Search BC



bc home > research > weston observatory >

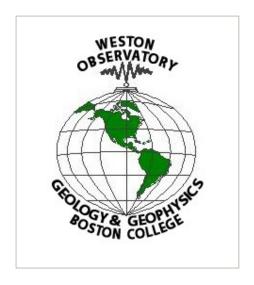
# A STUDY OF NEW ENGLAND SEISMICITY

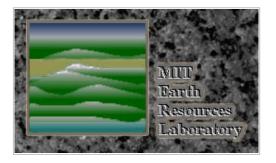
Quarterly Earthquake Report

July - September, 2002

NEW ENGLAND SEISMIC NETWORK







Weston Observatory 381 Concord Road Weston, MA 02493 Earth Resources Lab Massachusetts Institute of Technology 42 Carleton Street Cambridge, MA 02142 Dept. of Geology and Geophysics Boston College 381 Concord Road Weston, MA 02493 Email: ebel@bc.edu Award # 1434-HQ-98-AG-01943

Dept. of Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology 42 Carleton Street Cambridge, MA 02142 Email: toksoz@mit.edu Award # 1434-HQ-98-AG-01926

Prepared by Anastasia Macherides Moulis

Email: weston.observatory@bc.edu

January, 2003

for United States Geological Survey 905 National Center 12201 Sunrise Valley Drive Reston, Virginia 20192

#### **Notice**

Network operation supported by the U.S. Geological Survey (USGS), Department of the Interior, under USGS award number 1434-HQ-98-AG-01943 and award number 1434-HQ-98-AG-01926. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

> Quarterly Earthquake Report July - September, 2002

#### Table of Contents

- Introduction
- Current Network Operation and Status
- Seismicity
- **Data Management**
- **Tables** 
  - Explanation of Tables
  - Table 1 Project Personnel
  - Table 2 Seismic Stations
     Table 3 Earthquake Hypocenter List

  - Table 4 Earthquake Phase Data List
  - Table 5 Microearthquakes and Other Non-locatable Events
- Figures
  - NESN Station Map
  - **NESN Strong-Motion Station Map**
  - NESN Quarterly Seismicity Map
  - NESN Cumulative Seismicity Map
- Acknowledgments
- References

#### Introduction

The New England Seismic Network (NESN) is operated collaboratively by the Weston Observatory (WES) of Boston College and the Earth Resources Lab (ERL) of the Massachusetts Institute of Technology. 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 July - September, 2002. 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 6 earthquakes that occurred within or near the network during this reporting period. Phase information for these earthquakes is included in this report.

#### Return to Table of Contents

Current Network Operation and Status

The New England Seismic Network currently consists of 14 broadband three-component, 4 short-period vertical, and 8 strong-motion stations. The coordinates of the stations are given in Table 2, and maps of the weak- and strong-motion networks are shown in Figures 1 and 2, respectively.

WES now operates 13 stations with broadband instruments consisting of Guralp CMG-40T three-component sensors. Ground motions recorded by these sensors are digitized at 100 sps with 16-bit resolution. Additional gain-ranging provides 126 dB dynamic range. These stations are operated in dialup mode with waveform segments of suspected events transmitted in digital mode to Weston Observatory for analysis andarchiving. During the year 2001, two new seismic stations were added to the WES network. Station UMM was placed in northeastern Maine and station FFD was placed in central New Hamps hire. Station MIM, in central Mainewas dismantled. WES also maintains 8 SMA-1 strongmotion instruments in New England.

ERL at MIT currently operates 4 short-period stations, all located within 100 km of Boston. The short- period instruments have 1.0 Hz L4C vertical seismometers. Data recorded by these seismometers is transmitted continuously in analog mode to ERL and digitized (12-bit) into a PC at 50 sps. A data acquisition program on the PCtriggers on events detected in the short-period data streams and saves them toa disk for manual analysis. Station WFM also has a new three-component, highdynamic range instrument . The instrument has a CMG-40T sensor and transmits 3-channel, 24-bit data at 100 sps continuously to a central processor (Pentium PC) at ERL. Waveform windows of suspected events are extracted from the data stream, analyzed and archivedwith the short-period data. WES and ERL record some stations in analog format on helicorders to provide additional data for analysis.

#### Return to Table of Contents

#### Seismicity

There were 6 earthquakes that occurred in or adjacent to the NESN during this reporting period. A summary of the location data is given in Table 3. Figure 3 shows the locations of these events. Figure 4 shows the locations of all events since the beginning of network operation in October, 1975.

Table 4 gives the station phase data and detailed hypocenter data for each event listed in Table 3. In addition to NESN data, arrival time and magnitude data sometimes are contributed for seismic stations operated by the <u>Geological Survey of Canada (GSC)</u>, the <u>Lamont-Doherty Cooperative Seismographic Network.</u>, and the <u>US National Seismic Network.</u> 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.

#### Return to Table of Contents

#### Data Management

Recent event locations are available via FTP at: SEISMOEAGLE.BC.EDU. Waveform data are saved in Nanometrics, ASCII, and SEED formats and are available via SEISMOEAGLE.BC.EDU or through personal contact. Earthquake lists can be fingered at QUAKE@SEISMOEAGLE.BC.EDU. Weston Observatory maintains two web pages with information about local earthquakes: "http://www.bc.edu:80/bc\_org/avp/cas/wesobs/" and "http://seismoeagle.bc.edu/". The latter page is still under contruction. Currently available on the seismoeagle web page is the full catalog of northeastern U.S. earthquake activity to 1992. This will be updated as new Northeastern U.S. Seismic Network Bulletins are produced.

MIT/ERL provides two internet utilities, the MIT/ERL web-site("www-erl.mit.edu/NESN/homepage.html") and an anonymousFTP directory, to distribute seismic data. SESAME (Seismic Event Server atMIT/ERL) is the web data server that distributescatalogs, rep orts, earthquake bulletins, and epicenter and station maps(including an archive of recent seismic events). The FTP site,named "sunda.mit.edu", is the current facility available to download waveformdata recorded by the MIT NESN. The client machineIP number must be forwarded to us for the client to gain access to theanonymous FTP directory. After logging on, the user changesdirectories to "pub/seismic". Waveforms of individual events for the periodApril 1995 through the present are accessed asUnix-compres sed SAC files, through the anonymous FTP directory. A "readme"file offers further explanation about the data. Olderwaveform data in SAC format (1981 - March 1995) will be made available on theFTP site upon request.

For more information on matters discussed in this report or general earthquake information (reports, maps, catalogs, etc.) consult our web-sites <a href="https://www.erl.mit.edu/NESN">www-erl.mit.edu/NESN</a> and <a href="https://www.bc.edu:80/bc\_org/avp/cas/wesobs/">www.bc.edu:80/bc\_org/avp/cas/wesobs/</a> or contact:

Robert Cicerone MIT Earth Resources Lab 42 Carleton Street Cambridge, MA 02142

Voice: 617-253-7863 / FAX: 617-253-6385 / Email: cicerone@erl.mit.edu

Prof. John Ebel Weston Observatory 381 Concord Road Weston, MA 02493

Voice: 617-552-8319 / FAX: 617-552-8388 / Email: ebel@bc.edu

#### Return to Table of Contents

#### **Explanation of Tables**

Table 1: List of personnel operating the NESN

Table 2: List of Seismic and Strong Motion Stations

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

# Table 3: Earthquake Hypocenter List

- Date = date event occurred, Yr (year)/Mo (month)/Dy (day)
   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. Mag = event magnitude
- 7. Int = event epicentral intensity
- 8. Location = event geographic location

#### Table 4: Earthquake detailed hypocenter and phase data list

#### Table Header: detailed hypocenter data

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

```
WES: 2.23 Log(FMP) + 0.12Log(Dist) - 2.36 (Rosario, 1979)
MIT: 2.21 Log(FMP) - 1.7 (Chaplin et al., 1980)
```

9. ML = local magnitude

WES: calculated from Wood-Anderson seismograms (Ebel, 1982) GSC (Geological Survey of Canada): Richter Lg magnitude

- 10. GAP = largest azimuthal separation, in degrees, between stations
- 11. RMS = root mean square error of travel time residual in seconds
- 12. ERH = standard error of epicenter in kilometers
- 13. ERZ = standard error of event depth in kilometers
- 14. Q = solution quality of hypocenter

A = excellent

B = good C = fair D = poor

#### Table Body: earthquake phase data

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

I = impulsive E = emergent

5. R = phase

P = first P arrival S = first S arrival

6. M = first motion direction of phase arrival

U = up or compression D = down or dilatation

7. K = weight of arrival

0 = full weight (1.0)

1 = 0.75 weight

2 = 0.50 weight

3 = 0.25 weight

4 = no weight (0.0)

- 8. HRMN = hour and minute of phase arrival
- 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)

#### Return to Table of Contents

#### TABLE 1

#### WESTON OBSERVATORY PERSONNEL

Name	Network Position	voice phone	email address
John E. Ebel	Principal Investigator	617-552-8319	ebel@bc.edu
Alan Kafka	Research Seismologist	617-552-8300	kafka@bc.edu
Anastasia Macherides Moulis	Seismic Analyst	617-552-8325	weston.observatory@bc.edu
Edward Johnson	Project Engineer	617-552-8332	johnson@bc.edu
Patricia Tassia	Administrative Secretary	617-552-8311	tassia@bc.edu
W. Richard Ott, S.J.	Assistant to the Director	617-552-8335	ottwi@mail1.bc.edu
Weston Observatory		617-552-8300 617-552-8388 (FAX)	

## MIT/ERL PERSONNEL

Name	Network Position	voice phone	email address						
M. Nafi Toksöz	Principal Investigator	617-253-7852	toksoz@mit.edu						
Robert Cicerone	Research Seismologist	617-253-7863	cicerone@erl.mit.edu						
Heather Hooper	Seismic Analyst	617-253-6290							
Sara Brydges	Administrator	617-253-7797	sara@erl.mit.edu						
Earth Resources Lab		617-253-8027 617-253-6385 (FAX)							

TABLE 2

#### SEISMIC STATIONS OF THE NEW ENGLAND SEISMIC NETWORK

Code	Lat	Long	Elev (m)	Location	Operator
ВСХ	42.3350	-71.1705	61.0	Chestnut Hill, MA	WES
BRY	41.9178	-71.5388	380.0	Smithfield, RI	WES
DNH	43.1225	-70.8948	24.0	Durham, NH	MIT
DXB	42.0610	-70.6992	8.0	Duxbury, MA	MIT
FFD	43.4702	-71.6533	131.0	Franklin Falls Dam, NH	WES
GLO	42.6403	-70.7272	15.2	Gloucester, MA	MIT
HNH	43.7050	-72.2860	180.0	Hanover, NH	WES
NH1	43.5473	-71.5743	402.0	Sanbornton, NH	WES
QUA2	42.2789	-72.3525	168.0	Belchertown, MA	WES
TRY	42.7311	-73.6669	131.0 Troy, NY		WES
UMM	44.7100	-67.4583	35.0	35.0 Machias, ME	
VT1	44.3317	-7 2.7536	410.0	Waterbury, VT	WES
WES	42.3850	-71.3220	60.0	Weston, MA	WES
WFM	42.6106	-71.4906	87.5	Westford, MA	MIT
WVL	44.5648	-69.6575	85.0	85.0 Waterville, ME	
YLE	41.3100	-72.9269	914.0	New Haven, CT	WES
PQI	46.6710	-68.0168	175.0	Presque Isle, ME	WES

# STRONG MOTION STATIONS OF THE NEW ENGLAND SEISMIC NETWORK

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

## Return to Table of Contents

## TABLE 3

# EARTHQUAKE HYPOCENTER LIST NEW ENGLAND AND ADJACENT REGIONS

July - September, 2002

Date Yr/Mo/Dy	Time Hr:Mn:Sec	Lat	Long	Depth (km)	Mag	Int	Location
2002/07/11	21:53:43.37	40.3507	-70.7907	2.05	3.0		NY, 115 KM S OF MARTHA'S VINEYARD
2002/07/15	22:44:21.88	41.8737	-70.2183	4.97	2.5		MA, CAPE COD BAY, 15 KM N OF DENNIS
2002/07/23	02:09:02.05	49.3413	-66.7960	18.00	3.6		QUEBEC CANADA, 50 MI OF SEPT-ILES
2002/08/17	05:53:56.07	47.3182	-70.4935	22.61	3.3		QUEBEC CANADA, 10 KM S FROM BAIE-ST .PAUL
2002/08/22	18:58:38.62	41.8800	-72.5163	0.24	2.2		CT, 4 KM SE OF BROAD BROOK
2002/09/28	23:47:27.13	42.8593	-71.7248	2.71	2.6		NH, 1 MI NNE OF WILTON CENTER

<sup>\*</sup> indicates Mc rather than Mn.

