General Contents on the Bulletin of the Geographical Survey Institute

Contents	Remarks	Page
Vol. I 1 (Oct., 1948)		
Die Ausgleichung von Polygonz_gen nach der Methode der kleinsten Quadrate.	Ietsune Tsubokawa	1-8
Results of Precise Levellings along the Coast of the Kagosima Bay	Y. Harada	9-16
On the Changes in the Heights of the Mean Sea-level at Aburatubo, Hasosima, Wazima, and Osyoro.	Seiti Yamaguti	17-25
Relation between damages by earthquakes and Topography	T. Nakano	27-36
Geomorphology of the Coastal Districts of the Southern Part of Sikoku Island and its Bearing on the Crustal Deformations Accompanying Great Nankai Earthquakes	Akira Watanabe	37-72
Note on the Systematic Local Deviation of the Original Point Geodetic Coordinate in Japan.	Matakichi Omori.	73-75
The Measurement of 100m Base Line Rhombus in the Compound of the Tokyo Astronomical Observatory at Mitaka	Geodetic Section, Geographical Survey Bureau	77-78
Vol. II 1 (1950)		
ON THE VARIATION OF THE MONTHLY MEAN SEA-LEVEL	Tsutomu SHIMIZU	1-14
ON THE RELIABILITY OF THE VALUE OF MONTHLY MEAN SEA-LEVEL, CORRECTED WITH PROPER FACTORS, AS A LEVEL STANDARD.	Seiti YAMAGUTI	15-26
THE LAND DEFORMATION ACCOMPANYING THE FUKUI EARTHQUAKE OF JUNE 28, 1948.	Katsuhiko MUTO Toyozo OKUDA Yoshimichi HARADA.	27-36
ON THE MODE OF THE VERTICAL LAND-DEFORMATION ACCOMPANYING THE GREAT NANKAIDO EARTHQUAKE 1946.	Toyozo OKUDA	37-59
THE HORIZONTAL DISPLACEMENTS ACCOMPANYING THE GREAT KWANTO EARTHQUAKE 1923.	Eiji INOUE & Hideko ŌNO.	61-72
A NEW TYPE MAGNETOMETER. (The G.S.I. Type Magnetometer.)	Ietsune TSUBOKAWA	73-76
MAGNETIC SURVEY IN THE SOUTHWESTERN-PART OF JAPAN.	Ietsune TSUBOKAWA Yoshimichi HARADA Shohei AMAGAI	77-79
LANDFORM DIVISIONS OF JAPAN	Akira WATANABE	81-94
LAND USE OF JAPAN	Yoshikatsu OGASAWARA	95-119
Vol. II 2-3 (June, 1951)	•	•
MAGNETIC SURVEY OF JAPAN, 1948-1951. (I-1)	The Geographical Survey Institute.	121-166
THE OBSERVATION OF THE VERTICAL DEFLECTION IN JAPAN (1947-1950).	The Geographical Survey Institute.	167-237
[(1)		
Vol. II 4 (Oct., 1951)		
ON THE CHANGE OF LOCAL GEOID IN THE SOUTHWESTERN PART OF JAPAN	Toyozo OKUDA	239-275
THEORY OF ELECTROMAGNETIC MAGNETOMETER USING A ROTATING	Ietsune TSUBOKAWA	277-324
COIL-DETECTOR	TO THE CONTRACT OF THE CONTRAC	227.260
G.S.I. PRECISE (FIRST ORDER) MAGNETOMETER	Ietsune TSUBOKAWA	325-360
Vol. III 1 (June, 1952)	I TOUTON AND	I1 20
REDUCTION OF THE RESULTS OBTAINED BY THE MAGNETIC SURVEY OF JAPAN (1948-51) TO THE EPOCH 1950.0 AND DEDUCTION OF THE EMPIRICAL	Ietsune TSUBOKAWA	1-29
FORMULAE EXPRESSING THE MAGNETIC ELEMENTS		
RE-SURVEY OF THE SOUTH-WESTERN PART OF JAPAN AFTER THE GREAT NANKAIDŌ EARTHQUAKE OF 1946.	The Geographical Survey Institute.	31-118
Vol. III 2-4 (March, 1953)		1
MAGNETIC SURVEY OF JAPAN, 1951. (1-2)	The Geographical Survey Institute.	119-148
THE OBSERVATION OF THE VERTICAL DEFLECTION IN JAPAN. (2)	The Geographical Survey Institute.	149-232

Contents	Remarks	Page
Vol.IV 1 (March, 1954)		
RESURVEY OF THE SOUTHWESTERN PART OF JAPAN AFTER THE GREAT NANKAIDO EARTHQUAKE OF 1946	The Geographical Survey Institute	1-48
SECOND ORDER MAGNETIC SURVEY OF JAPAN (1)	The Geographical Survey Institute.	49-57
ATMOSPHERIC REFRACTION AT Mt. TSUKUBA	Y. HARADA, T.TSUCHIHASHI	59-68
	and K. ONO	
INTERESTING PHENOMENA ON THE TIDAL RECORDS	Tsutomu SHIMIZU	69-73
ON THE OPTICAL MULTIPLICATION IN LENGTH MEASUREMENT	Kazuo MURAOKA, Kazuo KITADA and Akira TSUDA	75-86
CRUSTAL MOVEMENT AND SHORELINE DEVELOPMENT ALONG THE PACIFIC COAST OF JAPAN SINCE HOLOCENE PERIOD -A REPORT ON THE GEOMORPHOLOGICAL STUDIES OF LOWLANDS OF JAPAN-	Takamasa NAKANO	87-113
Vol.IV 2 (March, 1955)		
THE USE OF AERIAL PHOTOGRAPH IN LAND FORM CLASSIFICATION SURVEY IN JAPAN	Takamasa NAKANO	1-21
GRAVITY SURVEY IN JAPAN (1) I GRAVITY SURVEY IN HOKKAIDO DISTRICT	the Geographical Survey Institute	23-99
Vol.IV 3-4 (Dec., 1955)	•	•
Vertical Earth Movement in Nankai District	Naomi MIYABE	1-14
THE OBSERVATION OF THE VERTICAL DEFLECTION IN JAPAN (3)	The Geographical Survey Institute	15-161
Vol. V 1-2 (March, 1957)		
Determination of the Differences in Gravity Values at the Coast and Geodetic Survey (C & GS), the National Bureau of Standards (NBS), Washington, D.C., and the Geographical Survey Institute (GSI), Chiba, Japan.	Toyozo OKUDA, Eiji INOUE and Hiromiti SUZUKI	1-12
The Second Order Magnetic Survey of Japan (2)	The Geographical Survey Institute	13-29
Population Density of Japan	Tatsutaro HIDAKA	31-64
Vol. V 3 (July,1957)	•	
GRAVITY SURVEY IN JAJPAN (2) I . GRAVITY SURVEY IN THE TŌHOKU DISTRICT	The Geographical Survey Institute	1-94
Vol. V 4 (March, 1958)	•	
THE ROLE OF RICE AND RICE PADDY DEVELOPMENT IN JAPAN	Yoshikatsu Ogasawara	1-23
THE OBSERVATION OF THE VERTICAL DEFLECTION IN JAPAN (5)	The Geographical Survey Institute	24-90
Vol. VI 1 (March, 1960)		
