

Contents

1. Preface.....	1
2. JAXA activities	2
2.1 Activities involving earth observation satellites.....	2
2.1.1 Satellite image utilization in disaster management	2
2.1.2 Details of emergency observations by Daichi	5
2.1.3 Image analysis by JAXA.....	7
2.1.4 Cooperation with from overseas institutions.....	22
2.1.5 Product provision and utilization by users for disaster management	35
2.1.6 Aerial SAR observation.....	48
2.1.7 Field survey results.....	50
2.1.8 Summary	56
2.2 Communications satellite-based activities	58
2.2.1 KIZUNA (WINDS).....	58
2.2.2 KIKU No. 8 (ETS-VIII).....	67
2.2.3 Summary	79
3. JAXA activities as viewed by other institutions.....	85
3.1 JAXA-related media coverage	85
3.2 Usage of JAXA satellite by other institutions	86
3.2.1 Earth observation satellite-based activities.....	86
3.2.2 Communication satellite-based activities	91
4. Challenges and future tasks.....	92
4.1 Challenges.....	92
4.1.1 Challenges concerning satellite image provision	92
4.1.2 Challenges concerning support for disaster areas based on communication line provision	93
4.1.3 Challenges concerning the dispatch of information	94
4.2 Future tasks	95
4.2.1 Basic idea behind the provision of support for disaster areas	95
4.2.2 Improvements to be made for satellite image provision.....	95
4.2.3 Improvements to be made in the provision of communication lines.....	97
4.2.4 Improvements to be made concerning information dispatch.....	99
4.2.5 Development of disaster response manuals.....	99
5. Summary	100