# Return to Table of Contents

# TABLE 4

# EARTHQUAKE PHASE DATA LIST NEW ENGLAND AND ADJACENT REGIONS July - September, 2002

20715 2244 21.88 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 STN DIST AZM RHENN KENN SEC TOBS TCAL RES WY AMX PRX XMAG PRP PMA WES 107.5 302 P 0 2244 39.39 31.75 11.32 .19 1.68 WY AMX PRX XMAG PMP PMA WES 107.5 302 P 0 2244 39.39 31.75 11.32 .19 1.68 WY AMX PRX XMAG PMP PMA WES 109.7 273 EPCD 2244 39.69 31.60 31.72 31.44 .17 .84 HEV 131.1 302 P 1 2244 42.85 20.97 2.106 -1.12 .122 QUAZ 182.2 284 EPC2 2244 50.28 28.40 28.26 .11 .71 .80 .19 2.1 FPD 212.8 326 EPC0 2244 53.69 31.76 23.70 .00 .10 .13 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2244 53.69 31.89 31.04 .00 .1.32 180 .18 3.0 EPCD 2245 31.40 69.52 68.41 1.06 .00 EPCD 224 53.69 31.04 .00 .1.32 180 .18 3.0 EPCD 2245 31.40 69.52 68.41 1.06 .00 EPCD 224 53.69 31.04 .00 .1.32 180 .18 3.0 EPCD 2245 31.40 69.52 68.41 1.06 .00 EPCD 2245 31.04 EPCD 2245 31.04 81.05 EPCD 2245 31.04 EPCD 2245 31.00 EPCD 224									_						
DATE ORIGINAL PART NO SECTION OF DEPTH AND DATE ORIGINAL CONTROL OF THE ADM NO SECTION O	SOUT	HEAST	MAIN	E CRI	JSTAL	MODEL									
DATE ORIGIN LAT N LOWN U DEPTH NH MC NL GAP RNS ERH ERY Z0711 2133 43.77 -2.104 70.47 42 20.53 1.05 0.09 .48 25.2 29.7   REAL 209.4 101 PF 0 2154 15.35 31.98 31.94 .06 1.56   BCX 222.7 552 PEP1 2154 17.42 34.05 33.58 .44 1.10 90 .18 2.7   WES 230.2 349 P 2 2154 17.54 34 .05 33.58 .44 1.10 90 .18 2.7   WES 230.2 349 P 2 2154 17.54 34 .05 33.58 .44 1.10 90 .18 2.7   WES 230.2 539 PEP6 2154 17.54 34 .05 33.58 .44 1.10 90 .18 2.7   WES 230.2 539 PEP6 2154 17.54 34 .05 33.58 .44 1.10 90 .18 2.7   WES 230.2 539 PEP6 2154 17.54 34 .05 33.58 .44 1.10 90 .18 2.7   WES 230.2 539 PEP6 2154 17.54 34 .07   GVUAZ 250.9 329 PEP6 2154 17.54 34 .07   S 1 2154 72.35 88.98 88.99 .36 .67   HHH 392.7 742 PEP1 2154 77.33 53.99 34.51   SOUTHEAST MAINE CRUSTAL MODEL   SOUTHEAST MAINE CRUSTAL MODEL   OZIULIS NA. 15 KM N OF DENNIS, CAPE COD BAY DATE   GORIGIN LAT N LOWN DEPTH NM MC NL GAP RNS ERH ERY Z071 224 2148 81.52 22 20 .13 .08   HHZ 3011 2244 2148 81.52 22 20 .13 .08   BRY 109.7 278 BEP0 2244 39.59 01.08   HES 307.5 302 P P0 2244 39.59 01.08   HES 307.5 302 P P0 2244 39.59 01.08   S 2 2244 50.28 28.00 22.0   S 2 2244 50.28 28.00 22.0   HES 30.0   S 2 2244 50.28 28.00 22.0   S 2 2244 50.28 28.00 22.0   HES 30.0   S 2 2244 50.28 28.00 22.0   S 2 2244 50.28 28.00 22.0   HES 30.0   S 2 2244 50.28 28.00 28.00 28.00   S 2 2244 50.00 28.00 28.00 28.00   S 2 200 28.00 28.00 28.00 28.00 28.00   S 2 200 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.0							S VINEY	ARD							
2011 2153 43.37 40-21.04 70-47.44 2.05 3.0 .0 309 .48 29.2 29.7 STN DIST ADM RANK PARL YANG PHE PARL TLEADS.4 301 E2 0 2154 40.34 27.07 34.55 1.02 1.55									MN MC	. мі	GAI	•	RMS	ERH	ERZ Q
STEN DIST AIM REKE HERMS SEC TOBS TCAL RES WT AMY PRE XEMAG FMP FMA YELZ 200.4 201 EPP 0.1514 15.74 3.1.89 11.89 11.80 0.0 1.55	207	11 215	3 43	.37	10-21.										
Yet   209-4   301 pr 0   2154   15.35   31.98   31.94   .04   1.56															
BCT 222.7 552 EPP1 2154 17.42 34.00 53.58 42 1.10 90 .18 2.7  WES 230.2 349 P 2 2154 16.6 66.31.99 34.03 1.10 90 .18 2.7  WES 230.2 349 P 2 2154 16.6 66.31.99 34.03 1.00 0.00  QUAZ 230.9 329 PC42 2154 17.54 34.17 37.07 -2.93 .00 142 .25 3.0  QUAZ 230.9 129 PC42 2154 17.54 34.17 37.07 -2.93 .00 142 .25 3.0  FFD 353.8 348 S 2 2154 88.18 64.84 58.98 4.19 4.00 .00  HNH 392.7 342 EPP1 2154 77.35 88.99 88.59 4.19 4.00 .00  EPP1 353.8 348 S 2 2154 87.35 88.99 88.59 4.19 4.00 .00  EPP1 353.8 348 S 2 2154 87.35 88.99 88.59 4.19 4.00 .00  EPP1 353.8 348 S 2 2154 87.35 88.99 88.59 5.10 4.00 .00  EPP1 353.8 348 S 2 2154 87.35 88.99 88.59 5.10 6.67  HNH 392.7 342 EPP1 2154 37.33 58.96 1.06 .59 97.12 9.41 .00  EOUTUSEAST MAINE S 4 2154 89.96 106.59 97.12 9.41 .00  EOUTUSEAST MAINE S 4 2254 89.96 106.59 97.12 9.41 .00  EOUTUSEAST MAINE S 4 2254 89.96 106.59 97.12 9.41 .00  EOUTUSEAST MAINE S 4 2254 89.96 106.59 97.12 9.41 .00  EOUTUSEAST MAINE S 4 224 51.40 90.10 4.97 2.5 .00 299 .17 2.3 2.1  ENT DIST ASM MEK HARM SEC TOBS TCAL  BRY 131.13 20 5 2 2244 52.49 50.01 10.4 29.2 2.5 .0 299 .17 2.3 2.1  ENT 109.7 273 EPPC 2244 53.60 31.27 31.44 1.17 .0 1.71 91.16 2.3  ENT 109.7 273 EPPC 2244 53.60 31.27 31.44 1.17 .0 1.71 91.16 2.3  FFD 212.8 226 EPPC 2244 53.60 31.72 31.44 1.17 .0 1.71 91.16 2.3  FFD 212.8 326 EPPC 2244 53.60 31.99 32.04 -0.07 1.32 180 .18 3.0  HHR 264.6 320 EPP 2 2245 91.40 69.52 68.41 1.06 .00  ELECT 250.8 265 P 3 2245 11.40 69.52 68.41 1.06 .00  ELECT 250.8 265 P 3 2245 11.40 69.52 68.41 1.06 .00  EOUTUSE S 20 2.05 4.05 2.08 66.47 7.6 18.00 3.6 0.00  EPP1 201.3 10.6 197 EPPC 32 9.46 5.3 44.48 4.150 0.95 .46 806 .59 3.5  ENG 201.2 2.05 49.20 .08 66.77 6 18.00 3.6 0.00  EPP1 310.6 197 EPPC 32 9.46 5.3 44.48 4.150 0.95 .46 806 .59 3.5  ENT 201.2 29 2.05 49.20 .48 66.31 0.95 .20 .00 .14 1.37 .88 .20 .00  ENT 310.6 197 EPPC 32 9 4.05 .39 4.07 .97 .19 .10 .00  ENT 310.6 197 EPPC 32 9 4.05 .39 4.07 .97 .10 .10 .00  ENT 310.6 197 EPPC 32 9 4.05 .39 4.07 .10 .10 .10 .10 .10 .10 .10 .10 .10 .10															
BEX 222.7   352   EPD]   2154   31.4   20   33.58   .44   1.10   90   18   2.7															
WES 230.2 349 P2 2154 16.96 31.59 31.5193 .64  QUAZ 250.9 329 FP2 2154 16.96 31.59 31.5193 .64  QUAZ 250.9 329 FP2 4154 17.54 54.17 37.07 -2.93 .00  S 2 2154 48.21 64.84 68.98 -1.19 .46  FFD 353.8 348 EPC4 2154 37.71 54.34 49.77 .45 .65 .00 220 .17 3.6  HNH 392.7 34 51 1214 72.33 88.98 88.99 81.95 .36 .57  S 4 2158 89.96 106.59 97.12 9.41 .50 .59 .30 2.9  SOUTHEAST NAIME CRUSTAL MODEL  CAULIS MAN, 15 KK N OF DENNIS, CAPE COD BAY DATE ORIGIN LAT N LOUNG N DEFTH 25 ST DIST AGM RNK HRNM SEC TOBS 17.51 17.32 .19 1.62  ST DIST AGM RNK HRNM SEC TOBS 17.51 17.32 .19 1.68  BRY 109.7 273 BPC0 2244 39.96 17.52 17.32 .19 1.68  BRY 109.7 273 BPC0 2244 39.96 17.62 17.6610 1.74  BRY 131.1 302 P 1 2244 92.85 20.97 21.0610 1.74  FFD 212.8 326 BPC0 2244 50.88 28.40 28.6 0 .11 1.71  LECT 250.8 255 P 3 2244 58.27 36.39 36.7338 .20  LECT 250.8 255 P 3 2244 58.27 36.39 36.7338 .20  LENT 274 A 312 ER 4 2245 1.60 69.52 68.41 1.06 .00  LENT 277 A 312 ER 2245 6.62 83.74 38.30 3.28 .29  LENT 277 BPC 277 BPC 272 ER 5 BPC 276 BPC 277 BPC 27	BCX	222.7	352								9.0	. 1 8	2.7		
WES 230.2 349 P 2 2154 16.96 33.59 34.51 -93 .64	BCA	222.1	332								, 0		2.,		
QUAZ 250.9 339 EPC4 2154 17.54 8.81 65.44 61.43 4.00 .00  PD 353.8 348 52 2154 42.21 64.24 65.97 -1.39 .00 142 .25 3.0  FD 353.8 348 52 2154 42.21 64.24 65.97 -1.39 .00 142 .25 3.0  FD 353.8 348 52 2154 42.21 64.24 65.97 -1.39 .00 142 .25 3.0  NHM 392.7 342 EPD1 2154 37.33 53.96 54.56 -1.60 .27 1.36  NHM 392.7 342 EPD1 2154 37.33 53.96 54.56 -1.60 .27 9.10  NHM 392.7 342 EPD1 2154 37.33 53.96 54.56 -1.60 .27 9.10  DATE ORIGIN LAT N LONG W DEPTH 20715 2244 21.88 41-52.42 70-13.10  STW DIST ANK NK MR MR SEC COBS TCAL RES W ANK PAX XMAG FMP FMA WES 107.5 302 S 2 2244 52.49 30.61 30.83 -2.82 188  BRY 109.7 273 EPC6 2244 30.63 31.72 31.44 17 .84 2 188  RWW 131.1 30.0 S 2 2244 31.60 31.72 31.44 17 .84 2 188 2 1	WEC	220 2	240												
QUAZ 250.9 329 EPC4 2154 17.54 34.17 37.07 -2.93 .00 142 .25 3.0  FFD 353.8 348 EPC4 2154 48.7.54 68.84 65.98 -1.19 .45 5.0  FFD 353.8 348 EPC4 2154 37.71 58.34 45.76 65.98 -1.19 .46 50.00  FFD 353.8 348 EPC4 2154 37.71 58.34 45.76 65.98 -1.19 .46 50.00  S4 2154 89.96 106.59 97.12 94.1 .00  S0UTHEAST MAINE CRUSTAL MODEL  OLDERS MA. ORIGIN OF LATE MINISTORY COMPANY CONTROL OF LATE AND ALL TO SERVICE AND ALL TO	WES	230.2	349												
S 2 2154 48.21 64.84 65.98 -1.19 .46 FFD 353.8 348 EPC4 2154 37.71 54.34 49.71 4.55 .00 220 .17 3.6 HNH 392.7 442 125 125 125 125 125 125 125 125 125 12	0	250 0	220								1 4 2	2.5	2 0		
FFD 333.8 348 EPC4 2154 37.71 54.34 49.77 3.65 .00 220 .17 3.6	QUA2	250.9	329								142	. 25	3.0		
SI 12154 72.35 88.98 88.99															
ENH 392.7 342 EPD1 2154 37.33 53.96 54.9663 .92 59 .30 2.9  SOUTHEAST MAILE WAS TALL MODEL  SOUTHEAST MAILE WAS TALL MODEL  OATS OATS MAILE WAS TALL WAS T	FFD	353.8	348							.00	220	. 17	3.6		
S 4 2154 89.96 106.59 97.12 9.41 .00  SOUTHEAST MAINE CRUSTAL MODEL  COULDIS MA, 15 KM N OP DEWRIS .CAPE COD BAY  1006 N DEPTH									.36	.67					
S 4 2154 89.96 106.59 97.12 9.41 .00  SOUTHEAST MAINE CRUSTAL MODEL  COULDIS MA, 15 KM N OP DEWRIS .CAPE COD BAY  1006 N DEPTH	HNH	392.7	342	EPD1	1 2154	37.33	53.96	54.56		.52	59	.30	2.9		
SOUTHEAST MAINE CRUSTAL MODEL  OZJULIS MA, 15 KM NOF DENNIS, CAPE COD BAY  DATE  OARDICAN  OARDICAN  DATE  OARDICAN									9.41	.00					
DATE ORIGIN LAT N LONG W DEPT N MN MC NL GAP RMS ERR ERR 2015 2244 21.88 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 57 2.4 21.5 2.4 21.88 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 57 2.4 21.5 2.4 21.8 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 57 2.4 21.5 2.4 21.8 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 57 2.4 21.5 2.4 22.4 22.8 2.4 23.6 0 17.62 17.6 6 -1.0 1.71 91 .16 2.3 881 109.7 273 EPC 2244 32.6 0 17.62 17.6 6 -1.0 1.71 91 .16 2.3 881 109.7 273 EPC 2244 32.6 0 17.6 2 17.6 6 -1.0 1.71 91 .16 2.3 881 109.7 273 EPC 2244 32.8 5 20.97 2.10 6 -1.12 .22 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.	SOUTH	EAST M	ATNE												
DATE ORIGIN LATN LONG W DEPTH NN MC ML GAP RMS ERR ERR Z0715 2244 21.88 41.52.42 70.13.10 4.97 2.5 0.299 .17 2.3 21 STN D1ST AZM RMK HRNM SEC 7085 TCAL RES WT AMAX PRX XMAG FMP FMA WES 107.5 302 F 0 2244 39.50 17.62 17.62 -1.03 1.73 1.62 2.3 88X 109.7 273 EPC0 2244 39.50 17.62 17.62 -1.03 1.71 91 .16 2.3 8X 122 284 EPC2 2244 50.85 0.31.72 31.44 .17 .84 8X 111.1 302 F 1 2244 42.85 20.97 21.06 -1.12 1.22 1.22 1.22 1.22 1.22 1.22 1.2							CARE CO	D D N V							
20715 2244 21.88 41-52.42 70-13.10 4.97 2.5 .0 299 .17 2.3 2.1 STN DIST AZM RHENN KERN SEC TOBS TOLK RES NY AMX PRX XMAG PNP PMA WES 107.5 302 F 0 2244 39.39 17.51 17.32 .19 1.68 NY AMX PRX XMAG PNP PMA BRY 109.7 273 EPC 244 53.60 31.61 3.01 .19 1.68 2.3 REY 109.7 273 EPC 244 53.60 31.72 31.44 .17 .84 .17 .84 REY 131.1 302 P 1 2244 42.85 20.97 2.10612 1.22 QUAZ 182.2 284 EPC 2 2244 50.28 28.40 28.26 .11 .71 .80 .19 2.1 SEC 244 50.28 28.40 28.26 .11 .71 .80 .19 2.1 SEC 244 50.28 28.40 28.26 .11 .71 .80 .19 2.1 SEC 250.8 26 .60 .80 .10 .1.31 180 .18 3.0 SEC 250 .86 .10 .70 .11 .12 180 .18 3.0 SEC 250 .10 .10 .10 .10 .10 .10 .10 .10 .10 .1												_			
STN DIST AZM RNK HRNN SEC TOBS TCAL RES WE AMAY PRX XNAG FMP FMA WES 107.5 302 P 0 2244 39.39 17.51 17.32 .191.68 BRY 109.7 273 BPC0 2244 32.49 30.61 30.8323 .82 BRY 109.7 273 BPC0 2244 32.89 17.52 17.64 .17.19 1.16 2.3 RWN 131.1 302 P 1 2244 42.85 20.97 21.06 .12 1.22 RWN 131.1 302 P 1 2244 42.85 20.97 21.06 .12 1.22 RWN 131.1 302 P 1 2244 42.85 20.97 21.06 .12 1.22 S 4 2244 74.25 52.37 50.30 2.02 .00 FFD 212.8 326 BPC 2244 53.86 31.98 32.0407 1.32 180 .18 3.0 FFD 212.8 326 BPC 2244 53.86 31.98 32.0407 1.32 180 .18 3.0 LSGT 250.8 265 S 4 2244 80.55 58.11 57.03 1.65 .00 LBNH 264.6 320 RP 2 2245 31.40 69.52 68.41 1.06 .00 LBNH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00 NORTHWEST MAINE CRUSTAL STRUCTURE 02JULZ3 QUEREC CANADA, 50 NI OF SEPT-TLES DATE OXIGIN LAT N LONG W DEPPH N M MC NL GAP RNS ERH ERZ 25TN DIST AZM RNK HRNN SEC TOBS CROSS W WAX MAY EXX XNAG FMP FMA FM 517.3 186 EPC2 210 11.21 69.16 69.03 .13 .83 209.40 3.6 FM 52 215 EP 3 210 64.77 17.22.72 122.75 12.57 -1.45 1.00 FFD 751.9 210 EPC0 210 40.00 97.95 97.9906 .29 5208.27 4.3 HNH 755.1 214 EPC1 210 40.59 98.47 99.38 0.06 .20 84.59 3.4 LDRH 689.2 215 EP 3 210 30.57 88.52 99.23 -1.46 1.08 FM 50 75.1 214 EPC1 210 40.59 98.47 99.38 0.06 .20 84.59 3.4 LDR 689.2 215 EP 3 210 30.57 88.52 99.3906 .29 208.27 4.3 HNH 755.1 214 EPC1 210 40.59 98.47 99.38 0.06 .20 84.59 3.4 LDZ 791.4 228 EP 4 210 42.03 99.89 102.8 6.2.95 .00 NORTHWEST MAINE CRUSTAL STRUCTURE 02AUGT QUEBEC CANADA, 10 KM S PROM BAIE-ST.PAUL DATE SOLUTION LAT N LONG W DEPTH NS NG CALL RES NA LONG W LONG RAY A LONG W LONG RA															ERZ Q
NESS 107.5 302 P 0 2244 39.39 17.51 17.32															2.1 B
S2 2244 52.49 30.61 30.8323 .82  BRY 109.7 273 EPC 2244 35.50 17.62 17.6610 1.71 91 .16 2.3  HRV 131.1 302 P 1 2244 42.85 20.97 21.0612 1.22  QUAZ 182.2 284 EF2 2244 50.60 31.72 31.44 .17 .84  FFD 212.8 226 EPC 2244 53.85 22.47 20.0612 1.22  QUAZ 182.2 284 EF2 2244 50.83 82.47 20.20 .1.17 30 .19 2.1  FFD 212.8 326 EPC 2244 53.85 31.98 21.09 20.01 .10 .71 30 .19 2.1  S4 2244 80.59 58.71 57.03 1.65 .00 1.02 180 .18 3.0  LSCT 250.8 265 P 3 2244 58.27 36.39 36.7338 .20  HNH 264.6 320 EP 2 2245 .62 38.74 38.43 .28 .49  LBHN 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE OF A 20.48 66.47 7.6 18.00 3.6 .0 332 .29 **********************************											AMX	PRX	XMAG	FMP	FMAG
BRY 109.7 273 EPCO 2244 39.50 17.62 17.62 17.62 -1.0 1.71 91.16 2.3  S 2 2244 53.50 31.72 31.44 -17 84  HEV 131.1 302 P1 2244 42.85 20.97 21.06 -12 1.22  GUAZ 182.2 284 EPCZ 2244 50.82 28.40 28.26 11 .71 30 .19 2.1  FFD 212.8 326 SPG 2244 78.38 28.40 28.26 11 .71 30 .19 2.1  FFD 212.8 326 SPG 2244 58.27 36.39 32.00 2.00 71 .02 180 .18 3.0  LSCT 250.8 265 P 3 2244 58.27 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.27 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.27 36.29 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.28 27 38 58 76.24 28 .20  LSCT 250.8 265 P 3 224 58.28 27 38 58 76.24 28 .20  LSCT 250.8 265 P 3 224 58.28 28 28 28 28 28 28 28 28 28 28 28 28 2	WES	107.5	302	Р (	2244	39.39	17.51	17.32	.19 1	.68					
BRY 109.7 273 EPCO 2244 39.50 17.62 17.62 17.62 -1.0 1.71 91.16 2.3  S 2 2244 53.50 31.72 31.44 -17 84  HEV 131.1 302 P1 2244 42.85 20.97 21.06 -12 1.22  GUAZ 182.2 284 EPCZ 2244 50.82 28.40 28.26 11 .71 30 .19 2.1  FFD 212.8 326 SPG 2244 78.38 28.40 28.26 11 .71 30 .19 2.1  FFD 212.8 326 SPG 2244 58.27 36.39 32.00 2.00 71 .02 180 .18 3.0  LSCT 250.8 265 P 3 2244 58.27 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.27 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.27 36.29 36.39 36.73 -38 .20  LSCT 250.8 265 P 3 224 58.28 27 38 58 76.24 28 .20  LSCT 250.8 265 P 3 224 58.28 27 38 58 76.24 28 .20  LSCT 250.8 265 P 3 224 58.28 28 28 28 28 28 28 28 28 28 28 28 28 2				S 2	2 2 2 4 4	52.49	30.61	30.83	23	.82					
S 2 2244 53.60 31.72 31.44 .17 .84  HEV 131.1 302 P 1 2244 42.85 20.97 21.0612 1.22  QUAZ 182.2 284 EPC2 2244 50.28 28.40 28.26 .11 .71 30 .19 2.1  FFD 212.8 326 ER 4 2244 78.25 52.97 50.30 2.02 .00  FFD 212.8 326 ER 4 2244 80.59 58.71 50.30 2.02 .00  LSCT 250.8 265 P 3 2244 58.27 36.39 36.7318 2.00  HEW 264.6 320 EP 2 2245 .62 38.74 38.43 .28 .49  ES 4 2244 31.40 69.52 68.41 1.06 .00  LBMH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE CAUSTAL STRUCTURE  OZUJUZ3 QUEBBC CANADA, 50 MI OF SEPT-ILES  TOTAL STRUCTURE  OZUJUZ3 QUEBBC CANADA, 50 MI OF SEPT-ILES  STRUCT 29 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 *** ****  STRUCT 30 16 197 EPC3 29 46.53 44.48 43.50 .95 .46 506 .59 3.5  UMM 517.3 186 EPC2 210 11.21 65.16 65.03 .13 .85 209 .40 3.6  WVL 577.9 202 EB 2 10 10.21 65.16 65.03 .13 .85 209 .40 3.6  WVL 577.9 202 EB 1 210 66.77 122.72 122.68 716 1.28  LBH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00  FFD 751.9 210 EPC0 210 40.00 97.95 97.9906 .29 208 .27 4.3  HHW 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4  LOZ 791.4 228 EP 4 210 42.03 99.98 10.84 -29.5 00  BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CAUSTAL STRUCTURE  OZAUGUT QUEBBC CANADA, 10 KM F FROM BAIR-ST.PAUL  DATE ORIGIN LAT N. LONG W DEPTH MN NC ML GAP RMS ERH ERZ  200721 20 20 20 50 50 50 50 50 50 50 50 50 50 50 50 50	BRY	109.7	273	EPC	2244	39.50	17.62	17.66		.71	91	.16	2.3		
##NV 131.1 302 P1 2244 42.85 20.97 21.0612 1.22  QUAZ 182.2 84 EPC 2244 50.28 28.40 28.26 .11 .71 30 .19 2.1  S 4 2244 74.25 52.37 50.30 2.02 .00  FPD 212.8 326 EPC 2244 51.86 31.98 32.0407 1.32 180 .18 3.0  LSCT 250.8 265 S 4 2244 80.59 58.11 55.03 1.65 .00  LSCT 250.8 265 S 4 2244 80.59 58.11 55.03 1.65 .00  LSCT 250.8 265 S 4 2244 80.59 58.11 55.03 1.65 .00  LSCT 250.8 265 S 4 2244 80.59 58.11 55.03 1.65 .00  LSCT 250.8 265 S 4 2244 80.59 58.11 55.03 1.65 .00  ES 4 2245 31.40 69.52 68.41 1.06 .00  LBHH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  OATE ORIGIN LAT N LONG W DEPTH  DATE ORIGIN LAT N LONG W DEPTH  S 50 15T AZW RIKK HAMM C 50 TOOS TOOS TOOS TOOS TOOS TOOS TOOS TOO															
QUAZ 182.2 284 EPC2 2244 50.28 28.40 28.26 .11 .71 30 .19 2.1  S 4 2244 74.25 52.37 50.30 2.02 .00  FD 212.8 226 EPC0 2244 53.86 31.98 32.0407 1.32 180 .18 3.0  LSCT 250.8 26 5 P 3 2244 53.87 31.98 32.0407 1.32 180 .18 3.0  LSCT 250.8 26 F P 3 2244 53.27 36.39 36.7338 .20  RNH 264.6 570 EP 2 2245 31.4 36.54 1.96 .6 .00  LBH 297.4 332 EF 2.245 31.4 36.54 1.96 .49  LBH 297.4 332 EF 2.245 31.4 36.54 1.96 .49  LBH 297.4 332 EF 2.245 31.4 22.4823 .00  NORTHMEST MAINE CRUSTAL STRUCTURE  02JUL23 QUEBEC CANADA, 50 NI OF SEPT-ILES  DATE ORIGIN LAT N LONG W DEPTH NN MC ML GAP RMS ERH ERZ  207.3 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **********************************	HRV	131.1	302												
S 4 2244 74.25 52.37 50.30 2.02 .00	0117.2	102.2	201	FPC	2211	50 29	20.37	20 26			20	10	2 1		
FPD 212.8 326 EPCO 2244 53.86 31.98 32.0407 1.32 180 .18 3.0  S 4 2244 80.59 58.71 57.03 1.65 .00  LSCT 250.8 265 P 3 2244 58.27 36.39 36.7338 .20  HNH 264.6 320 EP 2 2245 .62 38.74 38.43 -28 .49  ES 4 2245 31.40 69.52 68.41 1.06 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02JUL23 QUEBEC CANADA, 50 MI 70 F SEPT-ILES  DATE OF A 1.00 F	QUAZ	102.2	204								30	. 19	2.1		
S 4 2244 80.59 58.71 57.03 1.65 .00															
LSCT 250.8 265 P 3 2244 58.27 36.39 36.7338 .20 HNH 264.6 320 EP 2 2245 51.40 69.52 68.41 1.06 .00 LBNH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00 HORPHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH NN MC ML GAP RMS ERR ERR 20723 29 30.08 LBNH RM RMM SEC 36.6 8.4 4.4823 .00  SGR DISTA 27 EPC3 29 46.53 44.48 43.50 .85 .00 332 .29 **********************************	FFD	212.8	326	EPC(	2244	53.86	31.98	32.04		.32	180	.18	3.0		
### 264.6 320 EP 2 2245				S 4	2244	80.59	58.71	57.03	1.65	.00					
ES 4 2245 31.40 69.52 68.41 1.06 .00  LBNH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **** ****  STN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA PQT 310.6 197 EPC 2 9 46.53 44.48 43.50 .95 .44 506.59 3.7 .  SN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA PQT 310.6 197 EPC 2 9 46.53 44.48 43.50 .95 .44 506.59 3.7 .  UMM 517.3 166 EPC 210 11.21 65.16 69.03 .13 .85 209 .40 3.6  NVL 577.9 202 EPO1 210 64.77 122.72 122.8916 1.28  NVL 577.9 202 EPO1 210 64.00 97.95 97.9906 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4  LOT 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCR 824.2 224 EP 3 210 66.63 104.58 106.91 -2.42 .00  HEV 844.9 206 P 4 210 64.63 104.58 106.91 -2.42 .00  HEV 844.9 206 P 4 210 54.27 112.22 109.75 2.41 .00  BINYIOSES 53 56.07 47-19.09 70-29.61 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGIT QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGIT QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC MC GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 122.61 3.3 3.6 120 .46 1.6 3.3  SYN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 45.95 49.88 49.64 .24 2.18  PQ1 201.7 111 EP 0 594 25.86 25.79 29.62 1.4 2.09  MVJ 316.5 168 P 2 554 31.86 69.94 2.92 .09 .21 1.2 1.59  GGQ 308.2 5 5 P 0 554 87.55 68.25 .99 29.62 1.4 2.09  MVJ 316.5 168 P 0 554 47.41 51.34 50.81 .55 1.04 38 .13 3.0 255 3.  SYN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA  S 0 554 85.55 85.48 50.95 49.88 49.64 .24 2.18  PQ1 201.7 111 EP 0 594 25.66 25.97 9.79 9.99 1.8 2.18  GGQ 308.2 5 5 P 0 554 87.85 68.91 5.11 .00 38 .13 3.0 255 3.  SYN DIST AZW RMS HAMM SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA  MNG	LSCT	250.8	265	Р 3	3 2244	58.27	36.39	36.73	38	.20					
