

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	11
2.6	Data Contributing Agencies	13
2.7	ISC Staff	23
3	Availability of the ISC Bulletin	29
4	Citing the International Seismological Centre	30
5	Operational Procedures of Contributing Agencies	32
5.1	Collm Geophysical Observatory	32
5.1.1	History and Present Status	32
5.1.2	Data Analysis	35
5.1.3	Local Network	37
5.1.4	Acknowledgements	44
5.1.5	References	44
5.2	Seismological Observatory Berggießhübel	45
5.2.1	History	45
5.2.2	Present Observatory Status	47
5.2.3	Data Analysis	54
5.2.4	References	58
6	Summary of Seismicity, January - June 2014	59
7	Statistics of Collected Data	65
7.1	Introduction	65
7.2	Summary of Agency Reports to the ISC	65
7.3	Arrival Observations	70
7.4	Hypocentres Collected	77

7.5	Collection of Network Magnitude Data	79
7.6	Moment Tensor Solutions	85
7.7	Timing of Data Collection	87
8	Overview of the ISC Bulletin	90
8.1	Events	90
8.2	Seismic Phases and Travel-Time Residuals	99
8.3	Seismic Wave Amplitudes and Periods	105
8.4	Completeness of the ISC Bulletin	108
8.5	Magnitude Comparisons	109
9	The Leading Data Contributors	114
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
10	Appendix	122
10.1	ISC Operational Procedures	122
10.1.1	Introduction	122
10.1.2	Data Collection	122
10.1.3	ISC Automatic Procedures	123
10.1.4	ISC Location Algorithm	127
10.1.5	Review Process	137
10.1.6	History of Operational Changes	138
10.2	IASPEI Standards	139
10.2.1	Standard Nomenclature of Seismic Phases	139
10.2.2	Flinn-Engdahl Regions	146
10.2.3	IASPEI Magnitudes	153
10.2.4	The IASPEI Seismic Format (ISF)	157
10.2.5	Ground Truth (GT) Events	159
10.2.6	Nomenclature of Event Types	161
10.3	Tables	162
11	Glossary of ISC Terminology	182
12	Acknowledgements	186
	References	187
