

Suspended Observing Jan 2010

Four objectives

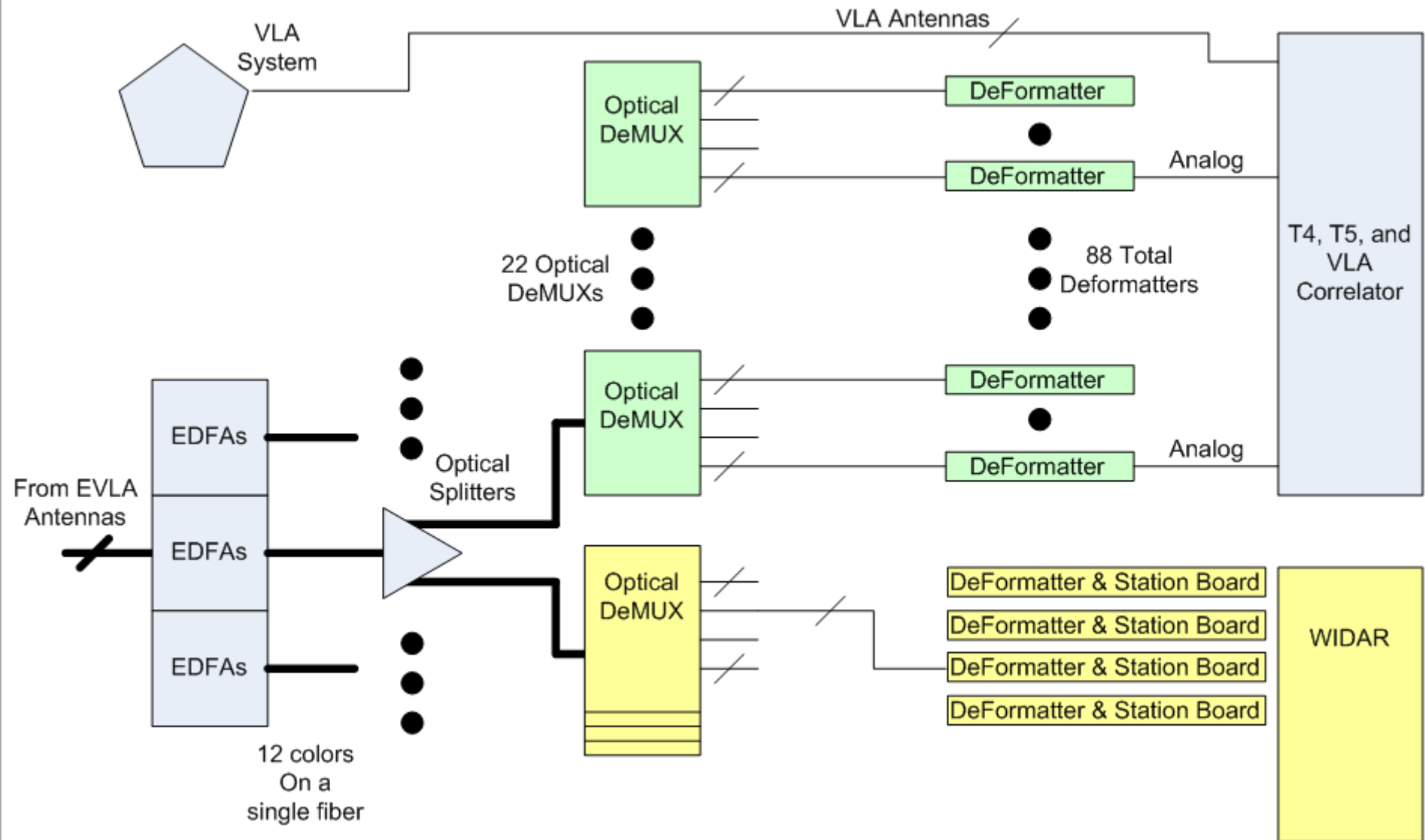
1. Transfer the IF signal path from VLA to WIDAR correlator
