



TECHNOLOGY DEVELOPMENT CENTER NEWS



CONTENTS

| | |
|---|---|
| The 2nd CRL TDC Symposium | 1 |
| Proceedings of the 2nd CRL TDC Symposium (Kashima, September 20, 2002) | |
| An evaluation of positioning error estimated by the mesoscale non-hydrostatic 2 model – Preliminary report – <i>Ryuichi Ichikawa, Hiromu Seko, and Michael Bevis</i> | |
| Holographic measurement of Kashima 34-m radio telescope surface accuracy 3 – Preliminary report – <i>Hiroshi Ohkubo, Tetsuro Kondo, Ikuto Yonezawa, and Hiro Osaki</i> | |
| Dependence of correlation dimension of QSO radio wave intensity time series 5 on red shift <i>Md. M. R. Khan and N. Tanizuka</i> | |
| S-band RFI problems at Kashima 34-m antenna and a passive filter for mitigation 9 <i>Eiji Kawai, Hiroshi Ohkubo, Junichi Nakajima, and Jun Amagai</i> | |
| Measurements of harmful interferences in the HF-UHF bands caused by extension of power line communication bandwidth 12 <i>Fuminori Tsuchiya, Hiroaki Misawa, Tomoyuki Nakajo, Ichiro Tomizawa, Junichi Nakajima, Masatoshi Ohishi, Takayuki Ono, and Akira Morioka</i> | |
| Advancement of Versatile Scientific Sampling Processor (VSSP) 16 <i>Hiro Osaki</i> | |
| VLBI observations using IP-VLBI system for orbit determination of deep 18 space spacecraft – Group delay measurements of GEOTAIL and NOZOMI telemetry signals – <i>Testuro Kondo (kondo@crl.go.jp), Ryuichi Ichikawa, Yasuhiro Koyama, Mamoru Sekido, and Hiro Osaki</i> | |

(continued on inside front cover)

| | | |
|---|-------|-----------|
| International e-VLBI experiments | | 23 |
| <i>Yasuhiro Koyama, Tetsuro Kondo, Junichi Nakajima, Moritaka Kimura, Hisao Uose, and Sotetsu Iwamura</i> | | |
| Yamaguchi 32m radio telescope and an on-line observation system | | 27 |
| <i>Kenta Fujisawa</i> | | |
| Development of compact VLBI system | | 29 |
| <i>Ikuto Yonezawa, Junichi Nakajima, Hiroshi Ohkubo, Masato Tsuboi, and Takashi Kasuga</i> | | |
| The implementation of the PC based Giga bit VLBI system | | 31 |
| <i>Moritaka Kimura and Junichi Nakajima</i> | | |
| VLBI development merge into to PC commodity | | 34 |
| <i>Junichi Nakajima, Moritaka Kimura, Yasuhiro Koyama, Hiro Osaki, and Tetsuro Kondo</i> | | |
| Current status of the VERA | | 36 |
| <i>Osamu Kameya, Hideyuki Kobayashi, and the VERA team</i> | | |
| VSOP-2, a next generation space-VLBI mission | | 38 |
| <i>Yasuhiro Murata, Hisashi Hirabayashi, and members of Space VLBI WG</i> | | |
| | | |
| - News - News - News - | | |
| Farewell ceremony of Kashima 26-m antenna | | 41 |