ES 4 2245 31.40 69.52 68.41 1.06 .00  LBNH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **** ****  STN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA PQT 310.6 197 EPC 2 9 46.53 44.48 43.50 .95 .44 506.59 3.7 .  SN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA PQT 310.6 197 EPC 2 9 46.53 44.48 43.50 .95 .44 506.59 3.7 .  UMM 517.3 166 EPC 210 11.21 65.16 69.03 .13 .85 209 .40 3.6  NVL 577.9 202 EPO1 210 64.77 122.72 122.8916 1.28  NVL 577.9 202 EPO1 210 64.00 97.95 97.9906 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4  LOT 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCR 824.2 224 EP 3 210 66.63 104.58 106.91 -2.42 .00  HEV 844.9 206 P 4 210 64.63 104.58 106.91 -2.42 .00  HEV 844.9 206 P 4 210 54.27 112.22 109.75 2.41 .00  BINYIOSES 53 56.07 47-19.09 70-29.61 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGIT QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGIT QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC MC GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 122.61 3.3 3.6 120 .46 1.6 3.3  SYN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 45.95 49.88 49.64 .24 2.18  PQ1 201.7 111 EP 0 594 25.86 25.79 29.62 1.4 2.09  MVJ 316.5 168 P 2 554 31.86 69.94 2.92 .09 .21 1.2 1.59  GGQ 308.2 5 5 P 0 554 87.55 68.25 .99 29.62 1.4 2.09  MVJ 316.5 168 P 0 554 47.41 51.34 50.81 .55 1.04 38 .13 3.0 255 3.  SYN DIST AZW RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA  S 0 554 85.55 85.48 50.95 49.88 49.64 .24 2.18  PQ1 201.7 111 EP 0 594 25.66 25.97 9.79 9.99 1.8 2.18  GGQ 308.2 5 5 P 0 554 87.85 68.91 5.11 .00 38 .13 3.0 255 3.  SYN DIST AZW RMS HAMM SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA  MNG	HNH	264.6	320	EP 2	2 2245	.62	38.74	38.43	.28	.49					
LBHH 297.4 332 P 4 2244 64.19 42.31 42.4823 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  OZJUL23 QUEBEC CANADA, 50 NI OF SEPT-ILES  DATE ORIGIN LAT N LONG W DEPTH 20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 ****  STN DIST AZW RKH KRMN SEC TOBS TCAL RES WT AMX PRX YARS FAN PPF FAX PPT 310.6 197 EPC3 2 9 46.53 44.48 43.50 .95 .46 506 .59 3.5  UMM 517.3 166 EPC2 120 11.21 65.16 65.0 -0 .0 .13 .85 209 .40 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPH AND SECRET STRUCTURE  20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **** ****  STR DIST AZM RMK HRNN SEC TOBS TCAL RES WT ANX PRX XMAG FMP FMA SECRET STRUCTURE  10 2 9 79.51 77.46 77.4302 2.95	TRNU	207 4	222												
DATE ORIGIN LAT N LONG W DEPTH NN NC ML GAP RMS ERH ERZ 20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **********************************								42.48	23	.00					
DATE ORIGIN LAT N LONG W DEPTH NN MC ML GAP RMS ERH ERZ 20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **** **** STN DIST AZM RNK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA PQT 310.6 197 EPG 3 2 9 46.53 44.48 43.50 .95 .46 506.59 3.5 .    S 0 2 9 79.51 77.46 77.4302 2.95    S 1 210 64.77 122.72 122.8716 1.28    MVL 577.9 202 EPD 1 210 18.12 76.07 76.5044 .97 128 .58 3.3    LBNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00   FFD 751.9 210 EPC0 210 40.00 97.95 -1.78 .00   FFD 751.9 210 EPC0 210 40.52 98.7 98.38 .06 .20 84 .59 3.4   LDC 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00   HRN 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00   HRN 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00   HRN 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00   HRN 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00   HRN 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00   HRN 8575 50.07 47-19.09 76.96 1 22.61 3.3 3.6   SYN DIST AZM RNK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DDP 187.6 248 P 0 554 24.14 28.07 27.89 1.18 2.18   FQ 10 101.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09   MOQ 261.0 211 P 0 554 33.30 37.12 36.95 .14 1.73   GRQ 303.2 255 P 0 554 66.53 54.59 3.8 49.64 .24 22.18   FQ 12 201.7 111 EP 0 554 33.30 37.12 36.95 .14 1.73   GRQ 284.4 39 P 0 554 66.50 39.98 39.83 .12 1.59   MNU 373.3 141 P 0 554 33.30 37.12 36.95 .14 1.73   GRQ 284.4 39 P 0 554 66.50 39.98 39.83 .12 1.59   MNU 373.3 141 P 0 554 43.30 37.12 36.95 .14 1.73   GRQ 264.5 8 P 2 554 61.50 65.40 .30 65.7655 .85   GRQ 27 27 245 P 0 554 67.35 .00 65.40 .30 .32 1.59   MNU 373.3 141 P 0 554 35.86 9 42.62 42.7716 1.45 .00   MNU 373.3 141 P 0 554 37.80 .00 65.40 .00 .32 1.59 .00   MNU 373.3 141 P 0 554 47.41 51.34 50.81 .19 .00   MNU 373.3 141 P 0 554 47.41 51.34 50.81 .19 .00   MNU 373.3 141 P 0 554 47.41 51.34 50.81 .19 .00   MNU 373.3 141 P 0 554 55.60 .00 9 .00															
20723 2 9 2.05 49-20.48 66-47.76 18.00 3.6 .0 332 .29 **** *****************************	02JUL:	23 QUE	BEC	CANAI	DA, 50										
SIN DIST AZM RNK HRNN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMA	DAT														
PQI 310.6 197 EPC3 2 9 46.53 44.48 43.50 95 46 506 .59 3.5   S 0 2 9 79.51 77.46 77.4302 2.95   UNM 517.3 186 EPC2 210 11.21 69.16 69.03 13 85 209 .40 3.6   S 1 210 64.77 122.72 122.8716 1.28   WVL 577.9 202 EPD1 210 18.12 76.07 76.5044 97 128 .58 3.3   ENVL 577.9 202 EPD1 210 18.12 76.07 76.5044 97 128 .58 3.3   ENVL 577.9 202 EPD1 210 40.52 77 88.52 90.25 -1.78 00   FFD 751.9 210 EPC0 210 40.00 97.95 97.990 6 29 208 .27 4.3   HNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 00   FFD 751.9 210 EPC0 210 40.52 98.47 98.38 06 29 208 .27 4.3   HNH 755.1 214 EPC1 210 40.52 98.47 98.38 06 29 208 .27 4.3   HNH 755.1 214 EPC1 210 40.52 98.47 98.38 06 20 84 .59 3.4   LOZ 791.4 228 EP 4 210 46.63 104.58 106.91 -2.42 00   NCR 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 00   HRV 844.9 206 P 4 210 54.99 103.94 109.46 -5.55 00   ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 00   BINNIOSE.5 222 EP 3 210 77.65 135.60 137.07 -1.55 00   NORTHWEST MAINE CRUSTAL STRUCTURE   202AUG17 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL   DATE	207	232	92	.05 4	19-20.	48 66	-47.76	18.00	3.6 .0	)	332	2	.29 *	***	**** D
PQI 310.6 197 EPC3 2 9 46.53 44.48 43.50 95 46 506 .59 3.5   S 0 2 9 79.51 77.46 77.4302 2.95   UNM 517.3 186 EPC2 210 11.21 69.16 69.03 13 85 209 .40 3.6   S 1 210 64.77 122.72 122.8716 1.28   WVL 577.9 202 EPD1 210 18.12 76.07 76.5044 97 128 .58 3.3   ENVL 577.9 202 EPD1 210 18.12 76.07 76.5044 97 128 .58 3.3   ENVL 577.9 202 EPD1 210 40.52 77 88.52 90.25 -1.78 00   FFD 751.9 210 EPC0 210 40.00 97.95 97.990 6 29 208 .27 4.3   HNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 00   FFD 751.9 210 EPC0 210 40.52 98.47 98.38 06 29 208 .27 4.3   HNH 755.1 214 EPC1 210 40.52 98.47 98.38 06 29 208 .27 4.3   HNH 755.1 214 EPC1 210 40.52 98.47 98.38 06 20 84 .59 3.4   LOZ 791.4 228 EP 4 210 46.63 104.58 106.91 -2.42 00   NCR 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 00   HRV 844.9 206 P 4 210 54.99 103.94 109.46 -5.55 00   ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 00   BINNIOSE.5 222 EP 3 210 77.65 135.60 137.07 -1.55 00   NORTHWEST MAINE CRUSTAL STRUCTURE   202AUG17 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL   DATE	STN	DIST	AZM	RMI	K HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG
UMM 517.3 186 EPC2 210 10.1.21 69.16 69.03 .13 .85 209 .40 3.6  S1 210 64.77 122.72 122.87 .16 1.28  WVL 577.9 202 EPD1 210 18.12 76.07 76.5044 .97 128 .58 3.3  LBNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00  FFD 751.9 210 EPC0 210 40.00 97.95 97.9906 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4  LOZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00  HRV 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00  ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00  BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGI7 QUEBEC CANADA, 10 KM S FROM BAIR-ST.PAUL  DATE ORTGIN LATN LONG N DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 33 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRNN SEC TOBS TCLL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 1.82 .18 2.18 2.18 ADD MOQ 261.0 211 P 0 554 25.86 39.79 2.99 62 .14 2.08 PMQ 261.0 211 P 0 554 25.86 69.37 9.29 62 .14 2.08 PMQ 261.0 211 P 0 554 36.03 37.23 36.95 1.14 1.73 SQ 30.32 25 5 P 0 554 46.05 39.98 39.83 1.2 1.59 SQ 308.2 5 S 9 54 61.50 65.43 65.7658 .85 S S 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.35 71.28 70.90 .32 1.58 SQ 308.2 5 S 9 554 67.55 80.90 SQ 30 1.00 SQ 20 1.00 S															
UMM 517.3 186 EPC2 210 11.21 69.16 69.03 .13 .85 209 .40 3.6  S 1 210 64.77 12.72 122.87 -1.6 1.28  WVL 577.9 202 EPD1 210 18.12 76.07 76.50 -44 .97 128 .58 3.3  S 1 210 78.39 136.34 136.17 .15 1.00  LBNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00  FFD 751.9 210 EPC0 210 40.00 97.95 97.99 -0.6 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .29 208 .27 4.3  HNH 785.1 214 EPC1 210 45.99 103.94 109.46 -5.55 .00  NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00  HEV 844.9 206 P 4 210 54.97 103.94 109.46 -5.55 .00  ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00  BINN1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHMEST MAINE CRUSTAL STRUCTURE  COLAUGIT QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORTGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ  Z0817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA  DPQ 1876. 248 45.95 49.88 49.64 .24 2.18  PQI 201.7 111 EP 0 554 45.96 29.99 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 65.7658 .85  CNQ 284.4 39 P 0 554 46.56 53.99 83 9.83 3.12 1.59  GSQ 308.2 55 P 0 554 38.66 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  GRQ 313.2 249 P 0 554 47.45 51.34 50.87 39.98 39.83  GRA 313.3 249 P 0 554 47.45 51.34 50.87 39.98 39.83  MNQ 373.9 19 P 3 554 49.17 53.10 51.50 1.51 1.11  GRQ 415.8 259 P 2 554 58.56 29.9 29.6 50.5 1.4 1.73  SO 554 87.54 91.14 91.6736 1.03  GRQ 415.8 259 P 2 554 53.86 50.07 85.10 1.3054 .76  MSNY 274.5 210 P 3 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P 0 554 53.93 57.86 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  GRC 422.7 245 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WES 552.2 107 F 3 55 5 5.93 69.86 72.09 2.26 .00  HEV 541.3 189 P 2 554 66.96 69.89 71.55 -1.70 .01  CRL		310.0	-,,								500		3.3		
NVL 577.9 202 EPD1 210 18.12 76.07 76.5044 .97 128 .58 3.3	*****	F17 2	100								200	4.0	2 (		
WYL 577.9 202 EPD1 210 18.12 76.07 76.5044 .97 128 .58 3.3  S 1 210 78.39 136.34 136.17 .15 1.00  LBNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00  FFD 751.9 210 EPC0 210 40.00 97.95 97.9906 .29 208 .27 4.3  HNH 755.1 214 EPC1 210 40.05 98.47 98.38 .06 .20 84 .59 3.4  LDZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00  HRV 844.9 206 P 4 210 54.27 112.22 109.75 2.41 .00  BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUG17 QUEBEC CANADA, 10 KN S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  SIN DIST AZM RKK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  PQ1 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 36.95 .99.83 99.83 .12 1.59  GSQ 308.2 55 P 0 554 36.05 39.98 39.83 .12 1.59  S 0 554 41.38 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 44.13 84.51 45.86 .279 .16 1.45  S 3 554 68.13 73.06 76.13 -3.09 .00  WYL 316.5 168 P 2 554 48.16 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 45.16 40.90 3 49.15 -1.81 1.14  UMM 373.3 141 P 0 554 45.16 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  GRQ 415.8 259 P 2 554 55.93 85.84 81.91 -1.57 .17 .4  FM NQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 45.10 49.03 49.15 -1.81 1.14  UMM 373.3 141 P 0 554 45.10 53.93 57.86 57.13 .72 .71 .74  FM NQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 78.56 82.49 81.65 .05 .1.24 .31  S 0 554 85.55 93.35 57.86 57.13 .72 .71 .74  FM NG 422.7 245 P 0 554 53.93 57.86 57.13 .72 .71 .74  FM NG 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 .74  FM NG 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 .74  FM NG 474.41 51.94 P 0 554 45.95 9.98 9.91 .97 .75 .80  ORTH 455.0 242 P 0 554 53.93 57.86 57.13 .72 .71 .74  FM D 474.41 10 9 2 554 50.94 5	UMM	517.3	186		2 210	11.21	69.16	69.03	.13		209	. 40	3.0		
S   210 78.39 136.34 136.17															
LBNH 689.2 215 EP 3 210 30.57 88.52 90.25 -1.78 .00 FFD 751.9 210 EPC0 210 40.00 97.95 97.99 -06. 29 208 .27 4.3 HNH 755.1 214 EPC1 210 40.05 98.47 98.38 .06 .20 84 .59 3.4 LDZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00 NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00 HRV 844.9 206 P 4 210 54.27 112.22 109.46 -5.55 .00 ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00 NORTHWEST MAINE CRUSTAL STRUCTURE 02AUG17 QUEBEC CANADA, 10 KN S FROM BAIE-ST.PAUL DATE ORIGIN LATN LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-25.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18 PQ1 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 25.33.30 37.23 36.95 .14 1.73   S 2 554 61.50 65.43 36.55 99.88 39.83 .12 1.59   GSQ 308.2 55 P 0 554 36.05 39.98 39.83 .12 1.59  S 0 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 41.38 42.79 43.80 -10.2 63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 44.13 84.27 9 43.80 -10.2 63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.86 .55 1.29   LBNH 359.8 198 EP 0 554 45.16 49.03 49.15 .18 1.14   UMM 373.3 141 P 0 554 45.16 40.90 3 49.15 .18 1.14   UMM 373.3 141 P 0 554 45.16 59.98 39.81 .82 1.09 .00   GRQ 415.8 259 P 2 554 55.93 59.88 59.18 9.15 .11 .00 48.13 3.0 255 3.  GRQ 415.8 259 P 2 554 55.93 59.88 50.81 56.91 .11 .67 .68 .09 .14 3.1 252 3.  MNOQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 .11 .76 .50 .50 .50 .50 .50 .50 .50 .50 .50 .50	WVL	577.9	202	EPD1	1 210	18.12	76.07	76.50	44	.97	128	.58	3.3		
FFD 751.9 210 EPC0 210 40.00 97.95 97.99 -0.6 .29 208 .27 4.3 HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4 LOZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00 NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00 HRV 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00 ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00 NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  S 0 554 45.95 49.88 49.64 .24 21.8 PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 65.76 -5.8 .85 CNQ 284.4 39 P 0 554 67.35 71.28 70.90 .32 1.58 GSQ 308.2 55 P 0 554 48.89 42.62 42.7716 1.45 S 3 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29 S 0 554 45.10 49.03 49.15 -18 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31 SMQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 SMQ 426.5 41 P 0 554 53.86 57.19 .77 .76 1.76 MNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.26 57.19 57.7825 .74 FPD 437.2 192 ES 4 555 60.12 124.05 59.34 6.55 1.29 S 0 554 95.88 50.88 156.9111 .76 SMO 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMO 426.5 41 P 0 554 53.26 57.19 57.3825 .74 FPD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. MBO 450.1 235 P 0 554 58.88 62.71 63.00 .54 .76 MNN 424.5 233 P 0 554 58.88 62.71 63.00 .54 .76 MNN 424.5 233 P 0 554 55.85 69.89 71.39 .77 .75 58.0 GAC 422.7 245 P 0 554 53.66 67.19 57.3825 .74 S 0 554 98.81 100.78 101.3054 .76 MNO 450.1 235 P 0 554 53.86 69.89 71.30 .77 .71 SMQ 426.5 41 P 0 554 55.45 68.85 60.02 .51 .51 .10 .00 382 .17 4.1 0 3. MBO 450.1 235 P 0 5				<b>S</b> 1	1 210	78.39	136.34	136.17	.15 1	.00					
FFD 751.9 210 EPC0 210 40.00 97.95 97.99 -0.6 .29 208 .27 4.3 HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4 LOZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00 NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00 HRV 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00 ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00 NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  S 0 554 45.95 49.88 49.64 .24 21.8 PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 65.76 -5.8 .85 CNQ 284.4 39 P 0 554 67.35 71.28 70.90 .32 1.58 GSQ 308.2 55 P 0 554 48.89 42.62 42.7716 1.45 S 3 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29 S 0 554 45.10 49.03 49.15 -18 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31 SMQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 SMQ 426.5 41 P 0 554 53.86 57.19 .77 .76 1.76 MNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.26 57.19 57.7825 .74 FPD 437.2 192 ES 4 555 60.12 124.05 59.34 6.55 1.29 S 0 554 95.88 50.88 156.9111 .76 SMO 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMO 426.5 41 P 0 554 53.26 57.19 57.3825 .74 FPD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. MBO 450.1 235 P 0 554 58.88 62.71 63.00 .54 .76 MNN 424.5 233 P 0 554 58.88 62.71 63.00 .54 .76 MNN 424.5 233 P 0 554 55.85 69.89 71.39 .77 .75 58.0 GAC 422.7 245 P 0 554 53.66 67.19 57.3825 .74 S 0 554 98.81 100.78 101.3054 .76 MNO 450.1 235 P 0 554 53.86 69.89 71.30 .77 .71 SMQ 426.5 41 P 0 554 55.45 68.85 60.02 .51 .51 .10 .00 382 .17 4.1 0 3. MBO 450.1 235 P 0 5	T.BNH	689.2	215												
HNH 755.1 214 EPC1 210 40.52 98.47 98.38 .06 .20 84 .59 3.4  LOZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00  HXV 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00  ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00  BINI1068.5 222 EP 3 210 77.65 135.66 137.07 -1.55 .00  NORTHMEST MAINE CRUSTAL STRUCTURE  0ZAUG17 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LATN LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45  S 3 5354 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  MVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 47.13 73.06 76.13 -3.09 .00  TRQ 333.2 249 P 0 554 47.15 78.20 77.96 4.22 .00  MND 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  UMM 373.3 141 P 0 554 54 78.27 82.20 77.96 4.22 .00  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  SQ 426.5 41 P 0 554 54 59.58 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  SQ 554 95.49 5.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  SQ 54 554 95.85 95.38 56.81 56.91 .11 .76  MSNY 426.5 233 P 0 554 53.56 57.19 57.38 .25 .74  SQ 554 95.85 95.28 56.81 56.91 .11 .76  MSNY 426.5 23 P 0 554 55.55 55.26 1.55 60.09 .54 .55  NCB 472.4 218 EP 0 554 55.55 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WES 552.2 187 EP 4 555 14.08 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 60.71 172.97 51.10 .00  WES 552.2 187 EP 4 555 14.08 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 55.24 14.99.17 129.75 19.40 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.99 5.11 .00  SE 552.2 187 EP 4 555 1															
