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: VLBA CORRELATOR MEMORANDUM NO. 004 :  
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To: VLBA Correlator Group

Date: 14 Nov. 1983

From: Martin S. Ewing

Subject: Relevant VLBA Memos for Correlator Group

Attached is a list of a subset of the VLBA Memo Series that has particular relevance for our work. I am making up a set of copies of these memos for myself and will be happy to distribute a limited number of these sets to people who are directly involved in the correlator project. Let me know if you need one.

In the future, I hope that all correlator memos will be distributed first through the the correlator series. If they are of wider interest (dealing with scientific, interface, or management issues), they will be reprinted in any other appropriate memo series.

List of VLBA Memos 100 - current - relevant to Correlator Project

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No.	Author	Subject (shortened)
110 C	Ewing	VLBA Overall Dataflow
111 C	Rogers	Numbers of Channels for VLBA: Comparisons of 2 Schemes
112 C	Rogers	Elimination of "bit-shift" sidelobes
114 C	Ewing	Correlator Group Minutes of 8/10
115 C	Rogers	Data Acquisition Minutes of 8/10
116 C	Burns	Minutes of Computer Group 8/5
117 C	Peterson	VLSI Circuit
118 C	Peterson	Application of VLSI Circuit
119 C	Hvatum	Minutes of Overseer Group 8/13
120 C	Clark	Frequency Multiplexed Correlators/Format
121 C	Clark	Data System Block Diagram
125 C	Shaffer	Astrometric Data Processing
126 C	Benson	Post-Processing Software System/Continuum
127 C	Reid	Spectral Line Experiment Sample
130 C	Ewing	Correlator Minutes of 5 Oct., 1982
137 C	Escoffier	Record/Playback preliminary specifications
140 C	Rogers	Proposed Recorder Interface
141 C	Rogers	Some Suggested Changes to Mk III
142 C	Ewing	IF-Tape-Correlator Interfaces
145 C	Ewing	Minutes of Correlator Group Meeting 11/9/82
148 C	Shaffer	The Pro's and Con's of Frequency Switching
151 C	Walker	Number of IF Bands
153 C	Walker	VLBA Software Requirements
158 C	Rogers	Minutes of VLBA Recorder group 12/7/82
162 C	Pearson	VLBA Data Structures
164 C	Rogers	"Channelization"
167 C	Cotton	The ALPS Database Structure and the VLBA
168 C	Rogers	Minutes of Recorder Group Meeting 1/19/83
175 C	Benson	Tables of Contents for Station Obs. Logs
176 C	Ewing	Draft Correlator Specification
179 C	Clark	Some Remarks about 3-level Sampling
180 C	Ewing	Minutes of Correlator Group 2/15/83
183 C	Ewing	Misc. Correlator Issues
184 C	Ewing	Correlator "176" vs an "ideal" system
185 C	Rogers	Minutes of Recorder Group 2/15/83
186 C	Rogers/Whitney	Multi-level sampling Options for VLBA
192 C	Thompson	Signal Quantization in the VLB Array
196 C	Clark	Report of Ad Hoc Committee on Sampling and Channels
197 C	Rayhrer	VLB Array Memo No. 176
199 C	Rogers	Minutes of Recorder Group Meeting - 3/15/83
202 C	Clark	Bandwidth Synthesis with Two Channels
204 C	Cotton/Benson	Time and Frequency Averaging
214 C	Walker	Processor Operations
217 C	Benson/Cotton	Timing Tests of Fringe Processor Operations
223 C	Burns	Minutes of Computer Meeting 4/26/83
230 C	Ewing	Correlator Operations - Tape Changing
242 C	Rogers	Recorder Group Meeting 6/15/83
247 C	Rogers	Recorder Group Meeting 7/12/83
253 C	Rogers	Sources of Closure Errors. MkIII vs VLBA
268 C	Ewing	Minutes of DA & C Meeting 9/13/83
270 C	Whitney/Rogers	Loss Factors in VLBI Correlator
277 C	Rogers	Minutes of Recorder Group Meeting - 11 Oct 83
281 C	Ewing	Correlator Memo Series
283 C	Walker	Fractional Bit Shift and Short Baselines