THE LOCALITY OF THE GEODETIC COORDINATE DERIVED FROM THE OBSCURITY OF THE SOLAR ECLIPSE	Takeshi DAMBARA	1-11
THE SECOND ORDER MAGNETIC SURVEY OF JAPAN [3]	The Geographical Survey Institute	12-22
FORMES ET SEDIMENTS FLUVIAUX ET LITTORAUX DANS LA VALLEE DE LA BASSE SELUNE (REGION D'AVRANCHES ET DE DUCEY) -ETUDE GEOMORPHOLOGIQUE-	Tatsutaro HIDAKA	23-71
Vol. VI 2-3 (Nov., 1960)	•	•
Land Deformation in Japan	Eiji INOUE	73-134
Determination of the Differences in Gravity between Chiba, Singapore, Cape Town and Syowa Station in Antarctica.	Yoshimichi HARADA Hiromiti SUZUKI Shin-ichi OHASHI and Seiichi KAKINUMA	135-156
Population Density by Landform Division in Japan	Geographical Section	157-166
Vol. VI 4 (March, 1961)	1 Orah mem Seanon	127, 100
A New GSI Pendulum Apparatus	Eiji INOUE	167-200
Pendulum Determinations of the Gravity Difference Between Tokyo and Melbourne	Eiji INOUE & Takao SETO	201-211
Vol. VII 1 (Oct., 1961)	Ell 1100E & Takao BETO	201-211
MAGNETIC SURVEY OF JAPAN, 1951-1957.	the Geographical Survey Institute.	1-85
[] [] [] [] [] [] [] [] [] []	and Scopinpinear burvey institute.	11 00

Contents	Remarks	Page
Vol. VII 2-4 (March, 1962)		
The Project National Large Scale Mapping of Japan	Geographical Survey Institute	87-88
On the Results of the Examination for the Aerial Photographs by the National Large Scale Mapping Project	Takeshi HIRAI	89-102
The Method of the Direct Transformation between the Plane Rectangular Coordinates and the Coordinates by the Universal Transverse Mercator Projection	Takehisa HARADA	103-130
Relation between Tsunami and Coastal Landforms In Case of the Chilian Earthquake Tsunami, May 24th, 1960	Takamasa NAKANO, Masahiko OHYA and Yoshihiko TAKEHISA	131-150
Une M_thode Interf_rom_trique de Mesurer la Vue Topographique de la Surface du Verre	Kazuo MURAOKA	151-179
Vol.WII 1 (Nov., 1962)		
Base Line Measurement by Geodimeter	The Geographical Survey Institute	1-11
Adjustment of the Triangulation by Automatic Digital Computer	Kasio ISIKAWA	12-22
Studies on the Connection of Geodetic Networks in the Far East by Astronomical Method	Takeshi DAMBARA	23-40
The Second Order Magnetic Survey of Japan (4)	The Geographical Survey Institute	41-51
Photo-Geographical Surveys of the GSI, Japan	Takamasa NAKANO, Masayoshi TAKASAKI, Masahiko OHYA, Toshitomo KANAKUBO and Reiko KAWAI	52-68
Vol.IX 1-2 (Jan., 1964)		•
A Study on Errors of Aerial Triangulation	Yukio OZAKI	1-21
Outline of the Precise Aerial Triangulation for the National Large Scale Mapping Project	Yukio OZAKI	22-27
Results of the Precise Aerial Triangulation for the National Large Scale Mapping Project	T. SUZUKI, S. KAKISHITA AND K. MORI	28-38
Recent Development of the Photo-contour Map in Japan	S. KAKISHITA and Y. KITANI	39-43
Block Adjustment with Analogue Computer ACNA	Eiji INOUE, Yukio OZAKI and Seizo KAKISHITA	44-56
Magnetic Survey of Japan, 1958-1961	The Geographical Survey Institute	57-96
Geomagnetic Survey and the Magnetic Anomaly Distribution in Japan	Yoshimichi HARADA	97-153
Vol.IX 3-4 (March, 1964)		
GRAVITY SURVEY IN JAPAN (3) III. GRAVITY SURVEY IN THE KANTŌ AND CHŪBU DISTRICTS	The Geographical Survey Institute	155-340
Vol. X 1 (Nov., 1964)		
The Fourth United Nation's Regional Cartographic Conference for Asia and the Far East	-Manila-	
National report	171dillid	
Cartographic Works In Japan In The Period 1961-1964	the Geographical Survey Institute	1-16
TECHNICAL REPORTS PRESENTED	the Geographical Survey Institute	11 10
Measurement of totel magnetic force at sea in "International Indian Ocean Expedition" in the periods from Nov. 1963 to Feb. 1964.	Ocean Res. Inst. Tokyo Univ. and Tokyo Univ. Fishing	17-20
Gravity Measurement in the Indian Ocean	Ocean Res. Inst. Tokyo Univ. and Tokyo Univ. Fishing.	21-22
Aerial Triangulation in Japan	the Geographical Survey Institute	23-25
Some Applications of Photo-Interpretation in the Geographical Survey Institute,	the Geographical Survey Institute	26-32
Japan		
Maps on the Development, Conservation and Prevention	the Geographical Survey Institute	33-40
IMW project of Japan in the light of the new specifications adopted in the Bonn	the Geographical Survey Institute	41-45
Conference		
Present Status on Domestic Standardization of Geographical Names in Japan	the Geographical Survey Institute	46-48
Outline of Scribing Techniques in Japan	the Geographical Survey Institute	49-50
A new surveying and mapping programme in Japan	the Geographical Survey Institute	51-54
Vol. X 2-4 (March, 1965)		
GRAVITY SURVEY IN JAPAN (4)	The Geographical Survey Institute	55-183
■ W. GRAVITY SURVEY IN THE CHŪBU, KINKI AND CHUGOKU DISTRICTS		

Contents	Remarks	Page
Vol.X I 1-2 (Nov., 1965)	Im a 1 1a 1 to	la az
The Second Order Magnetic Survey of Japan (5)	The Geographycal Survey Institute	1-16
Simultaneous Observation by Three Gravimeters along the Japanese Gravimeter Calibration Line	T. Saito, K. Inoue, and Y. Fujii	17-34