LOZ 791.4 228 EP 4 210 42.03 99.98 102.86 -2.95 .00  NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00  HRV 844.9 206 P 4 210 45.99 103.94 109.46 -5.55 .00  ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00  BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGI7 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 118 2.18  PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 65.76 -5.8 .85 CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 S 0 554 47.35 71.28 70.90 .32 1.58 S 0 554 47.35 82.49 42.62 42.77 -16 1.45 S 3 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 31.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.    TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29 S 0 554 47.35 78.56 82.49 81.63 .86 1.19 LBH 359.8 198 EP 0 554 47.14 51.34 50.81 .52 1.04 38 .13 3.0 255 3.    MNQ 378.9 19 P 3 554 49.17 73.10 51.50 1.51 .11 S 0 554 49.17 73.10 51.50 1.51 .11 S 0 54 49.03 49.15 -1.8 1.14    UMM 373.3 141 P 0 554 52.88 56.81 56.9111 .76 S 0 554 95.38 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.86 57.19 57.3825 .74 S 0 554 95.38 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.86 57.19 57.3825 .74 S 0 554 95.39 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.86 57.19 57.3825 .74 S 0 554 95.38 99.31 99.7755 .80 GAC 422.7 245 P 0 554 56.81 60.74 60.29 .4497 .49 S 0 554 95.38 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.66 57.19 57.3825 .74 S 0 554 95.59 52.51 124.05 58.70 65.33 .00 382 .17 4.1 0 3.    WBO 450.1 235 P 0 554 56.81 60.74 60.90 .44 .97 .49 S 0 554 56.81 60.74 60.90 .54 .55 S 0 554 95.59 60.25 124.05 60.90 .54 .55 S 0 60.00 S 0	תשש		210	FDCC							208	27	43		
NCB 824.2 224 EP 3 210 46.63 104.58 106.91 -2.42 .00 HRV 844.9 206 P 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00 NORTHWEST MAINE CRUSTAL STRUCTURE  0ZAUGI7 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DISTA ZAM RMK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 42.14 28.07 27.89 .18 2.18 POI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 65.7658 .85 CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 GSQ 308.2 55 P 0 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  MVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 337.3 141 P 0 554 47.15 1.34 45.8655 1.29  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 S 0 554 49.18 45.10 49.03 49.1518 1.14 UMM 373.3 141 P 0 554 49.17 53.10 51.50 1.51 .11 S 0 554 49.17 53.10 51.50 1.51 .11 S 0 554 49.18 50.93 51.50 1.50 1.51 .11 S 0 554 49.18 50.93 51.50 1.50 1.51 .11 S 0 554 95.88 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.26 67.19 57.3825 .74 S 0 554 96.85 100.78 100.3054 .76 MSNY 424.5 233 P 0 554 53.86 57.19 57.3825 .74 S 0 554 95.88 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.26 57.19 57.3825 .74 S 0 554 95.88 99.31 99.7755 .80 GAC 422.7 245 P 0 554 53.26 57.19 57.3825 .74 S 0 554 95.88 14 100.07 102.1317 .76 SNO 426.5 41 P 0 554 55.55 6.24 50.07 8101.3054 .76 MSNY 424.5 233 P 0 554 53.86 69.89 71.55 -0.10 .54 .76 MSNY 424.5 233 P 0 554 55.55 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 55.55 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 55.86 69.89 71.55 -1.70 .01 CRLO 545.6 625 P 3 555 60.27 15 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.97 51.10 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.97 51.10 .0					210	40.00	97.95	97.99	06	.29					
HEV 844.9 206 P 4 210 54.5.99 103.94 109.46 -5.55 .00  ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00  BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 45.95 49.88 49.64 .24 2.18 PQ1 201.7 111 EP 0 554 25.48 6 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 SCNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 SCNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 SCNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 SCNQ 284.4 39 P 0 554 45.95 49.13 73.06 76.13 -3.09 .00 SCNQ 285.55 P 0 554 45.86 42.79 43.80 -1.02 .63 69.14 3.1 252 3. SCNQ 289 P 0 554 45.86 42.79 43.80 -1.02 .63 69.14 3.1 252 3. SCNQ 289 P 0 554 45.86 42.79 43.80 -1.02 .63 69.14 3.1 252 3. SCNQ 289 P 0 554 45.86 42.79 43.80 -1.02 .63 69.14 3.1 252 3. SCNQ 289 P 0 554 45.86 42.79 43.80 -1.02 .63 69.14 3.1 252 3. SCNQ 289 P 0 554 45.10 49.03 49.15 -1.8 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3. SCNQ 378.9 19 P 3 554 45.10 49.03 49.15 -1.8 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3. SCNQ 280 280 280 280 280 280 280 280 280 280	HNH	755.1	214	EPC	210 1 210	40.00	97.95 98.47	97.99 98.38	06 .06	.29					
ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  0/2AUGI7 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 59.83 39.83 .12 1.59  GSQ 308.2 55 P 0 554 63.57 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.77 -1.6 1.45  S 3 554 69.13 73.06 76.13 -3.09 .00  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 41.38 45.31 45.8655 1.29  MNQ 378.9 19 P 3 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 53.86 99.17 53.10 51.50 1.51 .11  S 0 554 95.33 554 69.13 75.86 82.49 81.63 .86 1.19  LBNH 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -7.18 1.11  S 0 554 95.33 99.31 99.77 -5.55 .80  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -7.124 .31  S 0 554 95.33 99.31 79.66 67.13 -7.74  MNQ 378.9 19 P 3 554 54.91 53.10 51.50 1.51 .11  S 0 554 95.33 99.35 58.86 56.01 .50 1.51 .11  S 0 554 95.33 99.31 78.86 56.05 71.24 .31  S 0 554 95.33 99.31 78.86 56.05 71.24 .31  S 0 554 95.33 55.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  MSD 430-12 P 554 55.5 5.29 60.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 55.86 81 60.74 60.29 .44 .59  NCB 472.4 218 EP 0 554 55.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 60.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ	755.1 791.4	214 228	EPC1	210 1 210 1 210	40.00 40.52 42.03	97.95 98.47 99.98	97.99 98.38 102.86	06 .06 -2.95	.29					
ACCN 847.2 219 QP 4 210 54.27 112.22 109.75 2.41 .00 BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  0/2AUGI7 QUEBEC CANADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18  PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 59.83 39.83 .12 1.59  GSQ 308.2 55 P 0 554 63.57 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.77 -1.6 1.45  S 3 554 69.13 73.06 76.13 -3.09 .00  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 41.38 45.31 45.8655 1.29  MNQ 378.9 19 P 3 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 53.86 99.17 53.10 51.50 1.51 .11  S 0 554 95.33 554 69.13 75.86 82.49 81.63 .86 1.19  LBNH 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  GRQ 415.8 259 P 2 554 50.93 54.86 6.07.755 .80  GRQ 415.8 259 P 2 554 53.86 57.19 57.38 -2.25 .74  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 95.33 99.31 75.86 6.57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.38 -2.25 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 55.87 66.81 60.74 60.29 .44 .55  NCB 472.4 218 EP 0 554 55.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 46.08 78.01 72.99 -2.26 .00  EWES 552.2 187 EP 4 555 14.08 78.01 72.99 5.11 .00 58 .39 3.1	HNH LOZ	755.1 791.4	214 228	EPC1	210 1 210 1 210	40.00 40.52 42.03	97.95 98.47 99.98	97.99 98.38 102.86	06 .06 -2.95	.29 .20 .00					
BINY1068.5 222 EP 3 210 77.65 135.60 137.07 -1.55 .00  NORTHWEST MAINE CRUSTAL STRUCTURE  0/2AUGI7 QUEBEC CAMADA, 10 KM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3  STN DIST AZM RMK HRMN SEC TORS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 1.8 2.18  S 0 554 45.95 49.88 49.64 .24 2.18  PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09  MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 65.7658 .85  CNQ 284.4 39 P 0 554 36.50 39.98 39.83 .12 1.59  S 0 554 69.13 73.06 76.13 -3.09 .00  WUL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  S 1 554 78.57 82.20 77.96 4.22 .00  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  LBNH 359.8 198 EP 0 554 54.91 75 3.10 51.50 1.51 .11  S 2 554 85.4 89.17 53.10 51.50 1.51 .11  S 3 554 95.18 99.3 57.4 99.17 53.10 51.50 1.51 .11  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WES 552.2 187 EP 4 555 46.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB	755.1 791.4 824.2	214 228 224	EPC1 EP 4 EP 3	210 1 210 4 210 3 210	40.00 40.52 42.03 46.63	97.95 98.47 99.98 104.58	97.99 98.38 102.86 106.91	06 .06 -2.95 -2.42	.29 .20 .00					
NORTHWEST MAINE CRUSTAL STRUCTURE  02AUGI7 QUEBEC CANADA, 10 kM S FROM BAIE-ST.PAUL  DATE ORIGIN LAT N LONG W DEPTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 12 0.46 1.6 3.8 STN DIST AZM RMK HRNN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 45.95 49.88 49.64 .24 2.18	HNH LOZ NCB HRV	755.1 791.4 824.2 844.9	214 228 224 206	EPCI EP 4 EP 3	210 1 210 4 210 3 210 4 210	40.00 40.52 42.03 46.63 45.99	97.95 98.47 99.98 104.58	97.99 98.38 102.86 106.91 109.46	06 .06 -2.95 -2.42 -5.55	.29 .20 .00 .00					
O2AUG17 QUEBEC CANADA, 10 km s	HNH LOZ NCB HRV ACCN	755.1 791.4 824.2 844.9 847.2	214 228 224 206 219	EPCI EP 4 EP 3 P 4	2 10 1 2 10 4 2 10 3 2 10 4 2 10 4 2 10	40.00 40.52 42.03 46.63 45.99 54.27	97.95 98.47 99.98 104.58 103.94	97.99 98.38 102.86 106.91 109.46 109.75	06 .06 -2.95 -2.42 -5.55 2.41	.29 .20 .00 .00					
DATE ORIGIN LAT N LONG W DEFTH MN MC ML GAP RMS ERH ERZ 20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 45.19 59 49.88 49.64 .24 2.18 PQI 201.7 111 EP 0 554 433.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 6.95 .14 1.73 S 2 60.00 S 50 554 78.56 89.48 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	HNH LOZ NCB HRV ACCN BINY	755.1 791.4 824.2 844.9 847.2	214 228 224 206 219 222	EPCI EP 4 EP 3 QP 4 EP 3	2 10 1 2 10 4 2 10 3 2 10 4 2 10 4 2 10 3 2 10	40.00 40.52 42.03 46.63 45.99 54.27	97.95 98.47 99.98 104.58 103.94 112.22 135.60	97.99 98.38 102.86 106.91 109.46 109.75	06 .06 -2.95 -2.42 -5.55 2.41	.29 .20 .00 .00					
20817 553 56.07 47-19.09 70-29.61 22.61 3.3 3.6 120 .46 1.6 3.3 STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18	HNH LOZ NCB HRV ACCN BINY: NORTHI	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M	214 228 224 206 219 222 AINE	EPCI EP 4 EP 3 QP 4 EP 3	0 210 1 210 4 210 3 210 4 210 4 210 3 210 5TAL S	40.00 40.52 42.03 46.63 45.99 54.27 77.65	97.95 98.47 99.98 104.58 103.94 112.22 135.60	97.99 98.38 102.86 106.91 109.46 109.75 137.07	06 .06 -2.95 -2.42 -5.55 2.41 -1.55	.29 .20 .00 .00					
STN DIST AZM RMK HRMN SEC TOBS TCAL RES WT AMX PRX XMAG FMP FMA DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18   PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09   MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73   S 2 554 61.50 65.43 65.7658 .85   CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59   S 0 554 67.35 71.28 70.90 .32 1.58   GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45   S 3 554 69.13 73.06 76.13 -3.09 .00   WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.   TRQ 333.2 249 P 0 554 478.27 82.20 77.96 4.22 .00    WVL 355.8 198 EP 0 554 478.27 82.20 77.96 4.22 .00   S 0 554 78.56 82.49 81.63 .86 1.19   LBNH 359.8 198 EP 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.   MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 1.11   S 0 554 95.38 99.31 99.7755 .80   GRQ 415.8 259 P 2 554 53.88 56.81 56.9111 .76   MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74   MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74   MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74   FDD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.   WBO 426.5 41 P 0 554 57.52 61.45 60.90 .54 .55   NCB 472.4 218 EP 0 554 58.76 66.81 60.79 60.79 6.70 65.33 .00 382 .17 4.1 0 3.   WBO 545.6 255 P 3 555 58.76 66.81 60.74 60.29 .44 6.50   REN 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.70 69.80 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 58.40 68.80 78	HNH LOZ NCB HRV ACCN BINY: NORTH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M.	214 228 224 206 219 222 AINE BEC	EPC 1 EP 4 EP 3 QP 4 EP 3 CRUS	2 10 1 210 4 210 3 210 4 210 4 210 3 210 STAL S	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU	97.95 98.47 99.98 104.58 103.94 112.22 135.60 JRE FROM BA	97.99 98.38 102.86 106.91 109.46 109.75 137.07	06 .06 -2.95 -2.42 -5.55 2.41 -1.55	.29 .20 .00 .00 .00	84	.59	3.4		
DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18 PQI 201.7 111 EP 0 554 45.95 49.88 49.64 .24 2.18 PQI 201.7 111 EP 0 554 33.30 37.23 36.95 .14 2.09 M0Q 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 65.76 .58 .85 CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 S 0 554 67.35 71.28 70.90 .32 1.58 GSQ 308.2 55 P 0 554 38.69 42.62 42.77 .16 1.45 S 3 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3. S 4 554 78.27 82.20 77.96 4.22 .00 TRQ 333.2 249 P 0 554 41.38 45.31 45.86 .55 1.29 S 0 554 78.56 82.49 81.63 .86 1.19 LBNH 359.8 198 EP 0 554 45.10 49.03 49.15 -1.8 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3. S 2 554 85.55 89.48 90.44 .97 .49 MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31 S 0 554 95.38 99.31 99.7755 .80 GRQ 415.8 259 P 2 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.93 57.86 57.19 57.3825 .74 FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00	HNH LOZ NCB HRV ACCN BINY: NORTH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE	214 228 224 206 219 222 AINE BEC ORIG	EPC I EP 3 P 4 QP 4 EP 3 CRUS CANAI	2 10 1 210 2 10 3 210 4 210 4 210 3 210 STAL S DA, 10 LAT	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU	97.95 98.47 99.98 104.58 113.94 112.22 135.60 JRE FROM BA	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P.	06 .06 -2.95 -2.42 -5.55 2.41 -1.55	.29 .20 .00 .00 .00	84	.59	3.4	ERH	ERZ Q
DPQ 187.6 248 P 0 554 24.14 28.07 27.89 .18 2.18 PQI 201.7 111 EP 0 554 45.95 49.88 49.64 .24 2.18 PQI 201.7 111 EP 0 554 33.30 37.23 36.95 .14 2.09 M0Q 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73 S 2 554 61.50 65.43 65.76 .58 .85 CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59 S 0 554 67.35 71.28 70.90 .32 1.58 GSQ 308.2 55 P 0 554 38.69 42.62 42.77 .16 1.45 S 3 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3. S 4 554 78.27 82.20 77.96 4.22 .00 TRQ 333.2 249 P 0 554 41.38 45.31 45.86 .55 1.29 S 0 554 78.56 82.49 81.63 .86 1.19 LBNH 359.8 198 EP 0 554 45.10 49.03 49.15 -1.8 1.14 UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3. S 2 554 85.55 89.48 90.44 .97 .49 MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31 S 0 554 95.38 99.31 99.7755 .80 GRQ 415.8 259 P 2 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.93 57.86 57.19 57.3825 .74 FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59 OUT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00  WES 552.2 187 EP 4 555 14.08 78.01 77.29 9.226 .00	HNH LOZ NCB HRV ACCN BINY: NORTH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE	214 228 224 206 219 222 AINE BEC ORIG	EPC I EP 3 P 4 QP 4 EP 3 CRUS CANAI	2 10 1 210 2 10 3 210 4 210 4 210 3 210 STAL S DA, 10 LAT	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU	97.95 98.47 99.98 104.58 113.94 112.22 135.60 JRE FROM BA	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6	.29 .20 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
ROLL S 0 554 45.95 49.88 49.64 .24 2.18 PQI 201.7 111 EP 0 554 25.86 29.79 29.62 .14 2.09 MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73   ENGLY S 2 554 61.50 65.43 65.7658 .85   ENQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59   S 0 554 67.35 71.28 70.90 .32 1.58   GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45   S 3 554 69.13 73.06 76.13 -3.09 .00   WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.   ENGLY S 333.2 249 P 0 554 41.38 45.31 45.8655 1.29   S 0 554 78.56 82.49 81.63 .86 119   LBNH 359.8 198 EP 0 554 47.14 51.34 50.81 .52 1.04 38 .13 3.0 255 3.   MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11   S 0 554 87.54 91.47 91.6736 1.03   GRQ 415.8 259 P 2 554 50.93 54.86 56.55 -1.29   S 0 554 96.85 100.78 101.3054 .76   MSNY 424.5 233 P 0 554 49.17 53.10 51.50 1.51 .11   S 0 554 96.85 100.78 101.3054 .76   MSNY 424.5 233 P 0 554 49.17 53.10 51.50 1.51 .10   S 0 554 96.85 100.78 101.3054 .76   MSNY 424.5 233 P 0 554 53.89 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.89 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.89 57.86 57.19 57.3825 .74   S 0 554 98.14 102.07 102.1317 .74   FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.   WBO 450.1 235 P 0 554 58.76 66.81 60.74 60.29 .44 .59   OUTT 455.0 242 P 0 554 58.76 66.81 60.74 60.29 .44 .59   OUTT 455.0 242 P 0 554 58.78 62.71 63.0443 .46   ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00   HRV 541.3 189 P 2 554 60.48 64.41 66.81 -2.46 .00   HRV 541.3 189 P 2 554 60.48 64.41 66.81 -2.46 .00   HRV 541.3 189 P 3 555 60.75 126.68 128.31 -1.69 .00   WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH: 02AUG DAT: 208:	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E	214 228 224 206 219 222 AINE BEC ORIG 3 56	EPCI EP 4 EP 3 QP 4 EP 3 CRUS CANAI IN .07 4	210 1 210 4 210 3 210 4 210 4 210 3 210 5TAL S DA, 10 LAT 47-19.	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6	.29 .20 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 65.7658 .85  CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59  S 0 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45  S 3 554 69.13 73.06 76.13 -3.09 .00  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  S 4 554 78.27 82.20 77.96 4.22 .00  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 58.81 60.74 60.29 .44 .59  OUTT 455.0 242 P 0 554 58.88 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  WES 552.2 187 EP 4 555 1.40 8 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH: 02AUG DAT! 208: STN	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM	EPCI EP 4 EP 3 QP 4 EP 3 CRUS CANAI IN .07 4	210 1 210 4 210 3 210 4 210 4 210 3 210 5TAL S DA, 10 LAT 47-19.	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I 09 70	97.95 98.47 99.98 104.58 112.22 135.60 FE FROM BA ONG W 1-29.61	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6	.29 .20 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
MOQ 261.0 211 P 0 554 33.30 37.23 36.95 .14 1.73  S 2 554 61.50 65.43 65.7658 .85  CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59  S 0 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45  S 3 554 69.13 73.06 76.13 -3.09 .00  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  S 4 554 78.27 82.20 77.96 4.22 .00  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 58.81 60.74 60.29 .44 .59  OUTT 455.0 242 P 0 554 58.88 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  WES 552.2 187 EP 4 555 1.40 8 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH: 02AUG DAT! 208: STN	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM	EPC1 EP 4 EP 3 QP 4 EP 3 CRUS CANAI IN .07 4 RMI P (	210 1 210 1 210 3 210 4 210 4 210 3 210 5TAL S DA, 10 LAT 47-19. K HRMN	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU TRUCTU N I 09 70 24.14	97.95 98.47 99.98 104.58 103.94 112.22 135.60 FROM BA ONG W 1-29.61 TOBS	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .18 2	.29 .20 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