2. Rebuild the IF distribution racks (2)
3. Rework the LO central racks (3)
4. Overhaul & outfit the MLO rack (1)

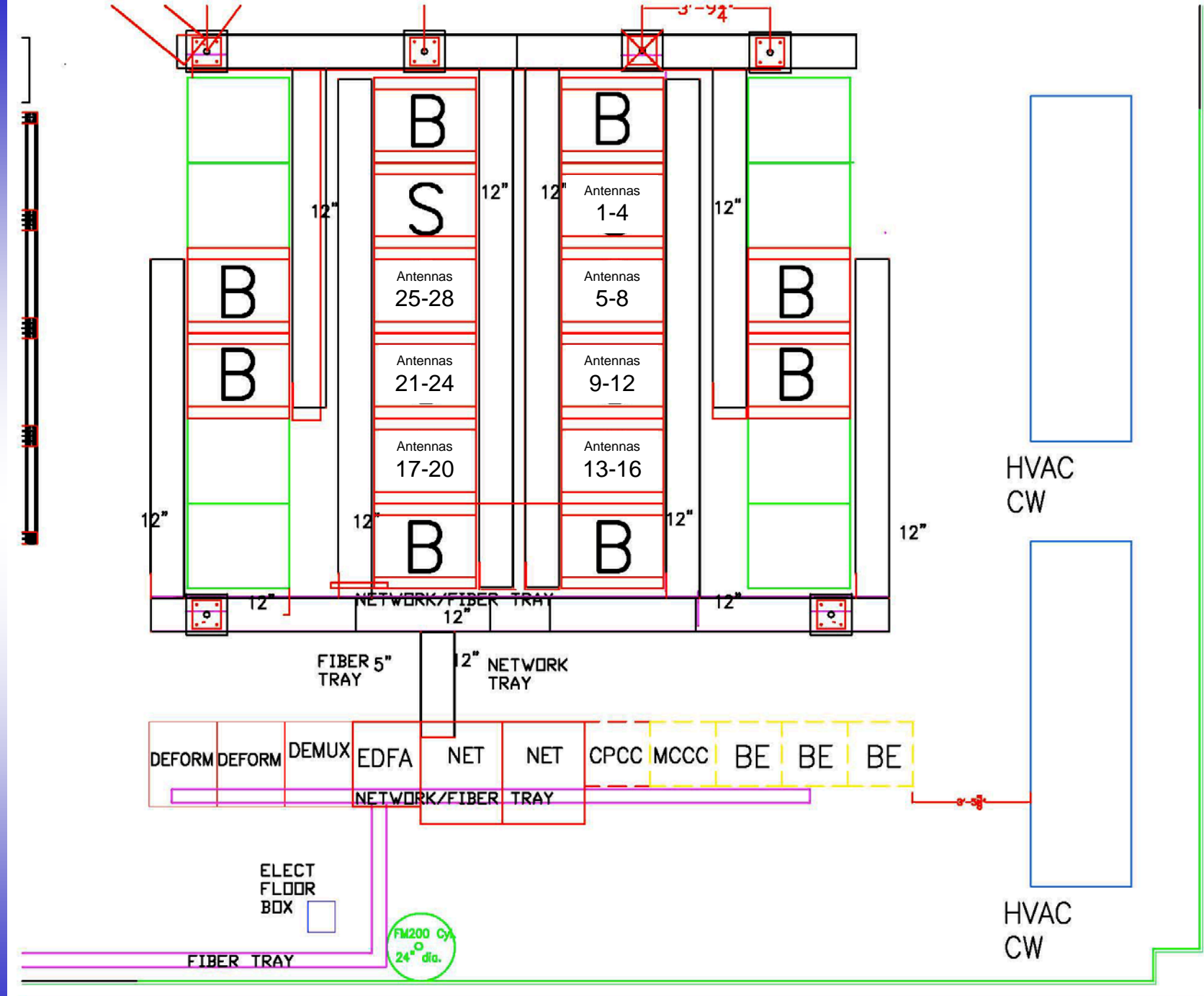