Quadrilateral Measurement by Geodimeter II	The Geographycal Survey Institute	35-41
On the Accuracy of Topographic Mapping by private enterprise at the scale of 1:25,000	Topagraphic Section, Geographical Survey Institute	42-49
Survey of Snow Depths and Avalanches by means of Aerial Photographs	Reiko Seto	50-58
Vol. X I 2-4 (March., 1966)		
THE OBSERVATION OF THE ASTRONOMICAL AZIMUTH AND THE COMPUTATION OF THE LAPLACE RESIDUAL IN JAPAN (1)	The Geographical Survey Institute	59-124
GRAVITY SURVEY IN JAPAN V. GRAVITY SURVEY IN THE SHIKOKU	The Geographical Survey Institute	125-169
Vol. X II 1 (July, 1966)	The Geographical Survey Institute	120 100
THE LAND CLASSIFICATION SURVEY BY GEOGRAPHERS IN JAPAN	Masayoshi TAKASAKI, Masahide SHIKI Ochanomizu University, Yoshihiko TAKEHISA	1-20
UNIVERSAL PROGRAM TO BE USED WITH ELECTRONIC COMPUTER FOR NET-ADJUSTMENT OF ANY GEODETIC FIGURE	Takehisa HARADA	21-39
MAGNETIC SURVEY OF JAPAN, 1962-1965	The Geographical Survey Institute	41-79
Vol. X II 2 (Jan., 1967)		1
THE FIFTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE FO 8th~22nd March, 1967 Canberra, Australia National report	R ASIA AND THE FAR EAST	
Cartographic Works In Japan The Period 1964-1966	The Goographical Survey Institute	1-12
TECHNICAL REPORTS PRESENTED	The Geographical Survey Institute	1-12
Anomalous land deformation in the Niigata area before the Niigata Earthquake and in the Matsushiro area revealed by precise leveling	Earthquake Research Institute The University of Tokyo	13-19
Geodetic Surveys in the Area of Matsushiro Earthquake Swarms	The Geographical Survey Institute	20-25
On the Gravity Standardization Program in the Western Pacific Region	The Geographical Survey Institute	26-27
Aeromagnetic Survey over the Land of Japan	The Geographical Survey Institute	28
Examination of the national large scale map	The Geographical Survey Institute	29-31
New Medium Scale Plotter	The Geographical Survey Institute	32-39
Progress and Utilization of Land Use Maps in Japan	The Geographical Survey Institute	40-41
Report on the thematic Map Series and Atlases in Japan	The Geographical Survey Institute	42-44
Reproduction of Maps and Aerial Photographs in GSI	The Geographical Survey Institute	45-47
New Specifications for the 1/25,000 Topographic Map Series	The Geographical Survey Institute	48
Vol. X II 3-4 (March, 1967)		
Preparation of the International Map of the World on the Millionth Scale for Japan	The Geographical Survey Institute	1-3
Precise Readjustment of Old and New First Order Triangulations, and the Result in Relation with Destructive Earthquakes in Japan.	Takehisa HARADA	5-64
Geomagnetic Observation at Kanozan Geodetic Observatory	The Geographical Survey Institute	65-167
Vol.X III 1 (Feb., 1968)	· ·	•
G.S.I. AIRBORNE MAGNETOMETER AND GEOMAGNETIC STUDIES ON AEROMAGNETIC SURVEY	Naomi FUJITA	1-69
Vol. X III 2 (March, 1968)		
ACCURACY OF RECENT MAGNETIC SURVEY AND A LOCALLY ANOMALOUS BEHAVIOUR OF THE GEOMAGNETIC SECULAR VARIATION IN JAPAN	Minoru TAZIMA	1-78
Vol. X IV 1 (March, 1969)		
AN APPLICATION OF LAND USE AND LANDFORM CLASSIFICATION MAPS FOR REGIONAL PLANNING IN JAPAN	Masayoshi Takasaki	1-16
RECENT VERTICAL DISPLACEMENT IN COAST OF JAPAN ESTIMATED FROM THE ANNUAL MEAN SEA LEVEL	Naomi Fujita	17-28
Vol. X IV 2 (March, 1969)		
GRAVITY SURVEY IN JAPAN (6) VI. GRAVITY SURVEY IN THE KYUSHU DISTRICT	The Geographical Survey Institute	1-82

	Remarks	Page
Vol. X V 1 (Oct., 1969)		
A STUDY ON THE VERTICAL MOVEMENTS OF THE EARTH'S CRUST BY	Tetsuro HAYASHI	1-67
MEANS OF THE PRECISE LEVELING		
RELATION BETWEEN MAXIMUM VERTICAL DISPLACEMENTS OF THE	Yoichiro Fujii	69-92
CRUST AND MAGNITUDES OF EARTHQUAKES AND ITS APPLICATION TO		
THE PROBLEM OF EARTHQUAKE PREDICTION		
Vol. X V 2 (March, 1970)		
SUMMARY OF RESULTS OF THE FIRST ORDER MAGNETIC SURVEY	The Geographical Survey Institute	1-60
GEOMAGNETIC OBSERVATION AT KANOZAN GEODETIC OBSERVATORY	The Geographical Survey Institute	61-129
Vol. X VI 1 (Oct.,1970)		
THE SIXTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE FO	R ASIA AND THE FAR EAST	
24th Oct.~7th Nov., 1970 Tehran Iran		
National report		
Cartographic Works in Japan, The Period 1967-1969 -JAPAN-	the Geographical Survey Institute	1-16
	and the Hydrographic Office	
TECHNICAL REPORTS PRESENTED		
Precision Distance Measurement by Laser Geodimeter	The Geographical Survey Institute	17-22
Map Revision Drafting Method in Scribing to Meet Frequent Revision of Maps	The Geographical Survey Institute	23-26
A Study of the Standard Method of Photointerpretation in Research for Planning	The Geographical Survey Institute	27-32
and Construction		<u> </u>
Vol. X VI 2 (March, 1971)		
An Experimental Study for Atmosphere Correction of Electro-Optical Distance	Hiroshi Sato, Minoru Ikeda, Katum	1-18
Measurement	Nakane.	