CNQ 284.4 39 P O 554 36.05 39.98 39.83 .12 1.59 S O 554 667.35 71.28 70.90 .32 1.58 GSQ 308.2 55 P O 554 38.69 42.62 42.7716 1.45 S O 554 69.13 73.06 76.13 -3.09 .00 WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  TRQ 333.2 249 P O 554 41.38 45.31 45.8655 1.29 S O 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP O 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P O 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 88.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 S O 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S O 554 96.85 100.78 101.3055 .80  GAC 422.7 245 P O 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P O 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P O 554 56.81 60.74 60.29 .44 .59  NCB 472.4 218 EP O 554 56.81 60.74 60.29 .44 .55  NCB 472.4 218 EP O 554 56.75 1.9 60.90 .54 .55  NCB 472.4 218 EP O 554 56.75 1.9 60.90 .54 .55  NCB 472.4 218 EP O 554 56.75 1.9 60.90 .54 .55  NCB 472.4 218 EP O 554 56.87 66.98 9 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY NORTH 02AUG DATI 2083 STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248	EPCI EP 4 EP 3 P 4 QP 4 EP 3 CRUS CANAI IN .07 4 RMF P ( S 0	210 1 210 1 210 3 210 4 210 4 210 3 210 5TAL S DA, 10 LAT 47-19. K HRMN	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU TRUCTU N I 09 70 24.14	97.95 98.47 99.98 104.58 103.94 112.22 135.60 FROM BA ONG W 1-29.61 TOBS	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .18 2	.29 .20 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
CNQ 284.4 39 P 0 554 36.05 39.98 39.83 .12 1.59  GSQ 308.2 55 P 0 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.77 -16 1.45  S 3 554 69.13 73.06 76.13 -3.09 .00  WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  S 4 554 78.27 82.20 77.96 4.22 .00  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  LBNH 359.8 198 EP 0 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMO 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMO 427.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 56.86 60.90 .54 .55  NCB 472.4 218 EP 0 554 56.87 66.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY NORTHI 02AUG DATI 2083 STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248	EPCI EP 4 EP 3 P 4 QP 4 EP 3 CRUS CANAI IN .07 4 RMF P ( EP (	210 210 210 210 3210 4210 3210 3210 3210 37AL S DA, 10 LAT 47-19. 47-19. 554	40.00 40.52 42.03 46.63 45.27 77.65 TRUCTU KM S N I 09 70 24.14 45.95 25.86	97.95 98.47 99.98 104.58 112.22 112.22 135.60 VRE FROM BA 	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .18 2 .24	.29 .20 .00 .00 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
S 0 554 67.35 71.28 70.90 .32 1.58  GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45	HNH LOZ NCB HRV ACCN BINY NORTHI 02AUG DATI 2083 STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248	EPC1 EP 4 EP 3 QP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( S ( EP ( C P (	D 210 1 210 3 210 4 210 4 210 3 210 5 210 5 210 5 210 5 210 6 210 7 210	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I 09 70 24.14 45.95 25.86 33.30	97.95 99.47 99.98 104.58 112.22 112.22 135.60 WRE FROM BA 10NG W 1-29.61 28.07 49.88 129.79 37.23	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P DEPTH 27.89 49.64 29.62 36.95	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .18 2 .24 2	.29 .20 .00 .00 .00 .00 .00 .18 .18 .18	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
GSQ 308.2 55 P 0 554 38.69 42.62 42.7716 1.45   8 3 554 69.13 73.06 76.13 -3.09 .00   WVL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.   8 4 554 78.27 82.20 77.96 4.22 .00   TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29   8 0 554 78.56 82.49 81.63 .86 1.19   LBNH 359.8 198 EP 0 554 45.10 49.03 49.1518 1.14   UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.   8 2 554 85.55 89.48 90.4497 .49   MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11   8 0 554 87.54 91.47 91.6736 1.03   GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31   8 0 554 95.38 99.31 99.7755 .80   GAC 422.7 245 P 0 554 53.93 54.86 56.05 -1.24 .31   8 0 554 96.85 100.78 101.30 .54 .76   MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71   SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71   SMQ 427.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.   WBO 450.1 235 P 0 554 58.78 62.71 63.0443 .46   ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00   HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01   CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00   S 2 555 62.75 126.68 128.31 -1.69 .00   WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH! 02AUG DAT: 208: STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248 111 211	EPC1 EP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( EP 0 S 2	210 1 210 4 210 4 210 4 210 3 210 5 3 210 5 5 4 10 5 5 4 6 10 7 5 5 4 7 5 5 4 7 5 5 4 7 5 5 4 7 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	40.00 40.52 42.03 45.99 54.27 77.65 TRUCTU KM S N I 09 70 24.14 45.95 25.86 33.30 61.50	97.95 98.47 99.98 104.58 104.58 112.22 135.60 FRE FROM BA 0-29.61 28.07 49.88 62.79 37.23 65.43	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76	06 -2.95 -2.42 -5.55 -2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .24 2 .14 2	.29 .20 .00 .00 .00 .00 .00 .00 .00 .18 .18 .18	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
WYL 316.5 168 P 2 554 49.13 73.06 76.13 -3.09 .00  WYL 316.5 168 P 2 554 38.86 42.79 43.80 -1.02 .63 69 .14 3.1 252 3.  S 4 554 78.27 82.20 77.96 4.22 .00  TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29  S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 45.10 49.03 49.15 -118 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 555 65.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH! 02AUG DAT: 208: STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248 111 211	EPC1 EP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( EP 0 S 2	2 10 1 210 3 210 4 210 4 210 5 5 1 210 5 5 1 2 10 6 1 2 10 7 1 2 1 10 7 1 2 1 10 7 1 2 10 7 1	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S S S C 24.14 45.95 25.86 33.30 61.50 36.05	97.95 98.47 99.98 104.58 103.94 112.22 135.60 JRE FROM BA 29.61 28.07 49.88 29.79 37.23 65.43	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 3.8 2 .14 2 .14 2 .14 1 58	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
WVL 316.5 168	HNH LOZ NCB HRV ACCN BINY: NORTH! 02AUG DAT: 208: STN DPQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248 111 211	EPC1 EP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( S ( EP 0 F ( CRUS CANAI F ( CRUS CANAI F ( CRUS F	2 10 1 210 3 210 4 210 4 210 5 5 1 210 5 5 1 2 10 6 1 2 10 7 1 2 1 10 7 1 2 1 10 7 1 2 10 7 1	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S S S C 24.14 45.95 25.86 33.30 61.50 36.05	97.95 98.47 99.98 104.58 103.94 112.22 135.60 JRE FROM BA 29.61 28.07 49.88 29.79 37.23 65.43	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 3.8 2 .14 2 .14 2 .14 1 58	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
WVL 316.5 168	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG DATI 208; STN DPQ PQI MOQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248 111 211	EPC 1 EP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( S ( EP ( S 2 EP ( S ( S ( S ( S ( S ( S ( S ( S ( S ( S	2 10 1 210 4 210 3 210 3 210 3 210 5 210 5 210 5 210 5 210 5 210 6 2	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I 09 7C 24.14 45.95 24.14 5.95 33.30 61.50 36.05 67.35	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 529.79 37.23 65.43 39.98 71.28	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .18 2 .24 2 .14 1 58 .12 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29 S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3. S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11 S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31 S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.93 57.86 57.13 .72 .71  SMO 426.5 41 P 0 554 53.88 66.71 102.07 102.13 .77 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  MES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG DATI 208; STN DPQ PQI MOQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0	214 228 224 206 219 222 AINE BEC ORIG 3 56 AZM 248 111 211	EPC 1 EP 4 EP 3 CRUS CANAI IN .07 4 RMI P ( S 0 EP 0 S 2 P 0 S 1	2 10 1 210 3 210 3 210 3 210 4 210 5 210 5 3 210 5 4 210 5 5 4 17 5 5 4 17 6 7 5 5 4 7 7 7 7 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I 24.14 45.95 25.86 36.05 61.50 36.05 63.86 93.86	97.95 98.47 99.98 104.58 103.94 1112.22 135.60 FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 471.28	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90 42.77	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .14 2 .14 2 .14 2 .14 2 .14 2 .14 2 .14 1 58	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 GAI 120	.59	3.4 RMS .46	1.6	3.3 C
TRQ 333.2 249 P 0 554 41.38 45.31 45.8655 1.29 S 0 554 78.56 82.49 81.63 .86 1.19 LBNH 359.8 198 EP 0 554 45.10 49.03 49.15 .18 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 555 65.93 69.86 72.09 -2.26 .00  HRV 541.3 189 P 2 555 65.93 69.86 72.09 -2.26 .00  KES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DATI 208: STN DPQ PQI MOQ CNQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4	214 228 224 206 219 218 BEC ORIG 3 56 AZM 248 111 211	EPC 1 EP 4 EP 3 P 4 EP 3 CRUS CANAI IN P ( S 7 EP 6 S 7 EP 7	2 10 2 10 4 210 3 210 4 210 3 210 3 210 5 14 210 6 16 210	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N 109 24.14 45.95 25.86 33.30 61.50 36.05 67.35 38.69	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA 29.61 TOBS 28.07 49.88 29.79 37.23 39.98 42.62 71.28	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90 42.77 76.13	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .14 2 .14 2 .14 2 .15 2 .16 1 .16 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4  RMS .46  XMAG	1.6 FMP	3.3 C FMAG
S 0 554 78.56 82.49 81.63 .86 1.19  LBNH 359.8 198 EP 0 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DATI 208: STN DPQ PQI MOQ CNQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4	214 228 224 206 219 218 BEC ORIG 3 56 AZM 248 111 211	EPC 1 EP 4 EP 3 QP 4 EP 3 CANAI IN .07 4 RMF P (2 EP (	2 10 2 10 4 210 4 210 4 210 4 210 5 210 5 3 210 5 3 210 5 5 4 7 - 19 . N 5 5 4 4 7 - 19 . N 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 4 4 0 5 5 5 5	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 23.33 61.50 36.05 38.69 67.35 38.69 69.13	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.66 71.28	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.65 36.95 65.76 39.83 70.90 42.77 76.13	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 .18 2 .14 1 58 .14 1 58 .12 1 .32 1 16 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4  RMS .46  XMAG	1.6 FMP	3.3 C FMAG
LBNH 359.8 198 EP 0 554 45.10 49.03 49.1518 1.14  UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 555 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2	214 228 224 206 219 222 AINE 3 56 3 AZM 248 111 211 39 55	EPC 1 EP 4 EP 3 QP 4 EP 3 CANAI IN .07 4 P () S () EP () S () P () S () S () S () S () S () S ()	2 10 2 10 4 210 8 55 4 210 8 55 4 210 8 55 4 210 6 55 6 4 210 8 55 8 6 55 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N 1 09 70 24.14 45.95 25.86 36.05 67.35 67.35 69.13 38.86 78.27	97.95 99.47 99.98 104.58 102.22 112.22 135.60 FROM BA -29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.62 73.06 42.79 82.20	97.99 97.99 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90 42.77 76.13 43.80 77.96	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .14 2 .14 2 .14 2 .14 2 .14 1 58 .12 1 58	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4  RMS .46  XMAG	1.6 FMP	3.3 C FMAG
UMM 373.3 141 P 0 554 47.41 51.34 50.81 .52 1.04 38 .13 3.0 255 3.  MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2	214 228 224 206 219 222 AINE 3 56 3 AZM 248 111 211 39 55	EPC 1 EP 4 EP 3 CRUS CANAI IN	2 10 2 10 4 210 3 210 3 210 3 210 3 210 5 7 4 210 5 7 4 210 5 7 4 210 5 7 4 210 5 7 5 4 4 2 2 2 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 5 5 5 4 4 2 2 2 2	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I I 09 70 24.14 45.95 25.86 33.30 61.50 67.35 38.86 99.13 38.86 741.38	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 37.23 37.23 37.23 42.79 42.79 42.79 42.79 42.79 42.79 42.79 42.79 42.79 42.79	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90 76.13 43.80 45.86	06 -2.95 -2.42 -5.55 -2.41 -1.55 AUL MN MC 3.3 3.6 8ES .14 2 .14 2 .14 2 .15 2 .12 1 58 .12 1 58 .12 1 58 .12 1 58 .12 1 58 .12 1 58 .12 1 58	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4  RMS .46  XMAG	1.6 FMP	3.3 C FMAG
S 2 554 85.55 89.48 90.4497 .49  MNQ 378.9 19 P 3 554 87.54 91.47 53.10 51.50 1.51 .11  S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 208: STN DPQ PQI MOQ CNQ GSQ WVL	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5	214 228 224 219 222 AINE ORIG 3 56 3 AZM 248 111 211 39 55	EPC 1 EP 4 EP 3 CP 4 EP 3 CANAI IN 7 4 FP 6 FP 6 FP 6 FP 7	2 10 2 10 4 210 4 210 4 210 5 210 6 21	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 25.86 61.50 36.05 38.69 67.35 38.89 41.38	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.73 37.23 65.43 39.98 71.28 42.62 73.66 42.79 82.20 82.49	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.64 29.65 39.83 70.90 42.77 76.13 43.80 77.96 45.86 45.86	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MG 3.3 3.6 RES .14 2 .14 1 58 .12 1 16 1 30 9 -1.02 30 9 -1.02 36 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4  RMS .46  XMAG	1.6 FMP	3.3 C FMAG
MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 555 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2	214 228 224 206 219 222 AINE BBEC ORIG 3 56 3 AZM 248 111 211 39 55 168 249	EPC 2 EP 4 EP 3 CRUS CANAI I 0 7 6 EP 6 EP 6 EP 7 EP 6	2 10 2 10 4 210 8 21	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 678.27 41.38 78.56	97.95 99.47 99.98 104.58 112.22 112.22 135.60 IRE TROM BA -29.61 28.07 49.88 29.79 37.23 65.43 39.98 42.62 71.28 42.62 73.06 42.79 82.20 42.79 82.20 45.31 45.31	97.99 97.99 102.86 106.91 109.45 137.07 IE-ST.P DEPTH 22.61 TCAL 29.62 49.64 29.62 65.76 39.83 70.99 42.77 76.13 43.80 77.96 45.86 81.63	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .14 2 .14 1 58 .12 1 58 .12 1 16 1 -3.09 -1.02 4.22 55 1 .86 1 .86 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
MNQ 378.9 19 P 3 554 49.17 53.10 51.50 1.51 .11  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 555 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2	214 228 224 206 219 222 AINE BBEC ORIG 3 56 3 AZM 248 111 211 39 55 168 249	EPC 2 EP 4 EP 3 CRUS CANAI I 0 7 6 EP 6 EP 6 EP 7 EP 6	2 10 2 10 4 210 8 21	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 678.27 41.38 78.56	97.95 99.47 99.98 104.58 112.22 112.22 135.60 IRE TROM BA -29.61 28.07 49.88 29.79 37.23 65.43 39.98 42.62 71.28 42.62 73.06 42.79 82.20 42.79 82.20 45.31 45.31	97.99 97.99 102.86 106.91 109.45 137.07 IE-ST.P. DEPTH 22.61 TCAL 29.62 49.64 29.62 65.76 39.83 70.93 42.77 76.13 43.80 77.96 45.86 81.63	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 RES .14 2 .14 2 .14 1 58 .12 1 58 .12 1 16 1 -3.09 -1.02 4.22 55 1 .86 1 .86 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
S 0 554 87.54 91.47 91.6736 1.03  GRQ 415.8 259 P 2 554 50.93 54.86 56.05 -1.24 .31  S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.26 57.19 57.3825 .74  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2	214 228 224 206 219 222 AINE BBEC ORIG 3 56 3 AZM 248 111 211 39 55 168 249	EPC 2 EP 4 EP 4 EP 4 CRUS CANAI I 0 7 RMI P 0 0 EP 0 0 S 1 2 EP 0 0	210 210 210 3 210 3 210 3 210 3 210 3 210 3 210 3 3 10 4 210 5 5 4 10 5 5 4 4 5 5 5 4 6 5 5 4 7 5 5 4 8 5 5 5 4 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	40.00 40.52 42.03 46.63 45.99 54.27 77.65 TRUCTU KM S N I 24.14 45.95 25.86 36.05 67.35 38.86 78.56 45.13	97.95 98.47 99.98 104.58 104.58 1112.22 135.60 FROM BA 0-29.61 28.07 49.88 29.79 36.28.07 49.88 42.80 73.06 49.88 42.62 49.79 30.79 30.79 49.88 42.80 71.28 49.88 42.80 73.06 42.79 82.20 45.31 82.40 82.40 82.40 82.40 83.40 84.40	97.99 97.99 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.76 39.83 70.90 76.13 43.80 45.86 81.63 49.15	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MC 3.3 3.6  RES .14 2 .14 2 .14 1 .58 .12 1 .32 1 -3.09 -1.02 4.2255 1 .86 118 1 .52 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
GRQ 415.8 259	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2	214 228 2206 219 2222 ABBEC ORIGG 3 56 248 2111 39 55 168 249	EPC1	2 10 2 10 4 210 4 210 4 210 4 210 5 21	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 23.30 61.50 36.05 38.69 67.35 38.69 47.13 48.47 41.38 47.41 47.41 45.55	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.73 37.23 65.43 39.98 71.28 42.62 73.66 42.79 82.20 820 820 820 820 820 820 820 820 820 8	97.99 98.38 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.65 39.83 70.90 42.77 76.13 43.80 77.96 45.63 49.15 50.81	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 .18 2 .14 1 58 .14 1 58 .12 1 .32 1 16 1 30 1 10 4 .2255 1 .31 1 18 1 18 1 18 1 18 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
S 0 554 95.38 99.31 99.7755 .80  GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76  S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2	214 228 2206 219 2222 ABBEC ORIGG 3 56 248 2111 39 55 168 249	EPC1 EP 4 EP 4 P 4 QP 4 CRUS CANAI .07 4 F 9 ( S 2 P 9 ( S 3 P 9 ( S 4 P 1 ( S 7 EP 1 (	2 10 2 10 4 210 8 210 8 210 8 210 8 210 8 210 8 210 8 210 8 210 8 32 17 -19 . 147 -19 . 147 -19 . 155 4 155 5 155 4 155 4 155 5 155 5 1	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 78.27 41.38 78.51 47.41 85.55	97.95 99.47 99.98 104.58 112.22 1135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 42.62 71.28 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.79 82.20 42.79 82.20 42.40 82.20 83.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 85.31 86.20	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P DEPTH 22.61 TCAL 29.62 49.64 29.62 65.76 39.83 70.96 42.77 76.13 43.80 77.96 45.86 45.86 49.15 50.81	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 RES .18 2 .14 2 .14 2 .14 2 .15 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .13 158 .14 258 .15 158 .17 158 .18 158 .18 15959595959595959	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
