

NATIONAL RADIO ASTRONOMY OBSERVATORY
Charlottesville, Virginia

January 10, 1986

To: Recipients of VLBA Memos
From: Carolyn Williams
Subject: Distribution of VLBA Memos

Attached is a list of all VLBA memos distributed during April-December, 1985. (VLBA Memo No. 443, dated April 3, 1985, was the last published listing.) 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.

Please help me stay organized by filling in the form below and returning it to me. No response will indicate your desire to be removed from the VLBA mailing list.

_____ I wish to continue receiving VLBA memos.

_____ Main series only.

_____ All series.

_____ Other, please specify _____

_____ I wish to receive the monthly listings only.

Name

VLBA MEMOS DISTRIBUTED APRIL-DECEMBER, 1985

Main Series

- 438 Walker, Craig. Antenna in Green Bank.
- 439 Ewing, Martin. Graphics for Engineering and Operations.
- 440 Thompson, Dick. VLBA Electronics Meeting, March 7, 1985.
- 441 Peery, Buck. Conf./Site Meeting 850320.
- 442 Thompson, Dick. VLBA Electronics Meeting, April 4, 1985 - Discussion of the Front-End Monitor and Control System.
- 443 Williams, Carolyn. VLBA Memo Lists.
- 444 Cotton, W. D. and J. D. Romney. Data Processing Meetings 19 Feb and 19 March 1985.
- 445 Norris, R. P. A Proposal for Tape Recorders for the AT LBA.
- 446 Oty, Jim. RFI Survey for the VLBA Ft. Davis, Texas Site.
- 447 Brown, R. L. Wind Data at the 12-Meter Site.
- 448 Brown, R. L. Wind Data in the Tucson Area.
- 449 Rogers, Alan E. E. and Don C. Backer. Proposed Pulsar Support Modes.
- 450 Hogg, David E. A Study of the Water Vapor Fluctuations at Selected Sites in Hawaii.
- 451 Cotton, W. D. Data Processing Meeting 16 April 1985.
- 452 Romney, Jonathan D. VLBA Observing Modes.
- 453 Thompson, Dick. VLBA Electronics Meeting, May 2, 1985.
- 454 Walker, Craig. Review of 30 April 1985 Computer Coordination Meeting.
- 455 Oty, Jim. RFI Survey for the VLBA North Liberty Radio Observatory Site, Iowa City, Iowa.
- 456 Cotton, W. D. Data Processing Meeting 14 May 1985.
- 457 Walker, Craig. Review of 21 May 1985 Computer Coordination Meeting.

- 458 Peery, Buck. Conf./Site Meeting 850417.
- 459 Peery, Buck. Conf./Site Meeting 850522.
- 460 Williams, Carolyn. VLBA Telephone Meeting Schedules for July-December, 1985.
- 461 Thompson, Dick. VLBA Electronics Meeting, June 13, 1985.
- 462 Shapiro, Irwin. Pulsars, the Ionosphere, and the VLBA.
- 463 Walker, Craig. Effect of Wind on Pointing.
- 464 Wade, C. M., R. C. Walker and G. M. Peery. The Arizona VLBA Site.
- 465 Peery, Buck. Conf./Site Meeting 850626.
- 466 Walker, Craig. Review of July 2, 1985 Computer Coordination Meeting.
- 467 Thompson, Dick. VLBA Electronics Meeting, July 11, 1985.
- 468 Clark, B. G. Software Related Standards for the VLBA Project.
- 469 Romney, Jonathan D. The VLBA Database.
- 470 Walker, Craig. Closure Errors.
- 471 D'Addario, Larry R. Gain Calibration Techniques.
- 472 Rogers, Alan E. E. Correlated Flux Calibration Techniques for VLBA.
- 473 Romney, Jonathan D. The VLBA Options List.
- 474 Kellermann, K. I. September 6 Scientific Group Meeting - Options List.
- 475 Kellermann, K. I. Notes on UK - Hawaii Remote Telescope Operations.
- 476 Peery, Buck. Conf./Site Meeting 850731.
- 477 Norris, R. P. The VLBA Data Acquisition System Report and its Impact on the AT.
- 478 Ewing, Martin. Macintosh Workstations for VLBA - Functional Overview.
- 479 Benson, John. Digital Filtration Stages in the Correlator.