Geomagnetic Observations at the Kanozan Geodetic Observatory	the Geographical Survey Institute	19-45
Geomagnetic Observations at the Mizusawa Geodetic Observatory	the Geographical Survey Institute	47-71
-	the Geographical Survey Histitute	4/-/1
Vol. XVII 1 (Nov., 1971)	D 1 CETO	I
Preparing Mesh Data and their Use for Regional Surveys	Reiko SETO	1-11
The Second Order Magnetic Survey of Japan (6)	The Geographical Survey Institute	12-35
Vol. X VII 2 (March, 1972)	T	T
Geomagnetic Observations at the Kanozan and Mizusawa Geodetic Observatories (1970)	The Geographical Survey Institute	1-51
Vol. X VIII 1 (Sep., 1972)	T	T
The Snow Survey by Aerial Photographs	Kazuhiko OTAKE	1-17
Urban Function Map of Sapporo	Masayoshi TAKASAKI and Kei KANAZAWA	18-24
The Observation of the Vertical Deflection in Japan (6)	The Geographical Survey Institute	25-78
	5 1	1
Vol. X IX 1 (Oct., 1973)		
Vol. X X 1 (Oct., 1973) THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE	FOR ASIA AND THE FAR EAST	
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15 $\sim\!$ 27 Oct. 1973 Tokyo, Japan	FOR ASIA AND THE FAR EAST	
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report		L
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan	The Geographical Survey Institute	1-25
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN-		1-25
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED	The Geographical Survey Institute and The Hydrographic Department	
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN-	The Geographical Survey Institute	30-31
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED	The Geographical Survey Institute and The Hydrographic Department Geodetic Division	
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office	30-31
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute	30-31 32-35 36-44
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies-	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute The Geographical Survey Institute The Geographic Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute The Geographical Survey Institute The Geographic Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute The Geographical Survey Institute The Geographic Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition Map of Coastal Area)	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72 73-80
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition Map of Coastal Area) Estimation of the Probability of Slope Disasters along National Highways	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72 73-80 81-88
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition Map of Coastal Area) Estimation of the Probability of Slope Disasters along National Highways A Study of Horizontal Movement of the Earth Crust associated with Destructive	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72 73-80
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition Map of Coastal Area) Estimation of the Probability of Slope Disasters along National Highways A Study of Horizontal Movement of the Earth Crust associated with Destructive Earthquakes in Japan	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute Hiroshi Sato	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72 73-80 81-88 89-130
THE SEVENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE 15~27 Oct. 1973 Tokyo, Japan National Report Cartographic Works in Japan, The period 1970-1973 -JAPAN- TECHNICAL REPORTS PRESENTED The Survey of Ground Subsidence Crustal Deformation in South Kanto District A Scheme for Preparation of 1/25,000 Land Use Maps in Japan An Approach to Rationalized Map Reproduction Training and Certification of Cartographic Engineers Design of Urban Land Use Maps -Case Studies- Report on the National Atlas Project in Japan 1/50,000 Water Use Maps in Japan The Basic Survey of the Coastal Area (Topographical Map and Land Condition Map of Coastal Area) Estimation of the Probability of Slope Disasters along National Highways A Study of Horizontal Movement of the Earth Crust associated with Destructive	The Geographical Survey Institute and The Hydrographic Department Geodetic Division Geographycal Survey Institute Crustal Activities Research Office Geographical Survey Institute The Geographical Survey Institute	30-31 32-35 36-44 45-48 49-51 52-58 59-64 65-72 73-80 81-88

ontents	Remarks	Page
ol. X X 1 (Aug.,1974)		
Establishment of the Gravimetric Network in Japan	Hiromiti Suzuki	1-150
Gravity Change and Crustal Deformation Accompanied with the Matsushiro Swarm Earthquakes	Yoichiro Fujii and Yasumasa Hasegawa, Morris Mottamed National	151-17
	Cartographic Center (Iran)	
Crustal Movement and Fault Motion Associated with The 1973 Nemuro-Oki Earthquake (ol. X X I 1 (Oct., 1975)	Takashi Tada	175-18
Lake Bathymetric Map	Shosuke Hosoi	1-9
Vertical Crustal Deformation Accompanied with the Tonankai Earthquake of 1944	Noboru Inouchi and Hiroshi Sato	10-18
Energy Transfer Through Current Convective Instability in the Dusk Side Magenetosphere Near the Plasmapause	Minoru Tanaka	19-44
Geomagnetic Observations at the Kanozan and Mizusawa Geodetic Observatories (1972)	The Geographical Survey Institute	45-82
ol. X X II 1 (March, 1977)	5 1 5	•
The Eighth United Nations Regional Cartographic Conference for Asia and the Far East	17-28 Jan. 1977 -Bangkok-	
National Report		
Cartographic Works in Japan Period 1973-1975	the Geographical Survey Institute, Ministry of Construction and the Hydrographic Department,	1-23
	Maritime Safety Agency	
Technical Reports Presented		
National Land Information Service	the Topographic Department, Geographic Department and Map Management Department, G.S.I.	27-29
International Technical Cooperation by the Geographical Survey Institute	the Planning Department, G.S.I.	30-36
Research on Active Faults under Alluvium Layer by Geodetic Methods	the Crustal Dynamics Department, G.S.I.	37-41
Thematic Mapping in Japan	The Geographical Survey Institute	42-68
Geomagnetic Observations at the Kanozan Geodetic Observatory (1973)	The Geographical Survey Institute	69-88
ol. X X II 2 (Nov., 1977)		
Reports of Japan to the Third United Nations Conference on the Standardization of Geographical Names Aug. 17 -Sep.7, 1977 -Athens-	Authors are not indicated.	1-24
