

NATIONAL RADIO ASTRONOMY OBSERVATORY  
SOCORRO, NEW MEXICO

July 3, 1987

To: Recipients of VLBA Memos

From: Betty Trujillo

Subject: Distribution of VLBA Memos

The following is a list of all VLBA memos distributed during January-June, 1987. I plan to begin issuing monthly lists as part of the main memo series. They will include a tear-off form for ordering individual copies of memos.

Main Series

- 588 King, Dale. Observer's Interface To The VLBA.
- 589 Thompson, Dick. VLBA Electronics Meeting, January 8, 1987.
- 590 Romney, J.D., A.R. Thompson, R. C. Walker.  
VLBA Systems Group Meeting, November 20, 1986.
- 591 Walker, Craig. Effects of Using Green Bank.
- 592 Wade, Cam. Site Group Meeting, January 28, 1987.
- 593 Granlund, John. VLBA Fringe Phasing Error.
- 594 Heald, Ron, Ray Gonzales. VLA/VLBA User Interface Style.
- 595 Wade, Cam. Site Group Meeting, March 25, 1987.
- 596 Oty J., P. Rhodes, D. Ross. Station Building RF Test.
- 597 Wade, Cam. Site Group Meeting, May 27, 1987.
- 598 Thompson, A.R. Periodic Signal Errors and The FX Correlator.
- 599 Williams, C. VLBA Teleconference Schedules.

Acquisition Memos

- 76 Roger, Alan E. E. The Radio Shack TRS-80 Model 100 Portable Computer for Check-out of VLBA Hardware Requiring MCB Communications.

- 77 Rogers, Alan E. E. Checks and Diagnostics of I.F.  
Processing Electronics.
- 78 Rogers, Alan E. E., D. Bagri. Revisions to Signal Levels in  
VLBA Receiving System.
- 79 Rogers, Alan E. E. 4-level Sampling and Baseband Conversion  
AGC.
- 80 Rogers, Alan E.E. I.F. Distributor and Baseband Converter  
Evaluation and Modifications.
- 81 Webber, John C., Hans F. Hinteregger. Tape for the VLBA.
- 82 Rogers, Alan E.E. Changes to MCB Protocol for the Baseband  
Converter and I.F. Distributor.
- 83 Rogers, Alan E.E. Minutes of the VLBA Recorder Group  
Meeting.
- 84 Rogers, Alan E.E. Digital Gain Control - Improved Phase  
Performance.
- 85 Rogers, Alan E.E. Tests of the Switched Power or  
"Synchronous" Detectors in the I.F. Distributors  
and Baseband Converters.
- 86 Rogers, Alan E.E. Adjustments Which may be Required to the  
Checkout of the VLBA Baseband Converters.
- 87 Rogers, Alan E.E. Minutes of the VLBA Recorder Group  
Telecon held 6 May 1987.
- 88 Rogers, Alan E.E. The Effect of Bias Current Fluctuation  
on the Phase Noise of a FET Oscillator.

#### Correlator Series

- 76 Benson, John. Simulations of the Digital Lobe Rotators.
- 77 Benson, John. Tests of the VLBA FX-style FFT.
- 78 Schwab, Fred. Data Windowing and the FX Correlator.
- 79 Romney, Jonathan D. FX Correlator Workshop
- 80 Romney, Jonathan D. Spectral- vs. Lag-Domain Correlation:  
Comparison of Fundamental Hardware Requirements.
- 81 Whitney, A.R., J.I. Levine, E.F. Nesman, A.E.E. Rogers.  
Design for a Large VLBI Correlator Using the "Bos"  
Correlator Chip.

- 82 Granlund, John. VLBA Fringe Phasing Error.
- 83 Romney, Jonathan D. Multi-Level Fringe Rotation.
- 84 Escoffier, Ray, Joe Greenburg, Chuck Broadwell.  
VLBA Correlator Hardware Simulator.
- 85 Thompson, A.R. Periodic Signal Errors and the FX  
Correlator.
- 86 Escoffier, Ray. VLBA Correlator Cost Estimates.

Electronics Series

- 87 Thompson, A.R. VLBA Electronics Meeting, January 6, 1987.
- 88 Thompson, A.R. VLBA Electronics Meeting, February 3, 1987.
- 89 Norrod, R, R. Simon. CTI Model 22 Test Chronology.
- 90 Dill, H., R. Latasa. Recommendations for the Model 22  
Refrigerator.
- 91 Thompson, A.R. VLBA Electronics, Meeting, March 3, 1987.
- 92 Thompson, A.R. VLBA Electronics Group Meeting, April 7,  
1987.

Operations Series

- 12 Bignell, C. VLBA Operations Meeting of January 15, 1987.

To: B. Trujillo  
NRAO  
P.O. Box 0  
Socorro, NM 87801

From: \_\_\_\_\_  
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Date

Please send me the following VLBA Memos:

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