- 480 Wade, Cam. Site Group Meeting 850828.
- 481 Walker, Craig. Construction Arrays.
- 482 Walker, Craig. Alternative to OVRO.
- 483 Ewing, Martin. VLBA Telecommunications (response to VLBA Memo No. 475).
- 484 Thompson, Dick. VLBA Electronics Meeting, September 5, 1985.
- 485 Romney, Jonathan D. Selection Criteria for the VLBA Database.
- 486 Seielstad, George. Cost Savings.
- 487 D'Addario, Larry R. Phase Calibration Techniques.
- 488 Crane, Patrick C. The Response of the Very Long Baseline Array to Interfering Signals.
- 489 Kellermann, K. I. Pie Town Test Procedures.
- 490 Kellermann, K. I. Notes on September 6 Science Group Meeting.
- 491 Rogers, Alan E. E. Suggested Specifications for "Antenna Fringe Rotation" Module.
- 492 Rogers, Alan E. E. Low Fringe Rates - are they a problem?
- 493 Clark, B. Cable Wrap Centering for the VLBA.
- 494 Oty, Jim. RFI Survey for the VLBA North Central Washington Site, Okanogan Valley, Washington.
- 495 Oty, Jim. RFI Survey for the VLBA Owens Valley Radio Observatory, Bishop, California.
- 496 Rogers, Alan E. E. Compatibility Between the Present VLBA Design for the Data Acquisition System (DAS) and the MkIIIA Data Acquisition Terminal (DAT).
- 497 Walker, Craig. Review of 24 September 1985 Computer Coordination Meeting.
- 498 Bignell, Carl. VLBA Operational Manpower and Building Space Requirements.
- 499 Wade, Cam. Site Group Meeting, 850925.

- 500 D'Addario, Larry R. Bandwidth Expansion Paths.
- 501 Thompson, Dick. Electronics Meeting, October 3, 1985.
- 502 Clark, B. G. and L. R. D'Addario. Proposal for Device Determination of Standard Interface Addressing.
- 503 D'Addario, L. R. Assignment of Equipment to Racks in the Station Building.
- 504 D'Addario, L. R. Timekeeping at the VLBA Stations.
- 505 Clark, B. G. Observation Descriptor.
- 506 Peery, Buck. Station Building Design Changes; Meeting with A/E.
- 507 Thompson, Dick. Electronics Meeting, November 7, 1985.
- 508 Romney, Jonathan D. Decision Scheme for Phase and Delay Tracking.
- 509 Wade, Cam. Site Group Meeting, 851023.
- 510 Clark, B. VLBA Station Timekeeping - An Alternative.
- 511 Dill, H. VLBA Tasks for Vertex and Station Room Design.
- 512 Wade, Cam. Site Group Meeting, 851120.
- 513 Rogers, A. E. E. and D. S. Robertson. Dual Band (S/X) Bandwidth Synthesis with 8 Channels.
- 514 Thompson, Dick. VLBA Electronics Meeting, December 5, 1985.
- 515 Romney, Jonathan D. Third VLBA Design Review.
- 516 Clark, B. Standard Interface Boards.
- 517 Hinteregger, Hans F. and J. C. Webber. Humidity and Temperature Control.
- 518 D'Addario, Larry R. Bandwidth Synthesis vs. Channelization.
- 519 Oty, Jim. RFI Survey for the VLBA Locations on the Island of Hawaii, Hilo, Hawaii.
- 520 Wade, Cam. Site Group Meeting, 851218.
- 521 Williams, Carolyn. VLBA Teleconference Schedules.

Acquisition Memos

- 37 Rogers, Alan E. E. Some Suggestions on RF-Pulse Phase and Delay Calibration.
- 38 Rogers, Alan E. E. Minutes of VLBA Recorder/Acquisition Group Telecon Held 10 April 1985 at 1600 EST.
- 39 Romney, Jonathan D. The DPS/Correlator Control Interface.
- 40 Petrachenko, William T. Preliminary VLBA Format Proposal #1.
- 41 Petrachenko, William T. Across Track Parity.
- 42 Rogers, Alan E. E. et al. VLBA Data Acquisition and Playback Systems Design and Cost Estimate.
- 43 Rogers, Alan E. E. Minutes of VLBA Recorder/Acquisition Group Telecon held 8 May 1985 at 1600 EDT.
- 44 Rogers, Alan E. E. Minutes of VLBA Data Acquisition Group Telecon held 19 June 1985 at 1600 EDT.
- 45 Rogers, Alan E. E. Minutes of the VLBA Data Acquisition Group Telecon Held 17 July 1985 at 1600 EDT.
- 46 Rogers, Alan E. E. I. F. Processing Electronics - Preliminary Design.
- 47 Rogers, Alan E. E. Active Low Pass Filters for Baseband Converters.
- 48 Rogers, Alan E. E. Suggested VLBA Bandpass.
- 49 Rogers, Alan E. E. Minutes of Data Acquisition/Recorder Group Telecon Held 14 August 1985 at 1600 EDT.
- 50 Rogers, A. E. E. VLBA Bandpass and Closure Phase Errors.
- 51 Rogers, Alan E. E. Extending the Baseband Bandwidth of the Baseband Converter to 16 MHz.
- 52 Rogers, Alan E. E. Cost of Increased Data Rates in Acquisition and Playback.
- 53 Rogers, Alan E. E. Suggested Interfaces to the Data Acquisition System (DAS).
- 54 Rogers, A. E. E. Minutes of Data Acquisition and Playback Group Telecon Held at 1600 EDT, 18 September 1985.