On the Preparation of The National Atlas of Japan	Map Compilation Division, Geographic Department, Geographical Survey Institute	25-61
The Color Pattern Digitizing System of GSI	Source Material Division Map Management Department	63-72
Rapid Variation of Annual Change Distribution of the Earth's Magnetic Field	HIROO MIZUNO	73-102
On a Fault Model of the 1923 Great Kanto Earthquake and its Geotectonic Implication ol. X X III (June, 1978)	Takashi Tada and Shoji Sakata	103-12
The Digitizing of National Land Information	Map Management Department	1-5
Phases and Characteristics of Seismic Crustal Movement with Special References to Japanese Earthquakes	Yoichiro FUJII	7-81
The Observation of the Vertical Deflection in Japan (7)	Geodetic Department	83-141
fol. X X III 2 (March, 1979)	F	1 1
Rapid Variation of Annual Secular Change Distribution of the Earth's Magnetic Field (II)	Hiroo Mizuno	1-13
Crustal Deformation related to the Izu-Oshima Kinkai Earthquake of 1978	Noboru Inouchi and Hiroshi Sato	14-24
Color Photomosaic by Digital Methods	Minoru Akiyama	25-37
Survey for Disaster Countermeasures Along National Highways	Yoshihisa Hoshino Seiichi Tanioka	
Geomagnetic Observation at Kanozan Geodetic Observatory (1974, 1975, 1976 and 1977)	Kanozan Geodetic Observatory	57-129
ol. X X IV 1 (March, 1980)	•	
Color Photomaps from LANDSAT-MSS Data	Minoru Akiyama	1-13
Disastrous Ground Failure in a Residential Area of Large-Scale Cut-and-Fill in the Sendai Region Caused by the Earthquake of 1978	Motoo Kobayashi	15-25
Compilation of "Magnetic Maps 1975 of the Antarctic"	Hitoshi Haruyama	26-36
Geomagnetic Observation at Kanozan Geodetic Observatory (1978)	Kanozan Geodetic Observatory	37-55

Vol. X X V 1 (March, 1981) The Ninth United Nations Regional Cartographic Conference for Asia and Far East National Report	Remarks	Page
I INistronal Papart	11-22 Feb. 1980 -Wellington-	
		11.20
CARTOGRAPHIC WORK IN JAPAN	Geographical Survey Institute,	1-20
	the Ministry of Construction	
	and Hydrographic Department,	
T. I.	Maritime Safety Agency	
Technical Report		121 24
A System for Providing Access to National Survey Data	Geographical Survey Institute	21-24
The Development of a Tidal Record Automatic Analyzer		25-37
Calibration of Aerial Survey Cameras	The Topographic Department	38-67
Color Photomosaics from LANDSAT-MSS Data	Topographic Department	68-75
RESULTS OF THE FIRST ORDER MAGNETIC SURVEY 1968-1978	The Geographical Survey Institute	76-90 91-127
Geomagnetic Observation at Kanozan Geodetic Observatory (1979)	Kanozan Geodetic Observatory	91-12/
Vol. X X VI 1 (March, 1981) PRESENT STATUS OF TOPOGRAPHIC MAPS IN JAPAN		11.05
	Authors are not indicated.	1-85
Vol. X X VII (Nov., 1982) TRANSPORTABLE ABSOLUTE GRAVITY METER	MILLANGERAKANG	1 10
TRANSPORTABLE ABSOLUTE GRAVITY METER	Makoto MURAKAMI, Kazuo TAJIMA	1-10
ACTIVITIES OF THE COORDINATING COMMITTEE FOR EARTHQUAKE PREDICTION	Crustal Dynamics Department	11-32
AUTOMATIC MAP COMPILING EQUIPMENT	Mamoru MURATA,	33-52
DELATIONICHID DETWEEN LANDEODM AND ELOOP BLIGGERICHE	Hidekazu YOKOI	52.72
RELATIONSHIP BETWEEN LANDFORM AND FLOOD IN 1967 IN THE NORTHERN PART OF THE NIIGATA PLAIN, CENTRAL JAPAN	Takekazu AKAGIRI	53-72
BULLETIN OF THE GEOGRAPHICAL SURVEY INSTITUTE	GEOGRAPHICAL SURVEY	73-82
General Contents Vol. I - X X VII	INSTITUTE	73-62
Vol. X XVII (Oct., 1983)	INSTITUTE	
THE 10TH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERNCE F	FOR ASIA AND THE PACIFIC	
I. CARTOGRAPHIC WORK IN JAPAN (1979-1981)	The Geographical Survey Institute	1-11
II. THE DEVELOPMENT OF A METHOD TO PRODUCE COLOR COMPOS		12-63
ORTHOPHOTOMAP FROM LANDSAT DATA	Minoru AKIYAMA	12 03
PREPARATION OF ANTARCTIC MAPS BY THE GEOGRAPHICAL SURVEY		64-72
INSTITUTE		
GEOMORPHIC DEVELOPMENT AND QUATERNARY TECTONIC MOVEMI	ENT Yohta KUMAKI	73-93
IN THE SHINJO BASIN, TOHOKU DISTRICT, JAPAN		
DISTRIBUTION OF SUPPORTING GROUND FOR BUILDINGS IN THE OSAI PLAIN	KA Eisaku TSURUMI, Masakatsu HORINO and Mitsuko TAKEDA	94-100
COMPUTER ASSISTED PRODUCTION OF A LAYERED MAP USING DIGITAL	· · · · · · · · · · · · · · · · · · ·	101-105
ALTITUDE DATA	MAENO, Yuji SUGIHARA, Akira	101 105
	KINOSHITA	
MAGNETIC CHARTS FOR THE EPOCH 1980.0	The First Geodetic Division	106-108
Vol. X X IX 1 (Sep., 1984)		
RAPID AND EPISODIC VARIATION OF THE GEOMAGNETIC SECULAR	Hiroo MIZUNO	1-102
VARIATION FIELD		
Vol. X X IX 2 (March, 1985)	•	•
THE READJUSTMENT OF THE MEIJI FIRST ORDER TRIANGULATION	Kazuo KOMAKI	1-45
	Toshitomo KANAKUBO, Syo SAITO and Yoshitake EGAWA	46-57
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN	ISALLO and Yoshitake EGAWA	1
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN		50 61
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN FLOOD DISASTER IN THE LOWER REACH AREA OF THE KOKAI RIVER	Hiroaki SUNAGA, Masataka OTA	58-64
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN FLOOD DISASTER IN THE LOWER REACH AREA OF THE KOKAI RIVER CAUSED BY THE TYPHOON 8115 AND THE MICRO-LANDFORMS	Hiroaki SUNAGA, Masataka OTA and Yohta KUMAKI	
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN FLOOD DISASTER IN THE LOWER REACH AREA OF THE KOKAI RIVER	Hiroaki SUNAGA, Masataka OTA	58-64 65-74
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN FLOOD DISASTER IN THE LOWER REACH AREA OF THE KOKAI RIVER CAUSED BY THE TYPHOON 8115 AND THE MICRO-LANDFORMS	Hiroaki SUNAGA, Masataka OTA and Yohta KUMAKI Kazuhiko OTAKE, Eisaku	
NETWORK BY THE PROJECTION METHOD 1/10,000 MAP SERIES IN JAPAN FLOOD DISASTER IN THE LOWER REACH AREA OF THE KOKAI RIVER CAUSED BY THE TYPHOON 8115 AND THE MICRO-LANDFORMS COLLECTION OF DETAILED DIGITAL LAND USE DATA AND ITS USE	Hiroaki SUNAGA, Masataka OTA and Yohta KUMAKI Kazuhiko OTAKE, Eisaku TSURUMI and Noboru INOUE Hiroyuki MATSUDA	65-74

(al V V V (March 1096)	Remarks	Page
/ol.XXX (March, 1986) AEROMAGNETIC SURVEYS IN THE GEOGRAPHICAL SURVEY INSTITUTE	Minary TANIAKA W	1 14
	Minoru TANAKA, Kazuo	1-14
AND THE MAGNETIC ANOMALIES IN AND AROUND JAPAN	HIROISHI, Shinichi ANDO and	
NAME OF THE PARTY OF THE OWN T	Shoichi MATSUMURA	15.00
NUMERICAL EXPERIMENT ON ATMOSPHERIC DELAY IN RADIO	Masaru KAIDZU	15-23
INTERFEROMETRIC SURVEY	m.i.i.	25.45