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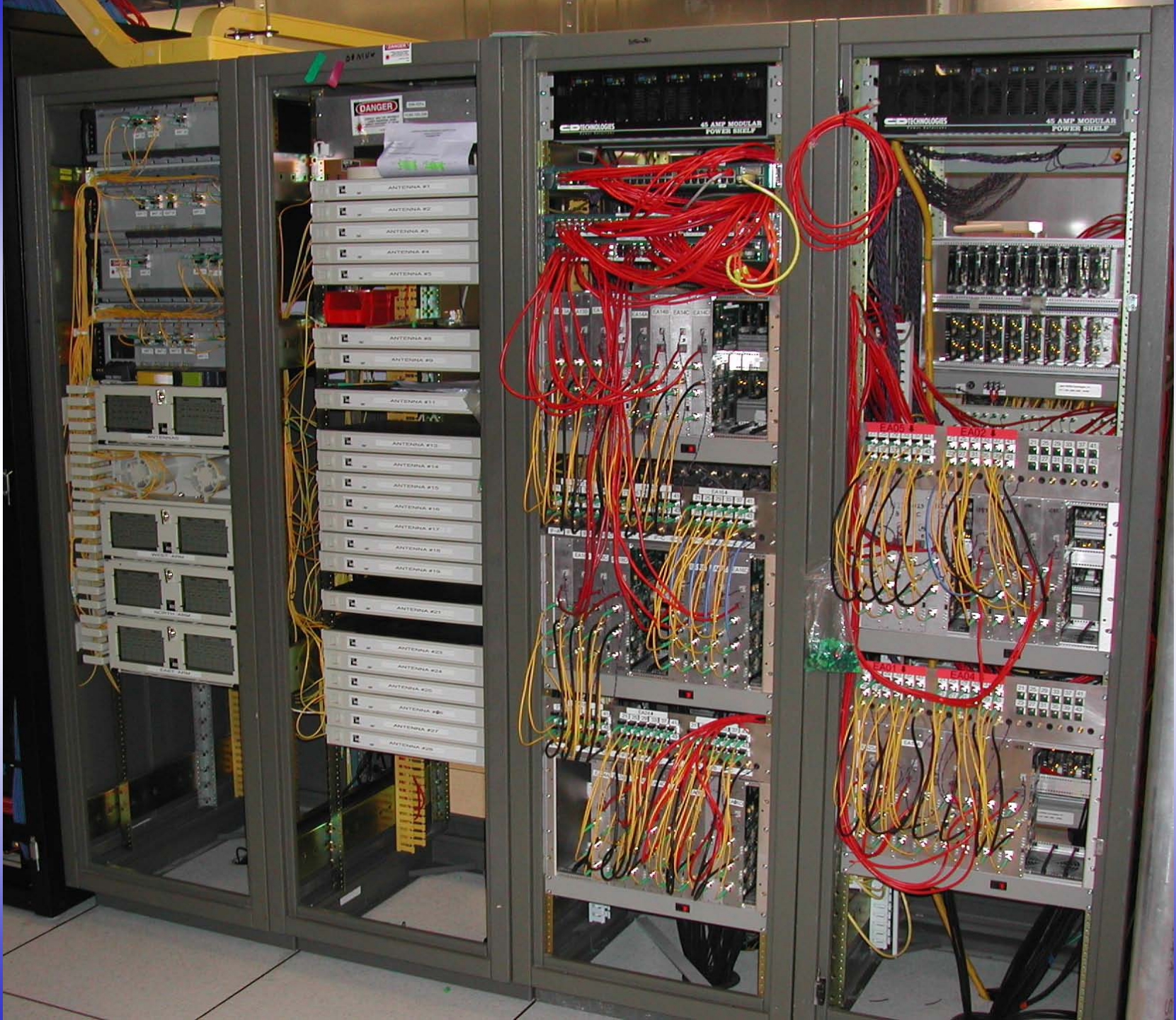
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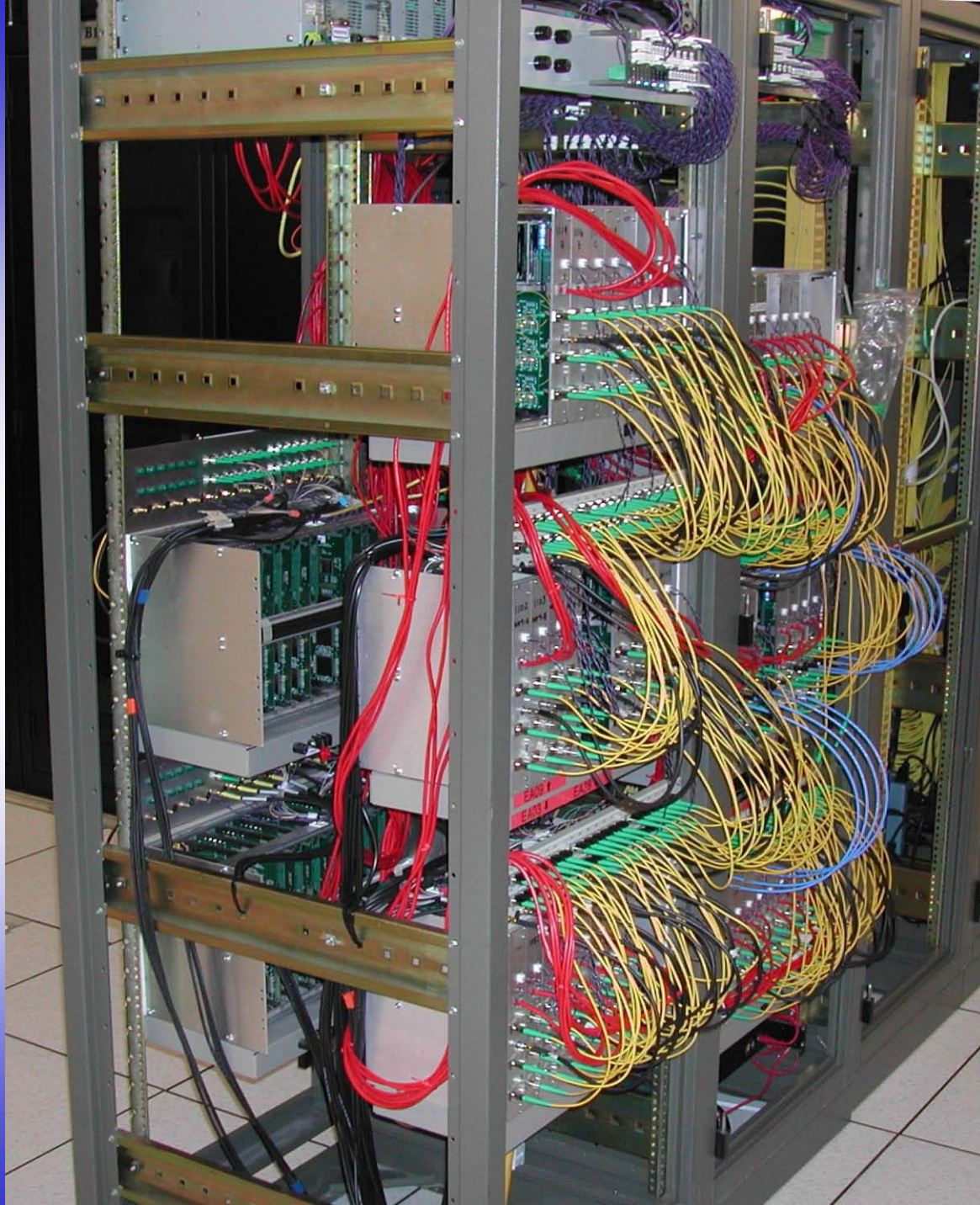
