

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	Seismological Central Observatory (SZO) of BGR, Germany	27
5.1.1	Introduction	27
5.1.2	Station Network and Data Management	28
5.1.3	Routine Data Analysis	31
5.1.4	Operating the German National Data Center for the Verification of the CTBT .	38
5.1.5	Analysis of Special Seismic Events	39
5.1.6	References	43
6	Summary of Seismicity, July - December 2015	44
7	Notable Events	50
7.1	Macroseismic Field Anisotropy of the ML 4.7 Earthquake of 18 October 2015 in Central Urals, Russia	50
7.1.1	Introduction	50
7.1.2	Macroseismic Data	51
7.1.3	Isoseismal Maps	53
7.1.4	Discussion and Conclusions	58
7.1.5	References	58
8	Statistics of Collected Data	60
8.1	Introduction	60
8.2	Summary of Agency Reports to the ISC	60
8.3	Arrival Observations	65

8.4 Hypocentres Collected	72
8.5 Collection of Network Magnitude Data	74
8.6 Moment Tensor Solutions	79
8.7 Timing of Data Collection	82
9 Overview of the ISC Bulletin	85
9.1 Events	85
9.2 Seismic Phases and Travel-Time Residuals	94
9.3 Seismic Wave Amplitudes and Periods	100
9.4 Completeness of the ISC Bulletin	102
9.5 Magnitude Comparisons	103
10 The Leading Data Contributors	108
10.1 The Largest Data Contributors	108
10.2 Contributors Reporting the Most Valuable Parameters	110
10.3 The Most Consistent and Punctual Contributors	115
11 Appendix	116
12 Glossary of ISC Terminology	136
13 Acknowledgements	140
References	141