ON THE FUNDAMENTAL CONCEPTIONS AND PURPOSE OF LAND USE MAP SERIES AT A SCALE OF 1:200,000	Takekazu AKAGIRI	25-45
ON THE ATLAS FOR REGIONAL PLANNING "ACTUAL CONDITIONS AND	Map Compilation Division,	47-58
CHANGING ASPECTS OF THE NATIONAL LAND IN JAPAN"	Department of Geographical Research	
RELATIONSHIP BETWEEN SEISMIC DISASTER AND GROUND CONDITION	Eisaku TSURUMI, Masakatsu	59-63
IN NOSHIRO AREA, AKITA PREFECTURE	HORINO, and Masataka OTA	
ol. X X X I (March, 1987)	, , , , , , , , , , , , , , , , , , , ,	
RESULTS OF ABSOLUTE GRAVITY MEASURMENTS BY GEOGRAPHICAL	Masaki MURAKAMI and Yoshiro	1-6
SURVEY INSTITUTE	NAKAHORI	1 0
THE STANDARDISATION OF DIGITAL MAPPING	Yoshihisa HOSHINO, Kazuo	7-35
THE STANDARDISATION OF DIGITAL MAITING	INABA, Tokio MIZUNO, Fumio	1-33
	HISAMATSU and Takashi	
	KIUCHI	
LAND LICE CUDVEY LICING LANDS AT THE MATERIAL PREP DATA		26.50
LAND USE SURVEY USING LANDSAT THEMATIC MAPPER DATA	Hiroshi MASAHARU and Izumi	36-50
DECLIFE OF COMPLETE OF ALL ATION BY A FRAME TRANSPILLATION	KAMIYA	51.71
RESULTS OF COMPUTER SIMULATION IN AERIAL TRIANGULATION	Shintaro YAGI	51-71
GEOMORPHOLOGICAL CHARACTERISTICS AND CAUSAL FACTORS OF THE	Masatoshi NAGAOKA	72-89
1984 ONTAKE LANDSLIDE CAUSED BY THE NAGANOKEN-SEIBU		
EARTHQUAKE		
DIGITIZATION AND UTILIZATION OF GROUND RELIEF DATA WITH CCPS	Akira Yaguchi, Akira Kinoshita,	90-98
	Hiroshi Murakami and Shoji	
	Okuyama	
Vol. X X X II (Nov., 1987)	•	
The 11th United Nations Regionar Cartographic Conference for Asia and the Pacific		
National Report		
CARTOCRADUIC WORK IN LABAN 1992 1997		1
CARTOGRAPHIC WORK IN JAPAN 1982-1985	Geographical Survey Institute, the	1-11
CARTOGRAPHIC WORK IN JAPAN 1982-1985	Geographical Survey Institute, the Ministry of Construction and	1-11
CARTOGRAPHIC WORK IN JAPAN 1982-1985	Ministry of Construction and	1-11
CARTOGRAPHIC WORK IN JAPAN 1982-1985	Ministry of Construction and Hydrographic Department,	1-11
	Ministry of Construction and	1-11
Technical Report	Ministry of Construction and Hydrographic Department, Maritime Safety Agency	
	Ministry of Construction and Hydrographic Department, Maritime Safety Agency	12-22
Technical Report THE STANDARDISATION OF DIGITAL MAPPING	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA	12-22
Technical Report	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI	
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA	12-22 23-29
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA	12-22 23-29 30-40
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki,	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI,	12-22 23-29
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA	12-22 23-29 30-40
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI,	12-22 23-29 30-40
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Vol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa	12-22 23-29 30-40
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Tol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Yol. X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Tol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA,	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Vol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Yol. X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI	12-22 23-29 30-40 41-50
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Yol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI	12-22 23-29 30-40 41-50 1-13 14-23 24-35
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan /ol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji Thematic Mapping Works for Seismic Prevention in Geographical Survey Institute, Japan The development of land use information in Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI Masatoshi NAGAOKA Takekazu AKAGIRI	12-22 23-29 30-40 41-50 1-13 14-23 24-35 36-45 46-64
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan /ol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji Thematic Mapping Works for Seismic Prevention in Geographical Survey Institute, Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI Masatoshi NAGAOKA Takekazu AKAGIRI Akira Yaguchi, Hiroshi Murakami	12-22 23-29 30-40 41-50 1-13 14-23 24-35 36-45
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan Yol. X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji Thematic Mapping Works for Seismic Prevention in Geographical Survey Institute, Japan The development of land use information in Japan Automatic Recognition of Road Information on Topographical Maps	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI Masatoshi NAGAOKA Takekazu AKAGIRI Akira Yaguchi, Hiroshi Murakami and Kozo Kamada	12-22 23-29 30-40 41-50 1-13 14-23 24-35 36-45 46-64 65-72
Technical Report THE STANDARDISATION OF DIGITAL MAPPING DIGITAL MAP INFORMATION IN JAPAN ON THE DETECTION OF CRUSTAL MOVEMENT BY VLBI Ground Tilt Observation by Means of a Long Water-tube Tiltmeter in Omaezaki, Shizuoka Prefecture, Japan /ol. X X X III (March, 1988) Systematic Distortion in Horizontal Net of North-Eastern Japan Induced by the Negligence of the Geoid Vertical Deflection in Japan Medium Scale Mapping Possibility Using LFC Data and SPOT Image Near Mt. Fuji Thematic Mapping Works for Seismic Prevention in Geographical Survey Institute, Japan The development of land use information in Japan	Ministry of Construction and Hydrographic Department, Maritime Safety Agency Yoshihisa HOSHINO, Kazuo INABA Yamato MIYAZAKI Koichi TSUKAHARA Yoshimitsu YOSHIMURA Noboru INOUCHI, Aiichiro YOSHIMURA and Tetsuro IMAKIIRE Makoto MURAKAMI and Akifusa ITABASHI Shouichi MATSUMURA Yoshikazu FUKUSHIMA, Hiroshi MURAKAMI Masatoshi NAGAOKA Takekazu AKAGIRI Akira Yaguchi, Hiroshi Murakami	12-22 23-29 30-40 41-50 1-13 14-23 24-35 36-45 46-64

Contents	Remarks	Page
Vol. X X X IV (March, 1989)		
The Orbit Determination of the Global Positioning System Satellites for Geodetic Applications: Developments and Results at the Geographical Survey Institute	Makoto MURAKAMI	1-111
Results of Absolute Gravity Measurements by Geographical Survey Institute (II)	Masaki MURAKAMI	112-118
Vol. X X X V (March, 1990)		
Geomagnetic Survey with the Triaxial Fluxgate Magnetometer	Mitsuo OTAKI,	1-9
	Koichi TSUKAHARA	