GAC 422.7 245 P 0 554 52.88 56.81 56.9111 .76 S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74 S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 56.81 60.74 60.29 .44 .59  OTS 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 373.3	214 228 2206 219 2192 2102 AINE 248 3 556 3 42M 248 111 211 39 55 168 249 198 141	EPC1	2100 4 2100 4 2100 8 2100	40.00 40.52 42.03 46.63 45.99 77.65 54.27 77.65 TRUCTU KM S N 09 70 24.14 45.95 25.86 36.05 67.35 38.86 78.56 47.41 85.55 49.17	97.95 98.47 99.98 104.58 103.94 1112.22 135.60 FROM BA ONG W -29.61 28.07 49.88 28.07 49.88 29.79 37.23 65.43 39.98 41.28 42.79 82.20 45.31 82.49 82.49 82.40 82.40 83.41 83.41 83.41 83.41 84.41 85.4	97.99 97.99 102.86 106.91 109.46 109.75 137.07 IE-ST.P. DEPTH 22.61 27.89 49.64 29.62 36.95 65.76 39.83 70.90 45.83 70.90 45.86 81.63 49.15 50.81 90.44 51.50	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MC 3.3 3.6  RES .14 2 .14 2 .14 2 .14 2 .14 2 .14 2 .14 2 .15 1 .16 1 .17 1 .18 1 .19 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
S 0 554 96.85 100.78 101.3054 .76  MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71  SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 373.3	214 228 2206 219 2192 2102 AINE 248 3 556 3 42M 248 111 211 39 55 168 249 198 141	EPCI	2 10 2 10 4 210 4 210 4 210 4 210 5 210 5 210 5 210 5 3 4 10 6	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS KM S N 70 24.14 45.95 25.86 61.05 67.35 38.69 67.35 38.86 45.10 47.41 87.55 49.17	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.62 73.66 42.79 82.20 42.62 42.79 82.20 42.62 42.79 82.30 83.30 84.30 85.30	97.99 98.38 102.86 106.91 109.46 109.75 137.07  IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 236.95 655.63 70.90 42.77 76.13 43.80 77.96 45.63 49.15 50.81 90.44 51.67	06 .06 -2.95 -2.42 -5.55 2.41 -1.55 AUL MN MC 3.3 3.6 .18 2 .14 1 58 .14 1 58 .14 1 58 .14 1 58 .14 1 16 1 16 1 16 1 16 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 19 1 	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMQ 426.5 41 P 0 554 58.14 102.07 102.1317 .74 SFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46 ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S2 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG: DAG: DAG: CNQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3	214 228 224 206 219 2122 AINE 3 56 3 AZM 248 111 211 39 55 168 249 198 141	EPC1 EP 4 EP 4 P 4 P 6 P 6 CRUS CANAI .07 4 F 7 S 1 F 9 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1	2 100 2 100 2 100 2 100 2 100 3 2 100 3 2 100 3 2 100 3 2 100 5 5 4 4 2 100 5 5 5 4 4 5 5 5 4 4 5 5 5 4 4 5 5 5 5 4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 45.10 47.41 85.55 78.56	97.95 998.47 99.98 104.58 112.22 1135.60 IRE FROM BA 109.61 28.07 14.08 29.79 37.23 36.65.43 39.98 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 820 820 820 820 820 820 820 820 820 8	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 565.76 37.96 42.77 76.13 43.80 77.96 45.86 49.15 50.81 90.44 51.50 91.67 56.05	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 RES .18 2 .14 2 .14 2 .15 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .13 116 130 9 -1.0255 136 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .00 .29 .14 .04 .04 .04 .04 .05 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
MSNY 424.5 233 P 0 554 53.93 57.86 57.13 .72 .71 SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74 SMQ 426.5 41 P 0 554 58.14 102.07 102.1317 .74 SFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46 ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S2 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG: DAG: DAG: CNQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3	214 228 224 206 219 2122 AINE 3 56 3 AZM 248 111 211 39 55 168 249 198 141	EPC1 EP 4 EP 4 P 4 P 6 P 6 CRUS CANAI .07 4 F 7 S 1 F 9 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1	2 100 2 100 2 100 2 100 2 100 3 2 100 3 2 100 3 2 100 3 2 100 5 5 4 4 2 100 5 5 5 4 4 5 5 5 4 4 5 5 5 4 4 5 5 5 5 4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 45.10 47.41 85.55 78.56	97.95 998.47 99.98 104.58 112.22 1135.60 IRE FROM BA 109.61 28.07 14.08 29.79 37.23 36.65.43 39.98 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 820 820 820 820 820 820 820 820 820 8	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 565.76 37.96 42.77 76.13 43.80 77.96 45.86 49.15 50.81 90.44 51.50 91.67 56.05	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 RES .18 2 .14 2 .14 2 .15 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .13 116 130 9 -1.0255 136 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .00 .29 .14 .04 .04 .04 .04 .05 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
SMQ 426.5 41 P 0 554 53.26 57.19 57.3825 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG: DAG: DAG: CNQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE E 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3	214 228 224 206 219 2122 AINE 3 56 3 AZM 248 111 211 39 55 168 249 198 141	EPC1	2 100 14 210 14 210 14 210 15 210 16 210 17 210 18 210	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 09 525.86 36.05 61.50 61.50 63.6.5 63.88 64.41 85.55 44.38 78.56 47.41 85.55 49.54 50.38	97.95 98.47 99.98 104.58 103.94 1112.22 135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 41.262 42.79 82.20 45.31 82.49 82.40 94.03 51.34 82.49 82.40 82.40 82.40 82.40 83.40 84.40 85.40 86.40 87.40 88.40 88.40 88.40 89.40 88.40 89.4	97.99 97.99 102.86 106.91 109.45 137.07 IE-ST.P. 22.61 27.89 49.64 29.65 36.76 39.83 70.90 45.86 81.63 43.80 45.86 81.63 50.81 90.44 91.67 56.77 56.97	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MC 3.3 3.6  R18 2 -14 2 -14 2 -14 2 -14 2 -14 2 -14 2 -15 1 -3.09 -1.02 -5.5 1 -3.6 1 -3.09 -1.02 -5.5 1 -3.6 1 -3.5 1 -1.5 1 -3.6 1 -1.24 -5.5 511	.29 .20 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .59 .59 .59 .63 .85 .00 .29 .19 .04 .49 .49 .11 .03 .31 .33 .33 .33 .33 .33 .33 .33 .33 .3	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
S 0 554 98.14 102.07 102.1317 .74  FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3.  WB0 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59  OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55  NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 4359.8 373.3 378.9 415.8	214 228 2206 219 AINE BEC 3 56 3 AZM 248 111 211 39 55 168 249 198 141 19 259	EPCI	2 100 2 100 2 100 2 100 2 100 2 100 3 2 100 3 2 100 3 2 100 3 2 10 5 5 4 4 5 5 4 4 5 5 5 4 4 5 5 5 4 4 5 5 5 4 6 5 5 5 4 6 5 5 5 5 5 6 6 7 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS NO9 700 24.14 45.95 23.30 61.50 67.35 38.69 67.35 38.86 78.27 41.38 45.10 47.41 85.55 49.17 87.54 50.93 95.38	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.79 82.20 42.79 82.20 42.79 82.20 42.79 82.20 42.79 82.20 42.79 82.20 42.79 82.20 42.79 82.20	97.99 98.38 102.86 106.91 109.46 109.75 137.07  IE-ST.P. DEPTH 22.61 27.89 49.64 236.95 65.76 39.83 70.90 42.77 746.13 80 77.96 45.63 49.15 50.81 90.44 51.50 91.67 99.71	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MC 3.3 3.6 -1.8 2 -1.4 158 -1.12 116 118 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
FFD 437.2 192 ES 4 555 60.12 124.05 58.70 65.33 .00 382 .17 4.1 0 3. WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46 ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8	214 2284 2066 2199 222 AINE BEC 3 566 3 AZM 248 211 211 39 55 168 249 198 141 19 259 245	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	2 100 14 210 14 210 14 210 14 210 14 210 15 210 16 210 17 10 17 10 18 210 18 210 1	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 45.10 47.41 85.55 49.17 87.54	97.95 998.47 99.98 104.58 104.58 112.22 1135.60 FROM BA 108.29.61 28.07 64.29.79 37.23 65.43 39.98 29.79 37.23 65.43 39.98 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 42.62 73.06 64.27 82.49 82.20 82.49 83.48 85.31 89.48 89.	97.99 98.38 102.86 106.91 109.46 109.75 137.07  IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 65.76 39.83 42.77 76.13 43.80 77.96 45.86 49.15 50.81 51.50 91.67 56.05 99.77 56.13	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 RES .14 2 .14 2 .14 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .12 158 .13 158 .13 158 .13 158 .13 158 .13 158 .13 158 .13 15959595959595959	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
WBO 450.1 235 P 0 554 56.81 60.74 60.29 .44 .59 OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46 ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DATI 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8	214 2284 2066 2199 222 AINE BEC 3 566 3 AZM 248 211 211 39 55 168 249 198 141 19 259 245	EPC1	2100 14 2100 14 21100 14 21100 15 2100 16 21100 17 1100 17 1100 17 1100 18 21100 18 2100 18	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU KM S N 70 24.14 45.95 25.86 36.05 67.35 67.35 38.86 78.56 47.41 85.55 48.56 47.41 85.55 87.54 50.38	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 41.62 42.62 43.79 82.49 82.49 82.49 82.49 83.10 49.88 41.62 42.62 43.31 45.31 45.31 45.31 45.31 45.31 45.31 45.31 45.31 45.31 45.31 46.33 47.33 48.34 49.88 49.88 49.93 49.88 40.97 40.88 40.97 40.88 40.97 40.88 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.97 40.98 40.98 40.98 40.99 40.	97.99 97.99 102.86 106.91 109.45 137.07 IE-ST.P. 22.61 TCAL 49.64 29.625 65.76 39.83 70.90 45.86 81.63 70.90 45.86 81.63 50.81 90.45 91.67 56.97	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MC 3.3 3.6  RES .14 2 .14 2 .14 2 .14 158 .12 158 .12 116 13016 13016 13016 1313131313131313	.29 .20 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .59 .59 .63 .00 .29 .19 .04 .49 .04 .49 .03 .31 .31 .76 .76 .76 .76	84 . GAI 120 AMX	.59	3.4 RMS .46 XMAG	1.6 FMP	3.3 C FMAG
OTT 455.0 242 P 0 554 57.52 61.45 60.90 .54 .55 NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46 ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTHI 208: STN DPQ PQI MOQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 415.8 422.7 424.5	214 228 2206 2199 AINE BEC 3 AZM 248 111 211 39 55 168 249 1941 19 259 245 245	EPCI	2 100 2 100 2 210 2 210 3 210 3 210 3 210 3 210 3 210 5 54 4 210 5 54 4 210 5 54 6 15 6	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 70 24.14 45.95 23.30 61.50 67.35 38.69 67.35 38.86 78.27 47.41 85.55 49.17 87.54 50.93 55.38 52.88 53.26	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.62 42.79 82.20 45.31 48.94 49.03 51.34 89.48 51.34 89.48 51.34 89.48 51.34 89.48 51.34 89.48 51.34 89.48	97.99 98.38 102.86 106.91 109.46 137.07  IE-ST.P. DEPTH 22.61 27.89 49.64 236.95 65.73 37.90 42.77 76.39.83 77.96 45.63 49.15 50.81 90.44 51.50 91.67 56.95 99.71 101.30 57.38 102.13	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 -1.24 -2.4 -1.4 158 -1.12 -1.6 116 118 118 118 118 119 7 1.5115 115	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1  S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DAG: DAG: DAG: CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5	214 2224 2066 2199 222 AINE BEC 3 AZM 248 111 211 39 55 168 249 198 141 19 259 245	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	2 100 14 210 14 210 15 210 16 210 17 210 18 210	40.00 40.52 42.03 46.63 45.99 77.65 TRUMTS N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 45.10 47.41 85.55 49.17 87.54 95.38 96.85 98.14	97.95 98.47 99.98 104.58 104.58 103.94 112.22 135.60 IRE 170BS 28.07 28.07 28.07 37.23 36.65.43 39.98 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.79 82.20 82.31 85.48 89.48 89.48 89.48 53.10 99.31 54.86 89.48 53.10 91.47 54.86	97.99 98.38 102.86 106.91 109.46 109.75 137.07  IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.83 77.96 45.86 49.15 50.81 50.81 51.50 91.67 599.77 56.91 101.30 57.38 102.13	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MG 3.3 3.6 -18 2 -14 2 -158 -12 158 -12 158 -12 158 -12 15816 15816 15816 1581758175818 15918 15918 15918 15918 15918 15918 155115511551155115511551155	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .55 .00 .29 .14 .04 .9 .11 .03 .31 .85 .77 .73 .85 .75 .75 .75 .75 .75 .75 .75 .75 .75 .7	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
NCB 472.4 218 EP 0 554 58.78 62.71 63.0443 .46  ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00  HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01  CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00  S 2 555 62.75 126.68 128.31 -1.69 .00  WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1  S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTHI 02AUG: DAG: DAG: DAG: CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5	214 2224 2066 2199 222 AINE BEC 3 AZM 248 111 211 39 55 168 249 198 141 19 259 245	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	2 100 14 210 14 210 15 210 16 210 17 210 18 210	40.00 40.52 42.03 46.63 45.99 77.65 TRUMTS N 70 24.14 45.95 25.86 36.05 67.35 38.69 69.13 38.86 45.10 47.41 85.55 49.17 87.54 95.38 96.85 98.14	97.95 98.47 99.98 104.58 104.58 103.94 112.22 135.60 IRE 170BS 28.07 28.07 28.07 37.23 36.65.43 39.98 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.62 42.79 82.20 82.31 85.48 89.48 89.48 89.48 53.10 99.31 54.86 89.48 53.10 91.47 54.86	97.99 98.38 102.86 106.91 109.46 109.75 137.07  IE-ST.P. DEPTH 22.61 TCAL 27.89 49.64 29.62 36.95 65.83 77.96 45.86 49.15 50.81 50.81 51.50 91.67 599.77 56.91 101.30 57.38 102.13	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MG 3.3 3.6 -18 2 -14 2 -158 -12 158 -12 158 -12 158 -12 15816 15816 15816 1581758175818 15918 15918 15918 15918 15918 15918 155115511551155115511551155	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .55 .00 .29 .14 .04 .9 .11 .03 .31 .85 .77 .73 .85 .75 .75 .75 .75 .75 .75 .75 .75 .75 .7	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
ACCN 502.9 210 EP 3 554 60.48 64.41 66.81 -2.46 .00 HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH O2AUG: DATH O2AUG: STN DPQ CNQ GSQ WVL TRQ LBNH MNQ GRQ GAC MSNY GAC	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 450.1	214 2284 2066 2129 AINE BEC 3 556 3 AZM 111 211 3 9 5 5 168 249 141 19 259 245 243 341 1925	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	21000014 211000 210014 2110000 21100000 2110000 2110000 2110000 2110000 2110000 2110000 2110000 211000000 211000000 211000000 211000000 2110000000 2110000000 21100000000	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTU N N O 24.14 45.95 25.38 61.50 669.13 36.05 67.35 38.86 69.13 67.35 52.88 96.85 53.36 53.36 69.36 69.38	97.95 98.47 99.98 104.58 103.94 112.22 135.60 IRE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 42.62 73.06 42.79 82.20 45.31 82.49 82.49 82.49 82.49 83.10 65.43 65.43 65.43 65.43 65.43 65.43 65.43 66.42 67.30 66.42 67.30 68.43 69.91 69.	97.99 97.99 102.86 106.91 109.45 137.07 IE-ST.P. 22.61 TCAL 27.64 29.62 65.76 39.83 70.96 45.86 81.63 77.96 45.86 81.63 50.81 90.44 91.67 56.97 56.91 101.30 57.38 102.13 58.70	06 -2.95 -2.42 -5.55 -1.55 AUL MN MC 3.3 3.6 -1.4 2 -1.4 2 -1.4 2 -1.4 2 -1.5 1 -1.5 1 -1.6 1 -3.09 -1.0255 116 1 -3.09 -1.0255 116 1197 158 1197 1597 136 1597 136 1597 136 1597 136 155511157225111574553114	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .11 .18 .18 .55 .59 .45 .00 .29 .19 .14 .03 .31 .76 .76 .76 .76 .77 .77 .77 .77 .77 .77	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
HRV 541.3 189 P 2 554 65.96 69.89 71.55 -1.70 .01 CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH OZAUG: STN DPQ PQI MOQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFD OTT	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 373.8 373.8 422.7 424.5 437.2 445.5	214 228 228 2206 219 24 1NE BEC 24 8 24 8 111 1 2 11 9 2 5 9 2 4 5 3 3 4 1 1 2 2 3 3 2 2 3 3 2 2 3 3 5 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	EPCI	2100 2100	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 70 24.14 45.95 23.30 61.50 67.35 38.69 63.30 61.55 49.17 87.54 45.10 47.41 85.55 49.17 87.54 50.93 53.26 60.12 56.81	97.95 99.47 99.98 104.58 112.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 65.43 39.98 71.28 42.62 42.79 82.20 45.31 82.49 49.03 89.48	97.99 98.38 102.86 106.91 109.46 137.07 IE-ST.P. DEPTH 22.61 L7.89 49.64 236.95 65.73 37.90 42.77 746.13 80.77.96 45.63 49.15 50.81 90.44 51.50 91.67 56.95 99.71 101.30 57.38 102.13 58.70 60.29	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MG 3.3 3.6 -182 -142 -142 -142 -158 -112 -161 -182 -161 -182 -155 -17 -366 -1.24 -555 -117 -366 -1.24 -556 -117 -54 -525 -117 -54 -54	.29 .20 .00 .00 .00 .00 .00 .00 .00 .11 .18 .18 .18 .73 .85 .59 .55 .59 .55 .45 .45 .45 .45 .45 .45 .45 .45 .45	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
CRLO 545.6 255 P 3 555 5.93 69.86 72.09 -2.26 .00 S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH OZAUG: DAT DE	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5	214 2224 2066 2129 2224 AINE 8ECC 3 AZM8 248 1111 2111 39 55 168 249 198 141 19 25 245 245 245 245 245 245 245 245 245	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	2100014 211001	40.00 40.52 42.03 46.63 45.99 77.65 77.65 TRUMT S N 7 70 24.14 45.95 25.86 61.50 667.35 38.69 67.35 38.69 69.13 36.05 645.10 47.41 85.55 49.17 87.54 95.38 52.88 95.38 53.88 53.88 55.38	97.95 98.47 99.98 104.58 104.58 103.94 112.22 135.60 IRE 108.07 108.28 109.61 28.07 108.28 109.61 28.07 108.39 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61 109.61	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. 22.61 TCAL 27.89 49.64 29.62 65.76 39.83 42.77 76.13 43.80 77.96 45.86 49.15 50.81 51.50 91.67 56.05 99.77 56.91 101.30 57.38 102.13 57.38	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 -18 2 -14 2 -158 -12 158 -12 158 -12 15816 15816 15816 158175818 1591025551155115511551155117 65.334443	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .63 .00 .29 .14 .49 .11 .80 .76 .71 .74 .79 .79 .79 .79 .79 .79 .79 .79 .79 .79	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
S 2 555 62.75 126.68 128.31 -1.69 .00 WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY: NORTH O2AUG: STN DPQ PQI MOQ GSQ WVL TRQ LBNH MNQ GRQ GAC MSNY SMQ FFD NCB ACCN	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 450.1 455.0 472.4 502.9	214 228 224 2066 219 222 AINE BEC 3 5 5 6 8 2 4 9 8 141 1 1 9 2 5 9 2 4 5 3 4 1 1 1 2 2 3 5 2 4 2 2 2 1 2 1 0	EPCI	21000014 2110000 2110000 2110000 2110000 2110000 2110000 2110000 2110000 21100000 211000000 21100000000	40.00 40.52 42.03 46.63 45.99 77.65 TRUCTS N 09 24.14 45.95 25.36 61.50 669.13 67.35 38.86 69.13 67.35 58.86 98.14 55.55 38.66 98.14 55.55 58.78 60.48	97.95 98.47 99.98.47 101.29 112.22 135.60 IRE PROM BA 108.29.61 28.07 49.88 29.79 37.28 65.43 39.98 42.62 73.06 42.79 82.20 42.62 73.06 42.79 82.20 45.41 45.41 45.41 46.41 47.47 48.48 49.88 41.28 42.62 42.79 49.88 41.28 42.62 43.31 45.41 45.41 46.41 47.47 48.48	97.99 97.99 98.386 106.91 109.465 137.07 IE-ST.P. 22.61 TCAL 49.64 29.625 65.76 39.83 42.77 76.13 43.80 77.96 45.86 81.63 50.44 90.44 91.67 56.97 56.97 56.97 56.91 101.30 57.38 102.13 58.70 60.29 60.90 63.04	06 -2.95 -2.42 -5.55 -1.55 -1.55 -1.55 -1.55 -1.61 -3.09 -1.62 -3.09 -1.62 -3.61 -3.09 -1.68 -	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .11 .18 .45 .59 .45 .00 .29 .19 .11 .03 .31 .76 .76 .76 .76 .76 .76 .76 .76 .77 .77	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