- 55 Rogers, Alan E. E. Proposed Use of Miniature Coaxicon Contacts.
- 56 Rogers, Alan E. E. Minutes of VLBA Data Acquisition/-Recorder Group Telecon held 23 October 1985 at 1300 EDT.
- 57 Rogers, Alan E. E. Minutes of Recorder/Acquisition Group Telecon held 13 November 1985 at 1600 EST.
- 58 Rogers, Alan E. E. Susceptibility of VLBA Data Acquisition System to Interference in the I.F. (500-1000 MHz) Band.
- 59 Rogers, Alan E. E. Minutes of the Acquisition/Recorder Group Telecon Held 11 December 1985 at 1600 EST.

Coordination Committee Memos

- 50 Sebring, P. CC Meeting Notes, March 29, 1985.
- 51 Sebring, P. Notes on CC Meeting, 1985 April 5.
- 52 Sebring, P. Notes on CC Meeting, 1985 April 12.
- 53 Sebring, P. Notes on CC Meeting 19 April 1985.
- 54 Porter, B. Notes on CC Meeting, 26 April 1985.
- 55 Sebring, P. Notes, CC Meeting, 1985 May 3.

Correlator Memos

- 40 Romney, Jonathan D. Per-Station Phase Computation Reconsidered.
- 41 Ewing, Martin et al. Architectural Design for the VLBA Correlator.
- 42 Romney, Jonathan D. The DPS/Correlator Control Interface.
- 43 Fort, Dave and Steve Kator. ECA Input Connections.
- 44 Fort, Dave. Per Station Delay and Phase Accuracy.
- 45 European VLBI Consortium. European VLBI Data Processing Facility for the 1990's.
- 46 Ewing, Martin. Meeting with Austek, 6 June.

- 47 Ewing, Martin. Correlator Option List.
- 48 Ewing, Martin. Pulsar Window Generator (revised).
- 49 Ewing, Martin. Phase/Delay Specification - philosophy.
- 50 Ewing, Martin. Revised Phase/Delay Specification.
- 51 Kator, Steve. The Data Concentrator.
- 52 Kator, Steve, Dave Fort and Martin Ewing. Subsystem Estimates.
- 53 Kator, Steve, Tim Pearson and Martin Ewing. Computing Load for SMP.
- 54 Ewing, Martin et al. Response to NRAO Review of Correlator Architecture.
- 55 Fort, David and Martin Ewing. Signal Switching.

Electronics Memos

- 41 Thompson, Dick. VLBA Electronics Meeting, April 4, 1985 - Discussion of the Front-End Monitor and Control System.
- 42 Norrod, R. VLBA Vertex Room Interfacing.
- 43 Weinreb, S. Front-End Monitor and Control.
- 44 Thompson, Dick. Meeting on Front-End Interface, April 30, 1985.
- 45 Thompson, Dick. VLBA Electronics Meeting, May 2, 1985.
- 46 Kriss, R. A. CTI Model 21/22 Cryogenic Refrigerator Progress Report.
- 46a Clark, Tom. Cryogenics for VLBA.
- 47 Thompson, Dick. VLBA Electronics Meeting, June 13, 1985.
- 48 Thompson, Dick. VLBA Construction for the Period 1985-6.
- 49 Thompson, Dick. VLBA Electronics Meeting, July 11, 1985.
- 50 Schlecht, Erich. Thermal Behavior of External Front Ends.
- 51 Thompson, Dick. VLBA Electronics Meeting, September 5, 1985.

- 52 Thompson, Dick. Electronics Meeting, October 3, 1985.
- 53 Weber, D. Notes on Distribution of the M/C Bus.
- 54 Moffet, Alan. Interference from Current Loops and Interference from Line Drivers.
- 55 Thompson, Dick. Electronics Meeting, November 7, 1985.
- 56 Weinreb, S. Front-End Design Changes.
- 57 Thompson, Dick. VLBA Electronics Meeting, December 5, 1985.

Please send me the following VLBA memos: _____

Name

Address

Date