The Outline of the Sixth Earthquake Prediction Plan Of Japan	Planning division Crustal Dynamics Department	11-14
Time Dependent Peninsula Tectonics and Earthquake Prediction in Japan	Minoru TANAKA and Tetsuro IMAKIIRE	15-26
Digital Mapping of Japan's National Large-scale Maps	Sintaro YAGI, Akira KINOSHITA, Toshiyuki TERABAYASHI	27-30
Digital Color Orthophotomapping	Akira KINOSHITA, Mitsuo IWASE	31-33
A Research of Slope Failure Using Orthophotomaps	Takekazu AKAGIRI, Shunji NIWA, Katsuyoshi SUZUKI, Masami NEMOTO	35-45
Vol. X X X VI (March, 1991)		
Scale accuracy of geodetic network in Japan	Katsumi NAKANE	1-19
Results of Absolute Gravity Measurements by Geographical Survey Institute (III)	Yuki KUROISHI and Masaki MURAKAMI	21-31
Outline of Studies by the Geographical Survey Institute Presented in the ISPRS Commission IV Tsukuba Symposium	Topographic Department	33-37
On the Preparation of the National Atlas of Japan, Revised Edition	Map Compilation Division, Geographic Department	39-43
The Development and Present Stage of Automatic Compilation of Middle Scale Topographic Maps	Hidetoshi NAKAJIMA, Toshio NEMOTO, Yuji SUGIHARA, Toshiro SATO and Yutaka HONJO	45-52
Damage of Soil Liquefaction Caused by Earthquakes and Use of Geomorphological Maps	Takekazu AKAGIRI and Kazue WAKAMATSU Science and Engineering Research Laboratory, Waseda University	53-65
Large-scale Urban Base Mapping in Metro Manila Region Conducted under the Cooperation Between the Government of Japan and the Government of The Philippines -With Special Reference to Land Use Map and Land Condition Map-	Masatoshi NAGAOKA	67-75
On the Hybrid Observations of Crustal Deformation in Eastern Izu Peninsula	Y. Yoshimura, H. Hori, Y. Baba, M. Tanaka	79-88
Vol. X X X VII (March, 1992)	•	
Establishment of GSI's Regional GPS Tracking Network for Japan	Hiromichi TSUJI	1-14
Distribution of Liquefaction in the Saitama Plain by the 1923 Earth-quake and Geomorphological Maps	Takekazu AKAGIRI, Tamotsu SAITO and Tadao DOHI	15-25
Planimetric Observation Methods for Extremely Shallow Sea BottomsEstablishment of the Guide for Large-scale Topographic Mapping in Coastal Zones	Hiroshi UNE, and Seiichi TANIOKA	27-37
Three Dimensional Expression of the Terrain Using Digital Cartographic Data	Shintaro YAGI and Yoshiaki TAKAHASHI	39-49
Vol. X X X WII (March, 1993)		
Magnetic Charts for the Epoch 1990.0	First Geodetic Division	1-3
Fundamental Survey of the Coastal Sea Areas	Shozo KAJIKAWA	5-17
THE PREPARATION OF GEOGRAPHIC INFORMATION DATABASE AND ITS MODEL SYSTEMS	Kazuhiko Akeno	19-27
THE DEVELOPMENT OF UNDERGROUND MAPS	Kiyotaka MURAOKA, Masaharu TUZAWA, Noboru OHARA	29-37
Vol. X X X IX (March, 1993)		
Horizontal Crustal Movements Revealed by Geodetic Measurements -On the Methods for Estimating Horizontal Crustal Movements-	Kazuo KOMAKI	1-41
Geodetic Measurements Using Transportable VLBI of GSI	Mikio TOBITA, Shigeru MATSUZAKA, and Kousei OTOI	43-53

Contents	Remarks	Page
/ol. X X X X (March, 1994)		
Measurement of Absolute Gravity at Syowa Station, Antarctica	Satoshi FUJIWARA, Kazuo WATANABE and Yoichi FUKUDA Kyoto Uiversity	1-5
Precise Determination of the Geodetic Framework of Japan	Mikio TOBITA	7-36
Characteristics of Earthquake Damage Induced by the Flores Island Earthquake of 1992	Takekazu AKAGIRI	37-54
The Socio-Economic Impact of Rising Sea Levels	Takekazu AKAGIRI, Shunji MURAI Ryosuke SHIBASAKI Institute of Industrial Science University of Tokyo, Suvit VIBULSRESTH National Research Council, Takahito KUROKI, Toru NAGAYAMA, Shinji TAKAZAWA, Hiroaki KAKIUCHI Institute of Industrial Science University of Tokyo, Kenichi SHIBATA Kokusai Kogyo	55-70
Geomorphological Analysis on the 1888 Debris Avalanche of Bandai Volcano	Co. Ltd. Mamoru KOARAI, Masaharu TSUZAWA, Kazumasa HARAGUCHI, Minoru HOSHINO, Tatsuo SEKIGUCHI, Yasuyuki INAZAWA, Junko IWAHASHI, Tomoo OHTANI and Hiroko MIZUKOSHI	71-81
Vol.41 (March, 1995)	MIZUKOSIII	
Precise Gravimetric Determination of Geoid in the Vicinity of Japan	Yuki KUROISHI	1-93
Former Terrain Model of Bandai Volcano just before the 1888 Collapse as restored from Pre-collapse Maps		95-104
Establishment of Permanent GPS Observation Network and Crustal Deformation Monitoring in the Southern Kanto and Tokai Areas	Takeshi SAGIYA, Aiichiro YOSHIMURA, Etsuro IWATA, Kaoru ABE, Isao KIMURA, Kazuhiko UEMURA and Takashi TADA	105-118
Toponymic Guidelines for Map and Other Editors: Japan (Second Edition) The 13th United Nations Regional Cartographic Conference for Asia and the Pacific	Jun'ichi KANEKO, Takehide HISHIYAMA	119-124
National Report		
Cartographic Work in Japan 1990-1993	Geographical Survey Institute, the Ministry of Construction and Hydrographic Department, Maritime Safety Agency	125-136

Contents	Remarks	Page
Vol.42 (March, 1996)		
Temporal Changes of Geomagnetic Transfer Functions Using Data Obtained Mainly by the Geographical Survey Institute	Satoshi FUJIWARA	1-25
Establishment of the Nationwide GPS Array (GRAPES) and its Initial Results on the Crustal Deformation of Japan	Shin-ichi MIYAZAKI, Hiromichi TSUJI, Yuki HATANAKA, Yoshiaki ABE Chuou-kou Gakko, Aiichiro YOSHIMURA, Kozo KAMADA Ministry of Construction, Katsuhiro KOBAYASHI, Hitoshi MORISHITA, and Yuzaburo IIMURA	27-41
Combined Adjustment of GPS Observations and Geoid Heights	Katsumi NAKANE, Yuki KUROISHI	43-48
Standard Map Data for Evaluating Automatic Map Recognition Systems	Yamato TANAKA, Kozo KAMADA, Norishige KUBO, Kojiro UCHIYAMA, Kazuo INABA and Masaki MURAKAMI	49-56
Vol.43 (March, 1997)	•	
Vertical crustal movements in the coastal areas of Japan estimated from tidal observations	Shinzaburo OZAWA, Manabu HASHIMOTO and Takashi TADA	1-21
Expantion of GSI's Nationwide GPS Array	Shin-ichi MIYAZAKI, Takashi SAITO, Masahiro SASAKI, Yuki HATANAKA and Yuzaburo IIMURA	23-34
Expression of Three-Dimensional Space with Digital Cartographic Data and Computer Graphics Method	Takayasu OHTSUKA, Hidehisa TAKAHASHI, Yoshikazu FUKUSHIMA, Takashi ISAKA and Hiroshi MASAHARU	35-41
Global Mapping Seminar in Santa Barbara	Hiroshi MASAHARU	43-59
Digital Photogrammetric Systems Meeting the Criteria Specified by MOC/GSI, Japan for Automatic Elevation Extraction	Hiroshi MASAHARU, Susumu HATTORI Fukuyama University	61-65
Vol.44 (March, 1998)		
