

# Contents

<b>1 Preface</b>	<b>1</b>
<b>2 The International Seismological Centre</b>	<b>2</b>
2.1 The ISC Mandate . . . . .	2
2.2 Brief History of the ISC . . . . .	3
2.3 Former Directors of the ISC and its U.K. Predecessors . . . . .	4
2.4 Member Institutions of the ISC . . . . .	5
2.5 Sponsoring Organisations . . . . .	11
2.6 Data Contributing Agencies . . . . .	12
2.7 ISC Staff . . . . .	21
<b>3 Availability of the ISC Bulletin</b>	<b>26</b>
<b>4 Citing the International Seismological Centre</b>	<b>27</b>
<b>5 Summary of Seismicity, July - December 2013</b>	<b>29</b>
<b>6 Notable Events</b>	<b>34</b>
6.1 Notable events of Kamchatka in 2013 . . . . .	34
6.2 The February 28, 2013, $M_W$ 6.8 South Kamchatka Earthquake . . . . .	34
6.2.1 Introduction . . . . .	34
6.2.2 Focal mechanism of the earthquake . . . . .	36
6.2.3 Main features of the aftershocks process . . . . .	36
6.2.4 Macroseismic data . . . . .	38
6.2.5 Ground motion . . . . .	41
6.2.6 Conclusion . . . . .	45
6.3 The largest deep-focus Sea of Okhotsk earthquake May 24, 2013, $M_W = 8.3$ . . . . .	47
6.3.1 Introduction . . . . .	47
6.3.2 Tectonic setting and the focal mechanism of the earthquake . . . . .	50
6.3.3 Main features of the aftershock sequence . . . . .	58
6.3.4 Macroseismic data . . . . .	59
6.3.5 Conclusion . . . . .	63
6.4 References . . . . .	63
<b>7 Statistics of Collected Data</b>	<b>66</b>

7.1	Introduction . . . . .	66
7.2	Summary of Agency Reports to the ISC . . . . .	66
7.3	Arrival Observations . . . . .	71
7.4	Hypocentres Collected . . . . .	78
7.5	Collection of Network Magnitude Data . . . . .	80
7.6	Moment Tensor Solutions . . . . .	86
7.7	Timing of Data Collection . . . . .	89
<b>8</b>	<b>Overview of the ISC Bulletin</b>	<b>91</b>
8.1	Events . . . . .	91
8.2	Seismic Phases and Travel-Time Residuals . . . . .	100
8.3	Seismic Wave Amplitudes and Periods . . . . .	106
8.4	Completeness of the ISC Bulletin . . . . .	108
8.5	Magnitude Comparisons . . . . .	109
<b>9</b>	<b>The Leading Data Contributors</b>	<b>114</b>
9.1	The Largest Data Contributors . . . . .	114
9.2	Contributors Reporting the Most Valuable Parameters . . . . .	116
9.3	The Most Consistent and Punctual Contributors . . . . .	120
<b>10</b>	<b>Appendix</b>	<b>122</b>
<b>11</b>	<b>Glossary of ISC Terminology</b>	<b>141</b>
<b>12</b>	<b>Acknowledgements</b>	<b>145</b>
<b>References</b>		<b>146</b>