

Contents

1	Preface	1
2	The International Seismological Centre	2
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	9
2.6	Data Contributing Agencies	11
2.7	ISC Staff	18
3	Availability of the ISC Bulletin	24
4	Citing the International Seismological Centre	25
5	Operational Procedures of Contributing Agencies	27
5.1	Monitoring System of the Institute of Geophysical Research of the Ministry of Energy of the Republic of Kazakhstan	27
5.1.1	Regional Seismicity and Station Network	27
5.1.2	Data Processing and Data Availability	32
5.1.3	References	36
6	The ISC Bulletin Rebuild Project: 1980 – 1984	39
7	Summary of Seismicity, January – June 2016	41
8	Statistics of Collected Data	47
8.1	Introduction	47
8.2	Summary of Agency Reports to the ISC	47
8.3	Arrival Observations	52
8.4	Hypocentres Collected	59
8.5	Collection of Network Magnitude Data	61
8.6	Moment Tensor Solutions	67
8.7	Timing of Data Collection	69
9	Overview of the ISC Bulletin	71

9.1	Events	71
9.2	Seismic Phases and Travel-Time Residuals	80
9.3	Seismic Wave Amplitudes and Periods	85
9.4	Completeness of the ISC Bulletin	88
9.5	Magnitude Comparisons	89
10	The Leading Data Contributors	93
10.1	The Largest Data Contributors	93
10.2	Contributors Reporting the Most Valuable Parameters	96
10.3	The Most Consistent and Punctual Contributors	100
11	Appendix	102
11.1	ISC Operational Procedures	102
11.1.1	Introduction	102
11.1.2	Data Collection	102
11.1.3	ISC Automatic Procedures	103
11.1.4	ISC Location Algorithm	107
11.1.5	Review Process	117
11.1.6	History of Operational Changes	118
11.2	IASPEI Standards	119
11.2.1	Standard Nomenclature of Seismic Phases	119
11.2.2	Flinn-Engdahl Regions	126
11.2.3	IASPEI Magnitudes	133
11.2.4	The IASPEI Seismic Format (ISF)	137
11.2.5	Ground Truth (GT) Events	139
11.2.6	Nomenclature of Event Types	141
11.3	Tables	142
12	Glossary of ISC Terminology	162
13	Acknowledgements	166
	References	167