1. Transfer the IF signal path from VLA to WIDAR correlator
 1. Move Deformatter boards to Station Boards
 2. Move optical Demuxs to Widar Racks
2. Rebuild the IF distribution racks (2)
3. Rework the LO central racks (3)
4. Overhaul & outfit the MLO rack (1)

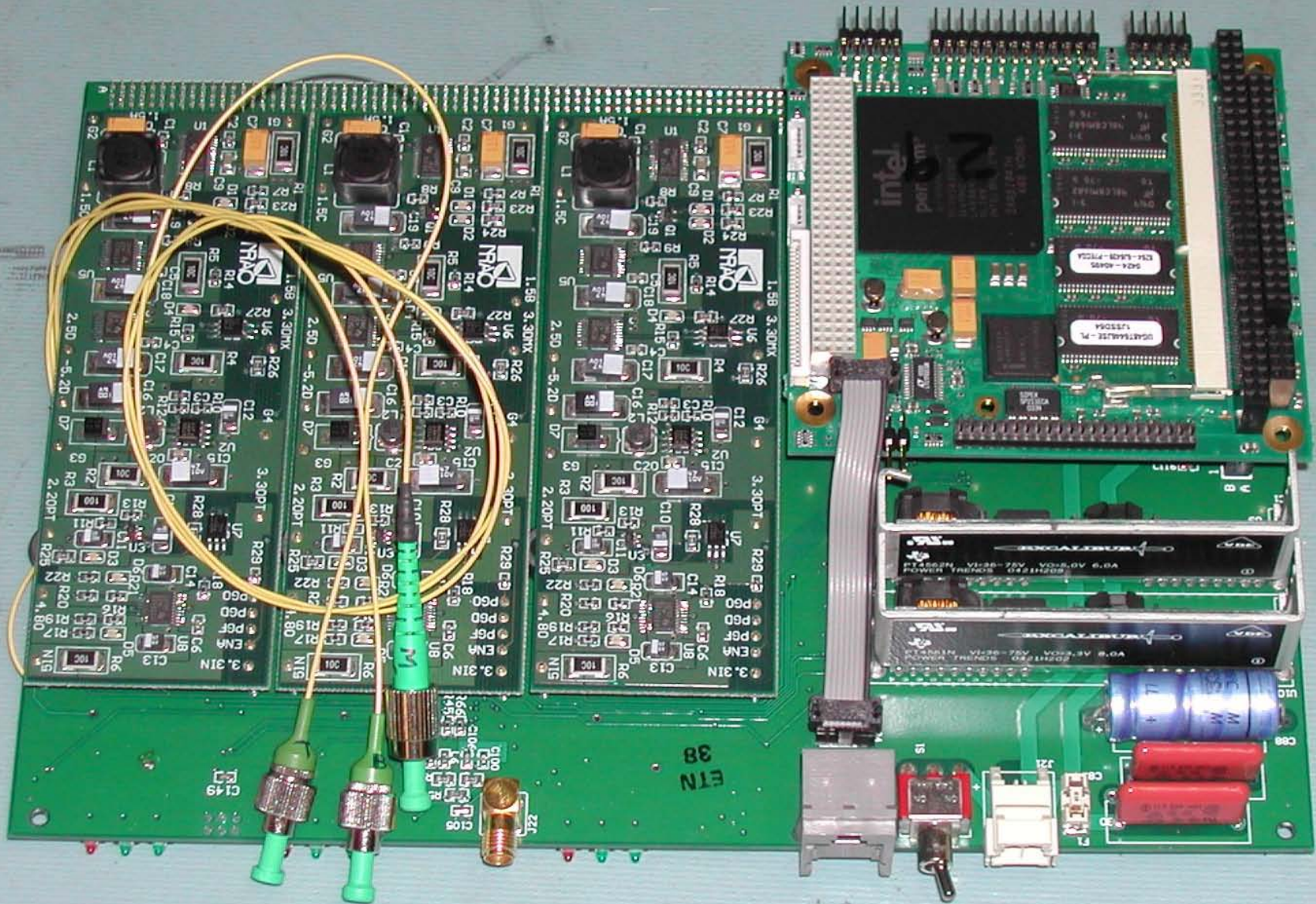