Establishment of Japan Gravity Standardization Net 1996	Hiroaki YAMAMOTO, Osamu NISHIMURA and Satoshi FUJIWARA	1-10
The Nationwide GPS Array as an Earth Observation System	Shin-ichi MIYAZAKI, Yuki HATANAKA, Takeshi SAGIYA and Takashi TADA	11-22
Crustal Movements as Earthquake Precursors -Leveling Anomaly Before the 1944 Tonankai Earthquake Revisited-	Takeshi SAGIYA	23-36
Wide Area Analysis of GPS Data in Antarctica	Akiko YAMADA, Kazushi MARUYAMA, Osamu OOTAKI, Akifusa ITABASHI, Yuki HATANAKA and Shin-ichi MIYAZAKI	37-43
Development of Digital Map 2500 (SDF) by the Geographical Survey Institute	Jun SATO	45-54
Photogrammetric Measurement of Three-Dimensional Ground Surface Displacement Around Nojima Fault caused by Hyougoken-Nanbu Earthquake	Hiroshi MURAKAMI and Minoru HOSHINO	55-62
History of Activities for Getting International Agreement on the Development of the Global Map	Hiromichi MARUYAMA	63-90

ontents	Remarks	Page
ol.45 (March, 1999)		
Realization of the Japanese Geodetic Datum 2000 (JGD2000)	Masaki MURAKAMI and Shoichi OGI	1-10
Monitoring Changes of the Earth's Electric Resistivity for Earthquake and Crustal Activity Research	Satoshi FUJIWARA, Toshihiro KADOWAKI and Hideo HAMAZAKI	11-18
Analysis of Environmental Change Using Satellite Imagery and GIS	Toshihiro KADOWAKI, Yoshikazu FUKUSHIMA, Hiromichi MARUYAMA, Hiroshi MASAHARU, Ryouichi KOJIROI, Kikuo HIRATSUKA, Keisuke KATSUTA, Tsutomu OTSUKA, Eiichi TAMURA, Kenji OTSUKA, Tsuneaki SHIMOJI, Yoshiyuki MIZUTA	19-30
A Nesting Site Analysis of the Red-crowned Crane in the Kushiro Wetland Using GIS	Katsuto NAKAGAWA, Emi ANDO, Hiroshi MURAKAMI, Masao KANAI, Ryozo ONOZUKA, Masayoshi MAEJIMA, Masaharu TSUZAWA, Noboru OBARA, Masataka OTA and Kiyotaka MURAOKA	31-37
ol.46 (March, 2000)	•	•
Status and Results of GSI Domestic VLBI Networks	Kazuhiro TAKASHIMA, Shinobu KURIHARA, Misao ISHIHARA, Keizo NEMOTO, Masao IWATA, Kousei SHIBA, Michiko ONOGAKI and Kyoko KOBAYASHI	1-9
The Motion of the Pacific Plate Determined by a GPS Network of Pacific Islands	Yasushi HARADA	11-15
Implementation of Global Mapping	Yoshikazu FUKUSHIMA	17-31
Developing a Three-Dimensional Digital Atlas using GOTOPO30	Shintaro YAGI	33-44
Automated Approach to Change Detection of Urban Buildings Using an Airborne Laser Scanner	Hiroshi MURAKAMI and Hiroyuki HASEGAWA	45-51

Contents	Remarks	Page
Vol.47 (March, 2001)		
Vol.47 (March, 2001) Tectonics in the Eastern Asia inferred from GPS observations	Shin'ichi MIYAZAKI, Shigeru MATSUZAKA, Kosuke HEKI Division of Earth Rotation, National Astronomical Observatory, Masaru KAIDZU, Yuki KUROISHI, Masaki MURAKAMI, Tetsuro IMAKIIRE, Takashi TADA, Koh NITTA, Hiroyuki NAKAGAWA, Akifusa ITABASHI, Masao KARASAWA, Osamu OOTAKI, Norihiko ISHIKAWA, Masayoshi ISHIMOTO, Hiroaki TAKAHASHI Minoru KASAHARA Institute of Seismology and Volcanology, Graduate School of Science, Hokkaido University,	1-12
Toward the Next Stage of the Global Mapping Project -Successful Completion of Phase 1 with Release of Global Map Version 1.0-	Ki-Dok An National Geography Institute. Hiroshi UNE	13-19
Development of Prototype Systems for Managing Spatio-temporal Information	Hidekazu HOSHINO, Norishige KUBO, Takeshi IIMURA, Akihiro IKEDA and Gousuke IITA	21-27
Slope Gradation Maps as a Useful Tool for Detecting Landform Features	Izumi KAMIYA and Hiroshi P. SATO	29-34
Current Status of Land Subsidence in Japan	Hiroshi P. SATO	35-45
Vol.48 (March, 2002)		
Collaboration between Japan and Kenya for Establishment of Kenya Institute of Surveying and Mapping	Yoshihisa HOSHINO, Hiromichi MARUYAMA, and Hiromichi TSUJI	1-16
First Precise Results of VLBI Observation of the Baseline in Antarctic Plate	Yoshihiro FUKUZAKI	17-24
Searching for Silent Earthquakes with Geodetic Data	Takeshi SAGIYA	25-38
The Development of the New Management System "NTIS" for Topographic Map Information	Hiroyuki OHNO, Yoshiyuki MIZUTA, Kiyoaki NAKAMINAMI and Takeshi ISHII	39-48

Contents	Remarks	Page
Vol.49 (March, 2003)		
Development of a New Japanese Geoid Model, "GSIGEO2000"	Hiroyuki NAKAGAWA, Kojin WADA, Tadayuki KIKKAWA, Hisao SHIMO, Hisashi ANDOU, Yuki KUROISHI, Yuki HATANAKA, Hiromi SHIGEMATSU, Kazuyuki TANAKA, Yoichi FUKUDA Department of Geophysics, Graduate School of Science, Kyoto University.	1-10
Improvement of the Analysis Strategy of GEONET	Yuki Hatanaka, Toyohisa Iizuka, Masanori Sawada, Atsushi Yamagiwa, Yukie Kikuta, James M. Johnson Christian Rocken University Corporation for Atmospheric Reserch/GPS Science and Technology	11-37
A Recent Result of Topographic Measurements by the GSI's Airborne SAR: A Case Study of the Volcanic Island of Miyake-jima	Jun SATO	39-46
Mapping of Micro Topography on Hill Slopes Using Airborne Laser Scanning	Tatsuo SEKIGUCHI, Hiroshi P. SATO, Seiji ICHIKAWA, Ryoichi KOJIROI	47-57
Publicity Activities of Global Mapping at Johannesburg Summit and Outcomes of the Summit	Hiroshi MASAHARU and Minoru AKIYAMA	59-69
Changing in the Name of the "Japan Sea"	Takehide HISHIYAMA and Masatoshi NAGAOKA	71-86
ol.50 (March, 2004)	•	
Summary of Global Mapping Forum 2003 in Okinawa and its Outcomes	Hidetoshi NAKAJIMA	1-6
Special Issue: The 16 th United Nations Regional Cartographic Conference for Asia and the	he Pacific (The 16 th UNRCC-AP)	
Spatial Data Infrastructure Work in Japan 2000-2003	Government of Japan	9-26
Technical Cooperation in Surveying, Mapping and Charting by Japan	Geographical Survey Institute, Hydrographic and Oceanographic Department, Geological Survey of Japan/ National Institute of Advanced Industrial Science and Technology, Ministry of Land, Infrastructure and Transport, Japan International Cooperation Agency	27-32
The New Geodetic Reference System of Japan -Its adoption and application to our products-	Geographical Survey Institute	33-36
Recent Volcanic Disaster Countermeasures Taken by GSI	Geographical Survey Institute	37-40
Promotion of Global Mapping Project -Activities of the ISCGM Secretariat and Japanese Government-	Yoshihisa HOSHINO, Hiromichi MARUYAMA, Hiroshi MASAHARU, Mitsuo IWASE, Toru NAGAYAMA, Otohiko SHIMIZU and Hidenori FUJIMURA	41-48
General Contents on the Bulletin of the Geographical Survey Institute	Geographical Survey Institute	49-62
	1 - 1	