

VLB ARRAY MEMO No. 516

(851216)

To: VLBA Device designers

From: B. Clark

Subj: Standard interface boards

Date: 85dec05

We shall be ordering parts for the Pie Town build of standard interface boards very shortly. To order them we need to know the quantities of single- and double-ended A/D converters we need. Please convey that information to me or to Wayne Koski as soon as possible.

My conception of the standard interface requirements are given below.

Device	Number req	Type	Designer
Vertex room front ends	7 (or 8?)	?	Thompson
Prime focus front end	1	?	Thompson
LO transmission system	1 (or 2?)	?	Thompson
2-16 GHz synthesizer	2	?	Mauzy
LO and IF transfer switches	1 (or 2?)	?	?
IF distributors	4	?	Rogers
IF Converter/Filter/Digitizer	8	?	Rogers
Maser	1	?	Thompson
Antenna Control	1	S?	D'Addario?
Subreflector Positioner	1	S?	Weber
Weather Station	1	S?	Weber
Pulse calibration system	1?	?	?
Station timing generator	1?	?	D'Addario/Clark
Tape transport control	2?	?	Rogers
Phase rotator	0?		
Formatters	0?		
Cryogenics compressors	0?		
Monitors for power, A/C, etc.	0?		
Feed defroster control	0?		