Current Correlator Configuration

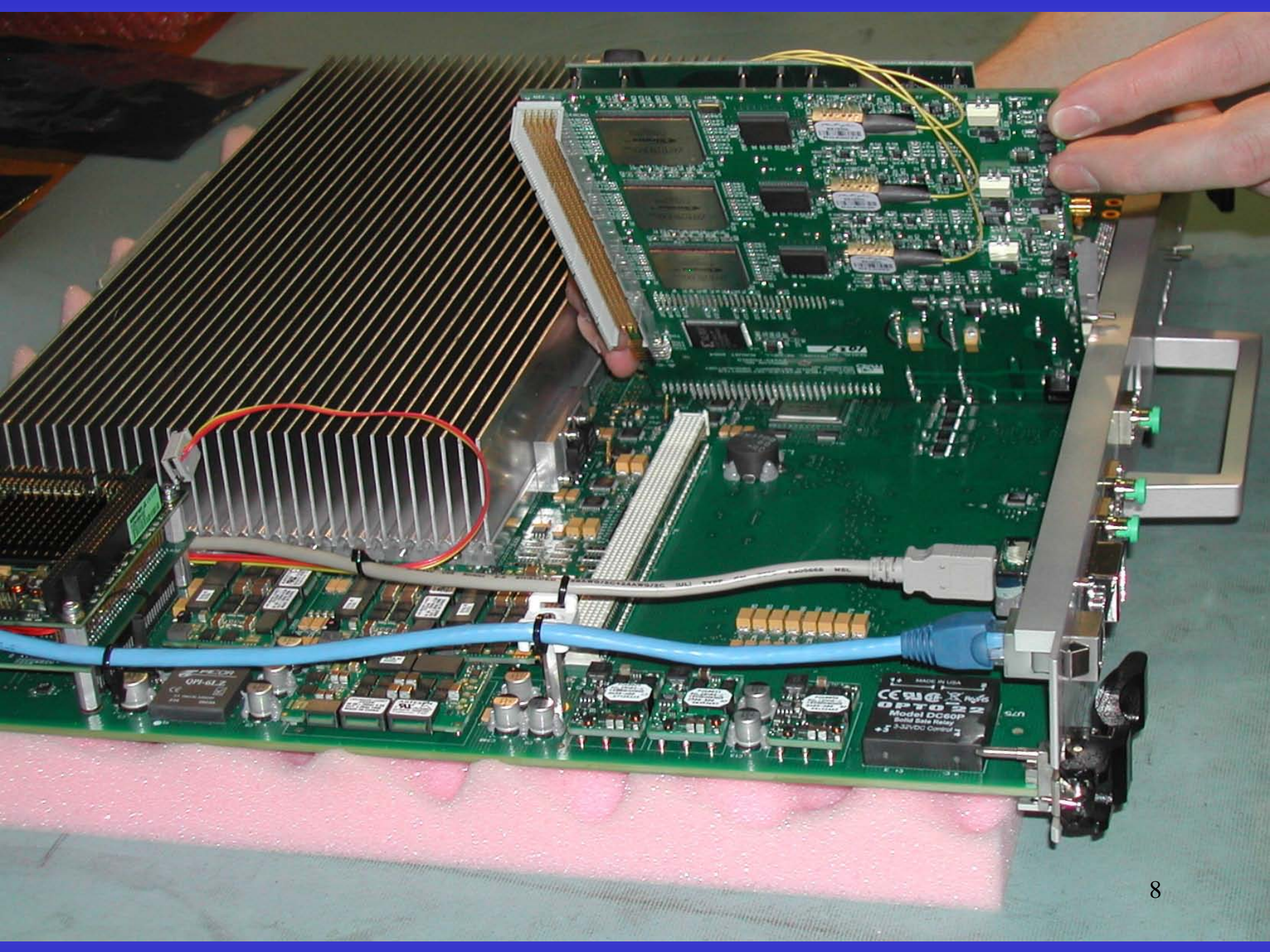




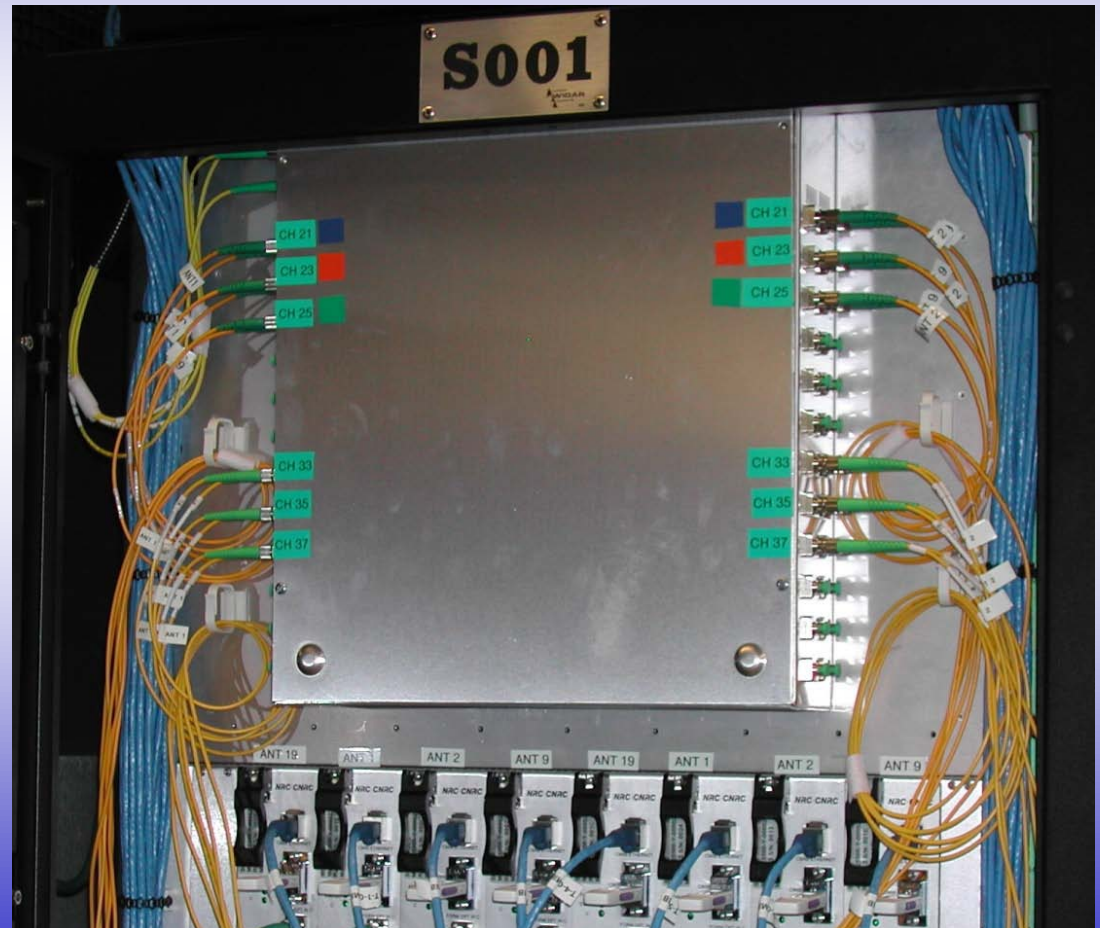


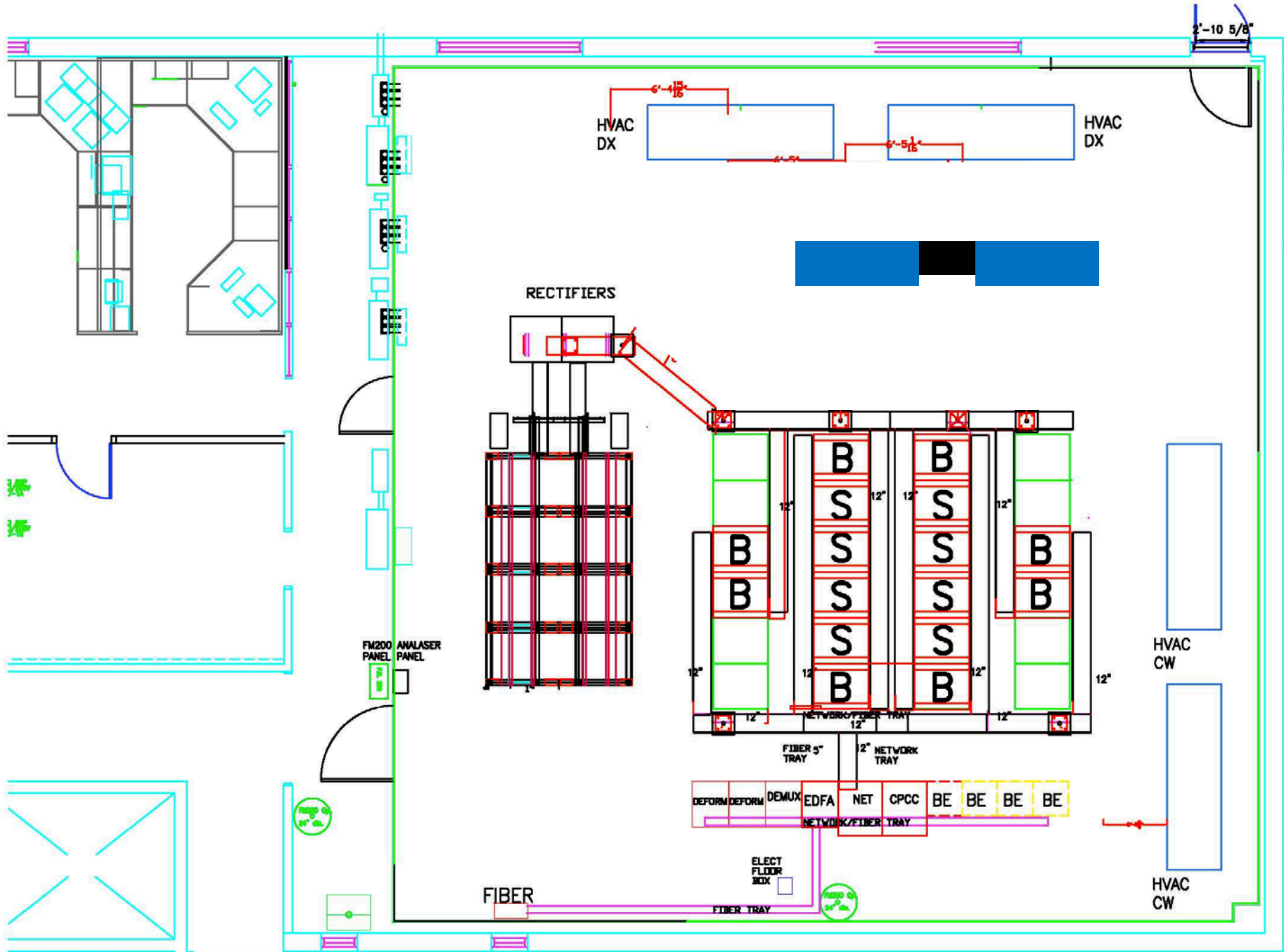