WES 552.2 187 EP 4 555 14.08 78.01 72.89 5.11 .00 58 .39 3.1 S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY. NORTH OZAUG. STN DPQ PQI MOQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFD OTT NCB ACCN HRV	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 445.5 437.2 4550.1 4572.4 502.9	2144 2284 22066 2192 AINE BEC 03 AZM8 1111 3 9 168 249 1141 19 259 245 245 247 248 249 259 245 241 2189	EPC	21000 14 2100 14 2100 15 2100 16 2100 17 1000 18 2100 18 21	40.00 40.52 42.03 46.63 45.99 77.65 TRUKT S N 70 24.14 45.95 33.30 61.50 67.35 38.69 63.38.69 45.10 47.41 85.55 49.17 87.54 85.55 38.69 60.12 56.88 53.26 60.12 56.88 53.26 60.12	97.95 98.47 99.84 104.58 104.58 103.94 112.22 135.60 IRE TOBS 28.07 49.88 29.79 37.23 63.98 71.28 42.62 42.79 82.20 45.31 82.49 45.38 51.34 89.48 89.48 89.48 51.34 89.48 51.34 89.48 51.34 61.45 61.45 62.71 64.41 69.89	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. DEPTH 22.61 L 27.89 49.64 236.95 65.76 39.83 70.90 42.77 74.80 451.50 91.60 99.71 101.30 57.38 102.13 58.70 60.290 63.04 61.55	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 -1.82 -1.4258 -1.12 -1.6118 -1.0255 -1.1216 -1.8158185517545517 65.33445517 65.33444343446 -1.70	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
S 4 555 85.24 149.17 129.75 19.40 .00	HNH LOZ NCB HRV ACCN BINY. NORTH OZAUG. STN DPQ PQI MOQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFD OTT NCB ACCN HRV	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 445.5 437.2 4550.1 4572.4 502.9	2144 2284 22066 2192 AINE BEC 03 AZM8 1111 3 9 168 249 1141 19 259 245 245 247 248 249 259 245 241 2189	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	21000 14 2100 2100	40.00 40.52 42.03 46.63 45.99 77.65 77.65 TRUMT S N 9 524.14 45.95 25.36 61.50 63.88 67.35 38.69 69.13 61.55 49.17 87.54 95.38 52.88 93.93 53.28 60.48 65.96	97.95 98.47 99.84 97.95 98.47 99.84 104.58 104.58 104.58 103.94 112.22 135.60 IRE 28.07 14.28 28.07 14.28 16.54 16	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. 22.61 TCAL 27.89 49.64 29.62 36.95 65.83 77.96 39.83 43.80 77.96 45.863 49.15 50.81 51.50 91.67 599.77 56.13 57.38 102.13 57.38	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL  MN MG 3.3 3.6 -1.4 2 -1.58 -1.14 158 -1.14 158 -1.16 118 116 130 9 -1.0255 118 131 136 131 1	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .18 .18 .09 .55 .59 .63 .00 .29 .14 .49 .11 .80 .76 .77 .74 .74 .74 .74 .74 .75 .75 .75 .75 .76 .77 .77 .77 .77 .77 .77 .77 .77 .77	84 . GAI 120 AMX	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFFD WBO OTT NCB ACCN HRV CRLO	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 450.1 4502.9 541.3 545.6	214 228 24 2069 219 24 111 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1	EPCI	210000 14 21000 14 21000 15 21000 16 21000 17 H 555444 17 H 5555444 17 H 5555444 18 5555444 19 5555444 10 555544 10 55554	40.00 40.52 446.63 446.63 45.99 77.65 TRUCTS N 09 24.14 45.95 25.86 61.50 61.50 636.05 638.69 38.87 41.38 785.10 47.41 85.57 87.54 50.38 52.88 96.85 53.26 98.14 65.96 62.75	97.95 98.47 99.847 99.847 101.22 112.22 135.60 IRE 108.08 109.61 109	97.99 97.99 98.386 106.91 109.465 137.07 IE-ST.P. 22.61 TCAL 29.695 65.76 39.83 42.77 76.13 43.80 42.77 76.18 91.67 50.84 190.45 91.67 50.81 91.67 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97 56.97	06 -2.95 -2.42 -5.55 -1.55 -1.55 -1.55 -1.55 -1.60 -1.60 -1.60 -1.60 -1.60 -1.60 -1.7258 -1.8158 -1.8158 -1.8158 -1.8159 -1.61 -1.24581859 -1.51561857	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFFD WBO OTT NCB ACCN HRV CRLO	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 450.1 4502.9 541.3 545.6	214 228 24 2069 219 24 111 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1	EPC	21000 21000 21000 21000 21000 21000 2110000 2110000 211000 211000 211000 211000 211000 211000 211000 21	40.00 40.52 42.03 46.63 45.99 77.65 47.65 TRUKT S N 70 24.14 45.95 33.30 61.50 67.35 38.69 38.86 78.27 41.38 49.17 85.55 49.17 85.55 53.26 65.96 55.93 65.96 65.96 65.96 65.96 65.96 65.96	97.95 99.47 99.84 104.58 1102.22 1135.60 URE FROM BA ONG W 1-29.61 28.07 49.88 29.79 37.23 39.98 42.62 42.79 82.20 45.31 82.49 42.62 42.79 82.20 45.31 82.49 49.88 51.34 89.48 51.34 89.48 51.34 89.48 65.43 89.48 65.43 89.48 65.43 89.48 65.43 89.48 65.49 96.40 89.61	97.99 98.38 102.86 106.91 109.45 137.07 IE-ST.P. DEPTH 22.61 L 27.89 49.64 236.95 65.76 39.83 70.90 42.77 74.80 451.50 91.60 99.71 101.30 57.38 102.13 58.70 60.29 63.81 72.89	06 -2.95 -2.42 -5.55 -2.41 -1.55 -1.55 -1.55 -1.55 -1.61 -1.61 -1.61 -1.62 -1.61 -	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
EEO 656.9 263 P 3 555 19.32 83.25 85.82 -2.64 .00	HNH LOZ NCB HRV ACCN BINY: NORTH 02AUG 208: STN DPQ PQI MOQ CNQ GSQ WVL TRQ LBNH UMM MNQ GRQ GAC MSNY SMQ FFFD WBO OTT NCB ACCN HRV CRLO	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 QUE 17 55 DIST 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 437.2 450.1 4502.9 541.3 545.6	214 228 24 2069 219 24 111 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1	EPC	21000 21000 21000 21000 21000 21000 2110000 2110000 211000 211000 211000 211000 211000 211000 211000 21	40.00 40.52 42.03 46.63 45.99 77.65 47.65 TRUKT S N 70 24.14 45.95 33.30 61.50 67.35 38.69 38.86 78.27 41.38 49.17 85.55 49.17 85.55 53.26 65.96 55.93 65.96 65.96 65.96 65.96 65.96 65.96	97.95 98.47 99.84 97.95 98.47 99.84 104.58 104.58 104.58 104.58 104.58 104.58 104.58 104.58 104.58 104.58 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.68 104.88 105.88 106.88 1	97.99 98.386 106.91 109.465 137.07 IE-ST.P. 22.61 TCAL 27.89 49.64 29.662 39.83 42.77 76.13 43.80 77.96 45.863 49.15 50.81 51.57 99.77 56.13 57.38 102.38 102.38 102.38 102.38 102.38 102.38	06 -2.95 -2.42 -5.55 -2.41 -1.55 -1.55 -1.55 -1.55 -1.61 -1.61 -1.61 -1.62 -1.61 -	.29 .20 .00 .00 .00 .00 .00 .00 .00 .11 .18 .09 .59 .59 .59 .19 .00 .29 .19 .04 .49 .11 .03 .31 .76 .74 .74 .00 .76 .76 .76 .76 .76 .76 .76 .76 .76 .76	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
	HNH LOZ NCB HRV ACCN BINY: NORTH OZAUG: DATE OZAUG: DA	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5 437.2 450.1 455.0 472.4 502.9 541.3 552.2	214 2224 2069 2129 242 211NE 8BCC 3 AZM8 1111 2111 3 9 5 5 6 8 2 4 9 1981 141 19 2 5 9 2 4 5 2 4 3 3 1 1 9 2 2 3 5 2 4 2 2 2 3 2 1 1 9 2 2 3 5 2 4 1 2 2 3 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 1 8 9 5 2 1 8 7	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6 EP 6 EP 6 EP 6 EP 6 EP 6 EP 7	21000014 2110000000000000000000000000000	40.00 40.052 440.03 46.63 45.99 77.65 77.65 78.00 80 80 80 80 80 80 80 80 80 80 80 80 8	97.95 98.47 99.84 97.95 98.47 99.84 104.58 104.58 104.58 103.94 112.22 135.60 IRE 28.07 149.88 129.96 149.88 129.97 142.62 143.06 142.62 143.06 144.62 154.86 154.86 154.86 154.86 154.86 155.13 165.88 165.4	97.99 98.386 106.91 109.465 137.07 IE-ST.P. 22.61 TCAL 27.89 49.64 29.662 39.83 42.77 76.13 43.80 77.96 45.863 49.15 50.81 51.57 99.77 56.13 57.38 102.38 102.38 102.38 102.38 102.38 102.38	06 -2.95 -2.42 -5.55 -2.41 -1.55  AUL MN MG 3.3 3.6 -1.42 -1.58 -1.1458 -1.1458 -1.1458 -1.1618161816181618161816181716181716181716181716181716181716181716181717171717171717	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
=	HNH LOZ NCB HRV ACCN BINY: NORTH OZAUG: DATE OZAUG: DA	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5 437.2 450.1 455.0 472.4 502.9 541.3 552.2	214 2224 2069 2129 242 211NE 8BCC 3 AZM8 1111 2111 3 9 5 5 6 8 2 4 9 1981 141 19 2 5 9 2 4 5 2 4 3 3 1 1 9 2 2 3 5 2 4 2 2 2 3 2 1 1 9 2 2 3 5 2 4 1 2 2 3 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 1 8 9 5 2 1 8 7	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	21000000000000000000000000000000000000	40.00 40.52 440.63 446.63 45.99 77.65 77.65 TRUMT S N 09 24.14 45.95 25.86 61.50 636.05 638.69 38.86 78.57 41.38 78.57 87.59 98.14 65.98 62.75 86.88 53.26 68.14 65.96 62.75 14.08	97.95 98.47 99.98.47 99.98.47 101.22 112.22 1135.60 IRE 108.09 109.61 128.07 149.88 129.79 165.43 173.06 165.43 173.06 142.79 182.20 185.43 19	97.99 98.38 106.91 109.46 109.75 137.07 IE-ST.P. 22.61 TCAAL 29.695 65.76 39.83 42.77 766.39.83 42.77 766.39.83 42.77 766.39.83 102.75 56.97	06 -2.95 -2.42 -5.55 -1.55 -1.55 -1.55 -1.55 -1.55 -1.61 -1.58 -1.4258 -1.62 -1.62 -1.62 -1.62 -1.55 -1.815718158 -1.181597 -1.24586 -1.70586 -1.515751575154555157515151525151525151525151525152515251525152535354	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 C FMAG
	HNH LOZ NCB HRV ACCN BINY: NORTH OZAUG: DATE OZAUG: DA	755.1 791.4 824.2 844.9 847.2 1068.5 WEST M 17 187.6 201.7 261.0 284.4 308.2 316.5 333.2 359.8 373.3 378.9 415.8 422.7 424.5 426.5 437.2 450.1 455.0 472.4 502.9 541.3 552.2	214 2224 2069 2129 242 211NE 8BCC 3 AZM8 1111 2111 3 9 5 5 6 8 2 4 9 1981 141 19 2 5 9 2 4 5 2 4 3 3 1 1 9 2 2 3 5 2 4 2 2 2 3 2 1 1 9 2 2 3 5 2 4 1 2 2 3 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 4 1 8 9 5 2 1 8 9 5 2 1 8 7	EPC1 EP 4 EP 4 EP 4 EP 4 EP 4 EP 4 EP 6	21000000000000000000000000000000000000	40.00 40.52 440.63 446.63 45.99 77.65 77.65 TRUMT S N 09 24.14 45.95 25.86 61.50 636.05 638.69 38.86 78.57 41.38 78.57 87.59 98.14 65.98 62.75 86.88 53.26 68.14 65.96 62.75 14.08	97.95 98.47 99.98.47 99.98.47 101.22 112.22 1135.60 IRE 108.09 109.61 128.07 149.88 129.79 165.43 173.06 165.43 173.06 142.79 182.20 185.43 19	97.99 98.38 106.91 109.46 109.75 137.07 IE-ST.P. 22.61 TCAAL 29.695 65.76 39.83 42.77 766.39.83 42.77 766.39.83 42.77 766.39.83 102.75 56.97	06 -2.95 -2.42 -5.55 -1.55 -1.55 -1.55 -1.55 -1.55 -1.61 -1.58 -1.4258 -1.62 -1.62 -1.62 -1.62 -1.55 -1.815718158 -1.181597 -1.24586 -1.70586 -1.515751575154555157515151525151525151525151525152515251525152535354	.29 .20 .00 .00 .00 .00 .00 .00 .00 .00 .00	84 . GAI 120 AMX 69 38	.59 PRX	3.4  RMS .46  XMAG	1.6 FMP 252 255	3.3 GFMAG

```
PAL 752.8 201
                       P 0 554 94.70 98.63 97.67
                                                                     .94
NORTHWEST MAINE CRUSTAL STRUCTURE
02AUG22 CT, 4KM SE OF BROAD BROOK
DATE ORIGIN LAT N LONG
                                                                        MC
                                                                              ML GAP
                                                                                            RMS
                                                                                                   ERH
                                                        DEPTH
                                                                   MN
                                                                                                          ERZ Q
                                                                    .1C
.0
RES
  20822 1858 38.62 41-52.80 72-30.98
STN DIST AZM RMK HRMN SEC TOBS
YLE 72.0 208 S 0 1858 60.16 21.54
                                                          .24
TCAL
                                                                             148 .33 2.3 3.2
WT AMX PRX XMAG FMP FMAG
                                                                  2.2
                                                         21.38
                                                                     .16 1.47
                 60 EPC0 1858 56.84
S 0 1858 72.18
                                                         18.62
                                                                    -.41 1.35
.40 1.35
  WES 113.6
                                               18.22
                                                                    -.41
                                                                                   36 .11
                                               33.56
   PAL 151.8 230 EP 2 1858 62.98
                                                         24.68
                                               24.36
                                                                                   99 .16 2.7
  FFD 190.3 22 EPE3 1859 14.65
                                               36.03
                                                         30.50
                                                                   5.51
                                                                            .00
 S 4 1859 40.94
LBNH 266.5 10 EP 3 1858 78.55
                                                         54.28
39.91
                                                                   8.00
                                                                            .00
                                               62.32
                                               39.93
                                                                    -.04
SOUTHEAST MAINE CRUSTAL MODEL
02SEP28 NH, 1 MI NNE OF WILTON CENTER
DATE ORIGIN LAT N LONG W
                                                                             ML GAP
                                                        DEPTH
                                                                   MN MC
                                                                                            RMS
                                                                                                   ERH
                                                                                                          ERZ Q
  20928 2347 27.13 42-51.56 71
STN DIST AZM RMK HRMN SEC
HRV 41.5 161 EP 0 2347 34.08
                                                                  2.6 2.8
RES
                                       71-43.49
SEC TOB
                                                         2.71
TCAL
                                                                            119 .40 2.4 3.9 WT AMX PRX XMAG FMP FMAG
                                                TOBS
                                                 6.95
                                                           6.93
                                                                    -.01 1.38
         62.2 148 EPC0 2347 37.52
ES 3 2347 44.35
                                               10.39
                                                         10.22
                                                                     .16 1.32
                                                                                   77 .06
                                                                                             2.0 154
                                                                                                           2.8
                                               17.22
                                                         18.19
                                                                    -.99
                                                                           .33
         68.1
                    5 IPC0 2347 38.60
                                                                     .30 1.31
                                                                                  885 .16
                                                                                              3.0 142
  FFD
         ES 0 2347 46.62
73.9 142 EP 4 2347 43.14
                                               19.49
                                                         19.86
                                                                   -.40 1.31
3.91 .00
                                               16.01
                                                         12.07
                                                                                   74 .14
  BCX
                                                                           .00
                                                                                              2.0 148
                             2347 51.17
                                               24.04
                                                         21.49
                                                                   2.50
                                                                            .00
  HNH 104.4 334 EP 0 2347 44.42
                                               17.29
                                                         16.92
                                                                     .34 1.21
                                                                                  280 .24
                                                                                              2.7 145
                                                                                                           2.8
                             2347 56.38
2347 44.47
                                               29.25
17.34
                                                                    -.92
.16
                                                                          .91
1.21
                       ES
                                                         30.12
   BRY 105.7 172 EP
                                                         17.12
                                                                                   99 .12
                                                                                              2.4
 S 0 2347 57.53
LBNH 154.3 354 EP 0 2347 52.26
ACCN 168.6 290 EP 2 2347 54.74
                                               30.40
                                                         30.47
                                                                    -.18 1.21
                                                                    .24 1.07
.72 .52
                                               25.13
27.61
                                                         24.83
                                                         26.83
   WVL 249.0
                  42
                      EP 4 2348 8.17
ES 0 2348 32.75
                                               41.04
                                                         36.75
                                                                    4.28
                                                                            .00
                                                                                   64 .26
                                                                                              2.6
                                               65.62
55.21
                                                                    .19
                                                         65.42
                                                                            .82
                  59 EP 0 2348 22.34
  UMM 400.2
                                                                            .41
                                                                                              2.8 136
                                                                                                           3.0
                          4 2348 76.98 109.85
                                                         98.66
  POI 515.3
                 35
                                                                                                              . 0
```

