SPECIAL DATA COLLECTION SYSTEM EVENT REPORT - NORTHEASTERN CHINA, 25 FEBRUARY 1975

J. R. Woolson, et al

Teledyne Geotech

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Northeastern China, 25 February 1975

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September 1975

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Springfield, VA 22151
**SPECIAL DATA COLLECTION SYSTEM (SDCS)**

Northeastern China, 25 February 1975

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SDCS Event Report No. 2

Northeastern Chi...a, 25 February 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

<table>
<thead>
<tr>
<th>Station</th>
<th>Origin Time</th>
<th>Latitude</th>
<th>Longitude</th>
<th>mb</th>
<th>Ms</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORSAR</td>
<td>21:09:53</td>
<td>41.0N</td>
<td>123.0E</td>
<td>5.1</td>
<td>3.8</td>
</tr>
<tr>
<td>LASA</td>
<td>21:09:51</td>
<td>40.9N</td>
<td>121.3E</td>
<td>4.8</td>
<td>3.9</td>
</tr>
<tr>
<td>PDF</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hagtors Array, Sweden</td>
<td>21:09:32</td>
<td>36.0N</td>
<td>119.0E</td>
<td>5.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

An epicenter was not calculated from the SDCS stations.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

RK-ON and FN-WV were non-operational for this event; evaluation of records at WH2YK and HN-ME produced negative results; and data from CPSO was not recoverable.
<table>
<thead>
<tr>
<th>SITE CODE</th>
<th>LOCATION</th>
<th>SITE COORDINATES DEG MN SECS</th>
<th>ELEVATION METERS</th>
<th>INSTRUMENTATION SHORT-PERIOD</th>
<th>INSTRUMENTATION LONG-PERIOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALPA</td>
<td>Alaska</td>
<td>65 14 00.0 N 147 44 36.0 W</td>
<td>457</td>
<td>None</td>
<td>31300</td>
</tr>
<tr>
<td>CPSO</td>
<td>McMinnville, Tennessee</td>
<td>35 35 41.4 N 085 34 13.5 W</td>
<td>574</td>
<td>6480 V</td>
<td>SL210 V</td>
</tr>
<tr>
<td>FN-WV</td>
<td>Franklin, West Virginia</td>
<td>38 32 58.0 N 079 30 47.0 W</td>
<td>910</td>
<td>KS36000</td>
<td>KS36000</td>
</tr>
<tr>
<td>LASA</td>
<td>Billings, Montana</td>
<td>46 41 19.0 N 106 13 20.0 W</td>
<td>744</td>
<td>HS10</td>
<td>7505A V</td>
</tr>
<tr>
<td>HN-ME</td>
<td>Houlton, Maine</td>
<td>46 09 43.0 N 067 59 09.0 W</td>
<td>213</td>
<td>18300</td>
<td>SL210 V</td>
</tr>
<tr>
<td>NORSAR</td>
<td>Kjeller, Norway</td>
<td>60 49 25.4 N 010 49 56.5 E</td>
<td>379</td>
<td>HS1G</td>
<td>7505A V</td>
</tr>
<tr>
<td>RK-ON</td>
<td>Red Lake, Ontario</td>
<td>50 50 20.0 N 093 40 20.0 W</td>
<td>360</td>
<td>18300</td>
<td>SL210 V</td>
</tr>
<tr>
<td>WH2YK</td>
<td>White Horse, Yukon</td>
<td>60 41 41.0 N 134 58 02.0 W</td>
<td>853</td>
<td>18300</td>
<td>SL210 V</td>
</tr>
</tbody>
</table>
## DATA SUMMARY

<table>
<thead>
<tr>
<th>Sta.</th>
<th>Phase</th>
<th>Arrival Time</th>
<th>Inst.</th>
<th>Per</th>
<th>A/T</th>
<th>Magnitude $M_b$</th>
<th>$M_s$</th>
<th>Dist</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALPA</td>
<td>LR</td>
<td>21:41:33.0</td>
<td>LPAB</td>
<td>18.0</td>
<td>11.8</td>
<td>3.92</td>
<td>54.2</td>
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<tr>
<td>NAO</td>
<td>EP</td>
<td>21:20:26.1</td>
<td>AB</td>
<td>0.9</td>
<td>26.6</td>
<td>5.12</td>
<td>63.9</td>
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</tr>
<tr>
<td>NAO</td>
<td>LR</td>
<td>21:50:12.0</td>
<td>LPAB</td>
<td>21.0</td>
<td>7.8</td>
<td>3.94</td>
<td>63.9</td>
<td></td>
</tr>
<tr>
<td>LAO</td>
<td>EP</td>
<td>21:22:13.2</td>
<td>AB</td>
<td>1.0</td>
<td>13.4</td>
<td>4.83</td>
<td>82.9</td>
<td></td>
</tr>
<tr>
<td>LAO</td>
<td>LR</td>
<td>22:01:40.0</td>
<td>LPAB</td>
<td>20.0</td>
<td>8.0</td>
<td>3.82</td>
<td>82.9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Avg. $M_b$</th>
<th>Sta.</th>
<th>Avg. $M_s$</th>
<th>Sta.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.98</td>
<td>2</td>
<td>3.89</td>
<td>3</td>
</tr>
</tbody>
</table>
NORSAR EVENT FILE 1975 FEB 25

EPX NO. 57290  ARR. 21.20.26.0  40.8N 122.7E  4.2MB  33KM
DIST = 64.6  AZI = 51.3  AMP = 3.4  PER = 1.1  UMETH 2

= 5 SECONDS

AB

SAB

3B

SAB

1C

SAB

4C

SAB

13C
LASA

1 25 FEB 1975
2 21 9 51 40.9N 121.3E 33C C 4.6 658 NORTHEASTERN CHINA 6.7 1.0 21.6 83.1 325.7
3 21 22 13.2 LAO P

EPX 12385
ABN 16
21:22:03.2
AB 16
FAB 13
WAB 13
PAB1 12
PAB2 14
PAB3 16
PAB4 12

BP-B 0.6-2.0 HZ

10 sec