TABLE 5

#### MICROEARTHQUAKES AND OTHER NON-LOCATABLE EVENTS

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

Return to Table of Contents

**NESN Station Map** 

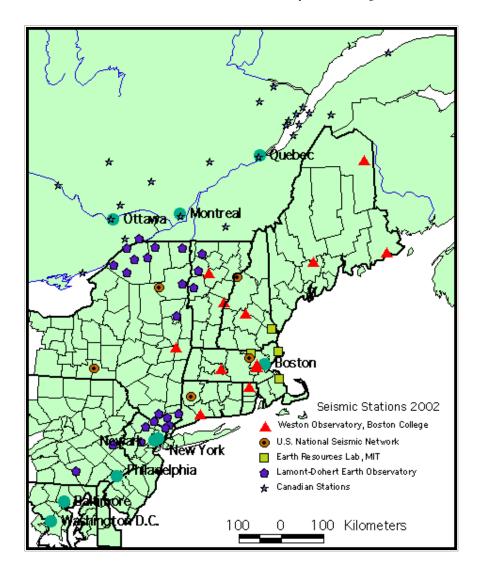


Figure 1: Map of stations of the New England Seismic Network (NESN) in operation during period July - September, 2002.

Also included are the US National Seismic Network stations operating in New England during this period.

Return to Table of Contents

NESN Strong-Motion Station Map

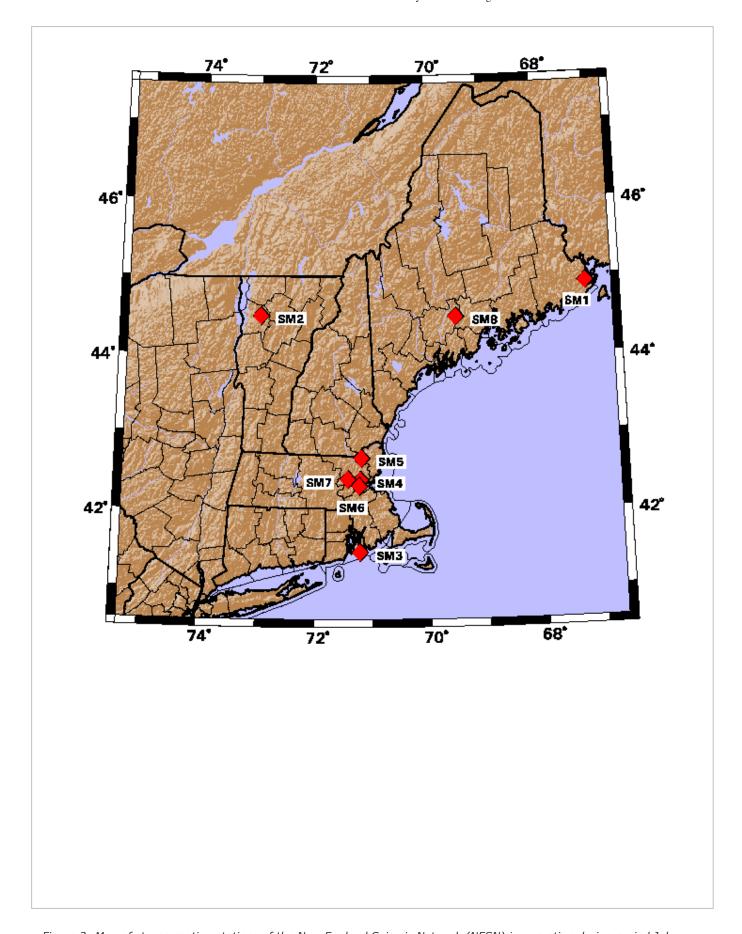


Figure 2: Map of strong-motion stations of the New England Seismic Network (NESN) in operation during period July - September, 2002.

# NESN Quarterly Seismicity Map

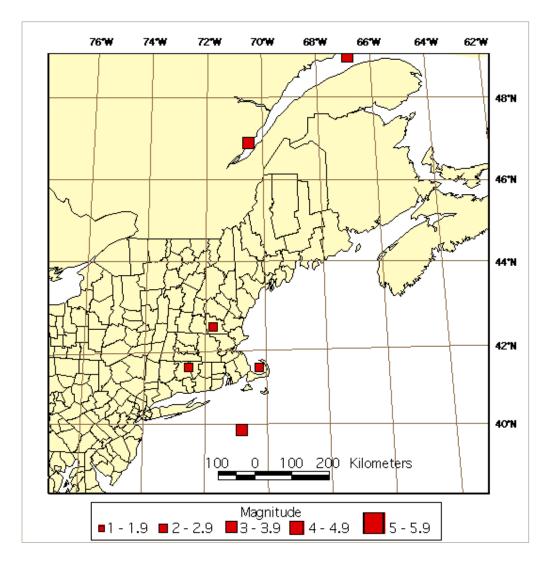


Figure 3: Earthquake epicenters located by the NESN during period July - September, 2002.

Return to Table of Contents

NESN Cumulative Seismicity Map

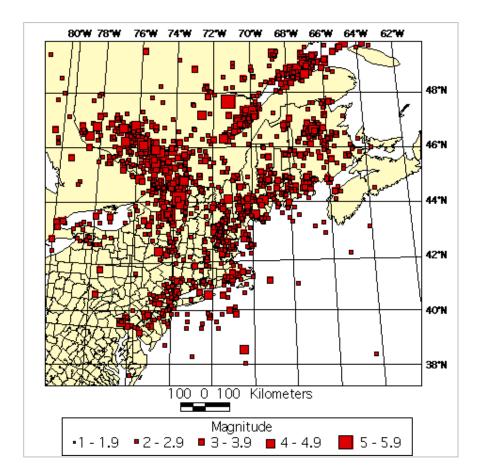


Figure 4: Seismicity for period October, 1975 - September, 2002.

#### Return to Table of Contents

## Acknowledgments

We would like to thank the Undergraduate Research Opportunities Program (UROP) of MIT for its support to the network. Our map database has been developed in-house using ARCINFO and in part basemap data provided by ESRI, Inc. (Arcdata Online), USGS GTOPO30 Elevation Data, and TIGER/Line '94, '95, and '97 (US Census Bureau) spatial data.

#### References

Chaplin, M.P., Taylor, S.R., and Toksöz, M.N. (1980), A coda length magnitude scale for New England, *Earthquake Notes*, *51*, 15-22.

Ebel, J.E. (1982), M<sub>L</sub> measurements for northeastern United States earthquakes, Bull. Seism. Soc. Am., 72, 1367-1378.

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

#### Return to Table of Contents

Updated: July 13, 2011

Maintained by: Weston Observatory

Accessibility | Contact | Feedback © 2017 The Trustees of Boston College. Legal