Move DEMUXs to WIDAR Racks

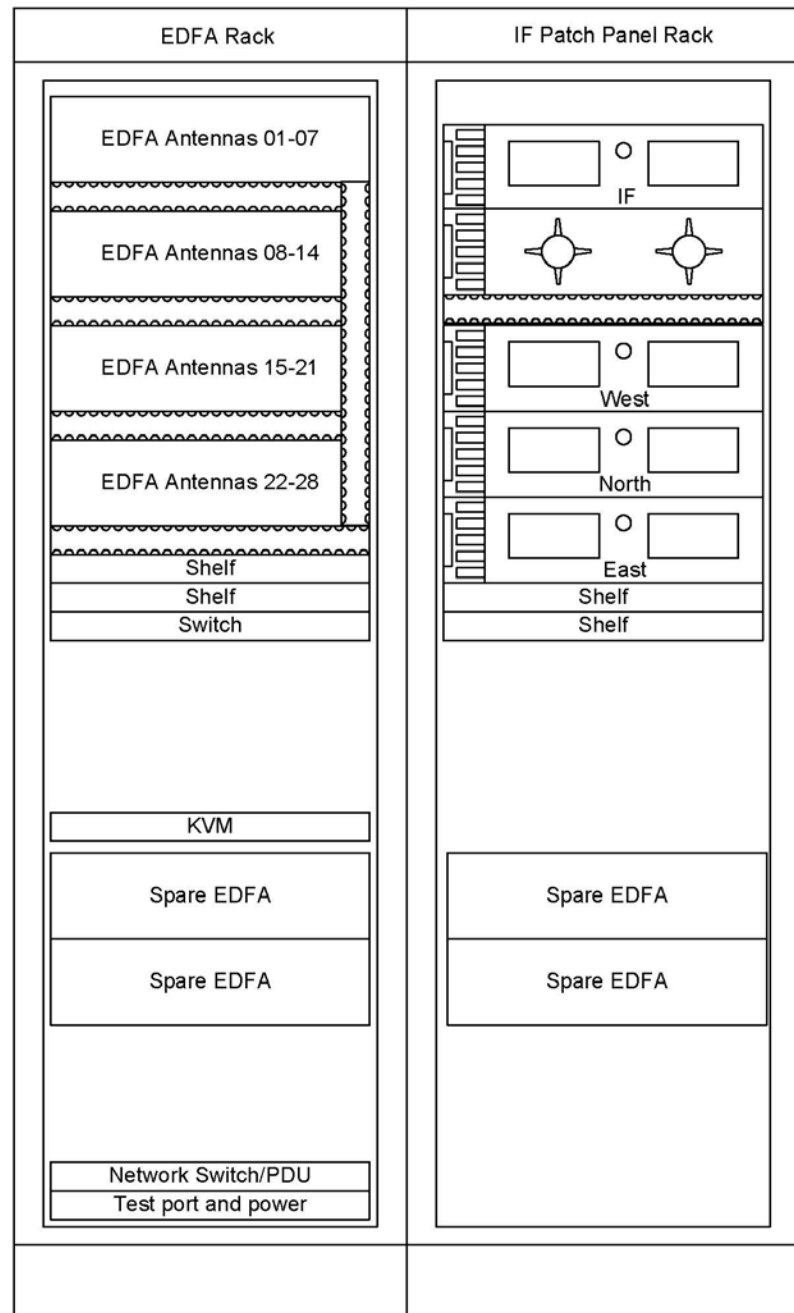
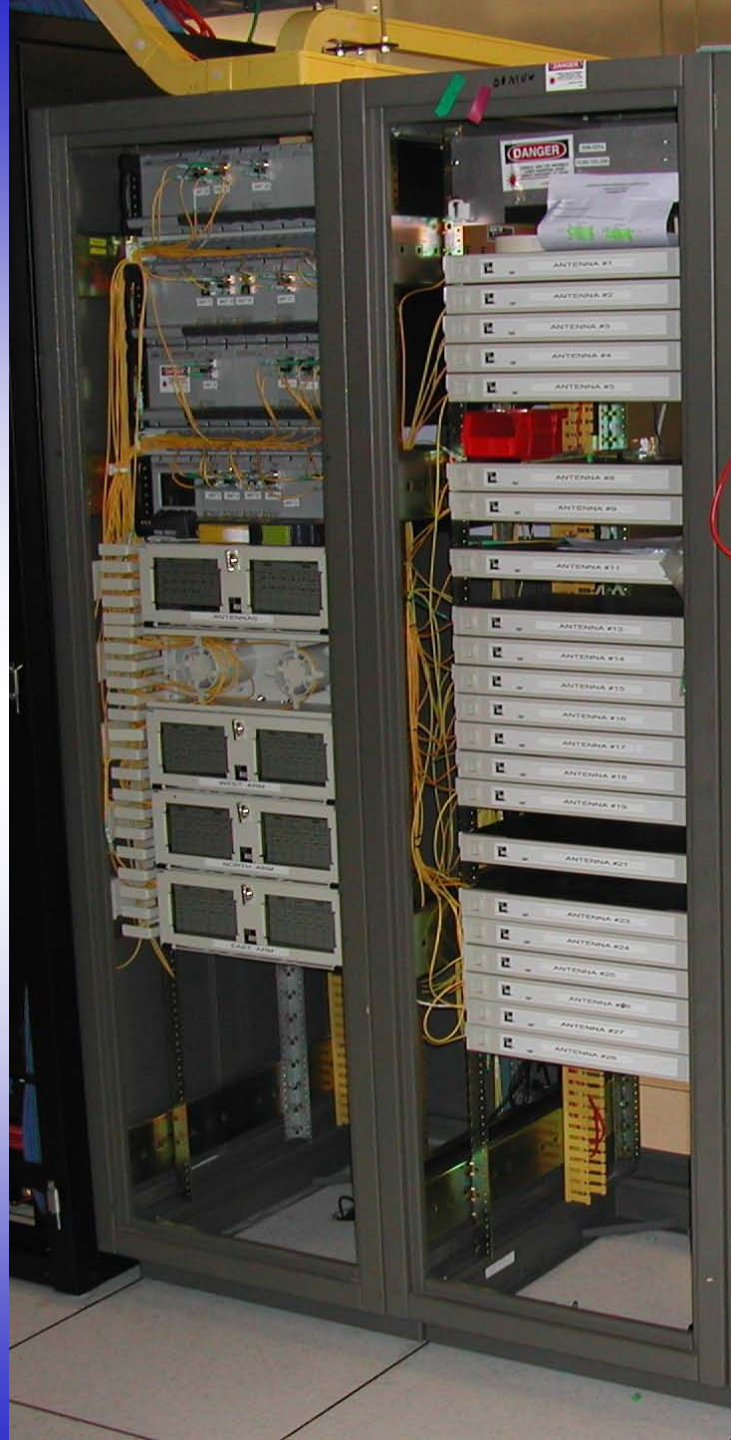


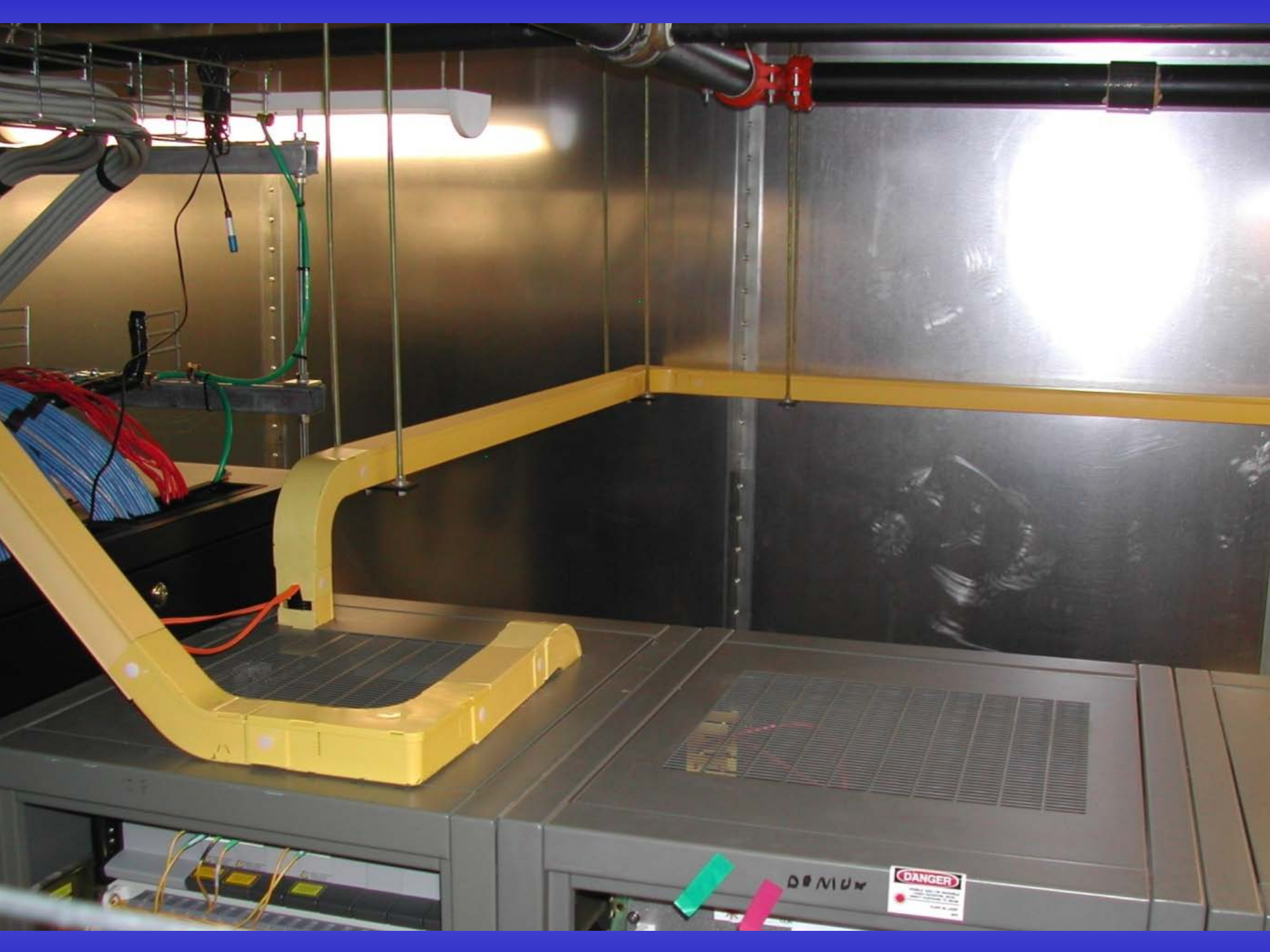


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2. Rebuild the IF distribution racks (2)
3. Rework the LO central racks (3)
4. Overhaul & outfit the MLO rack (1)





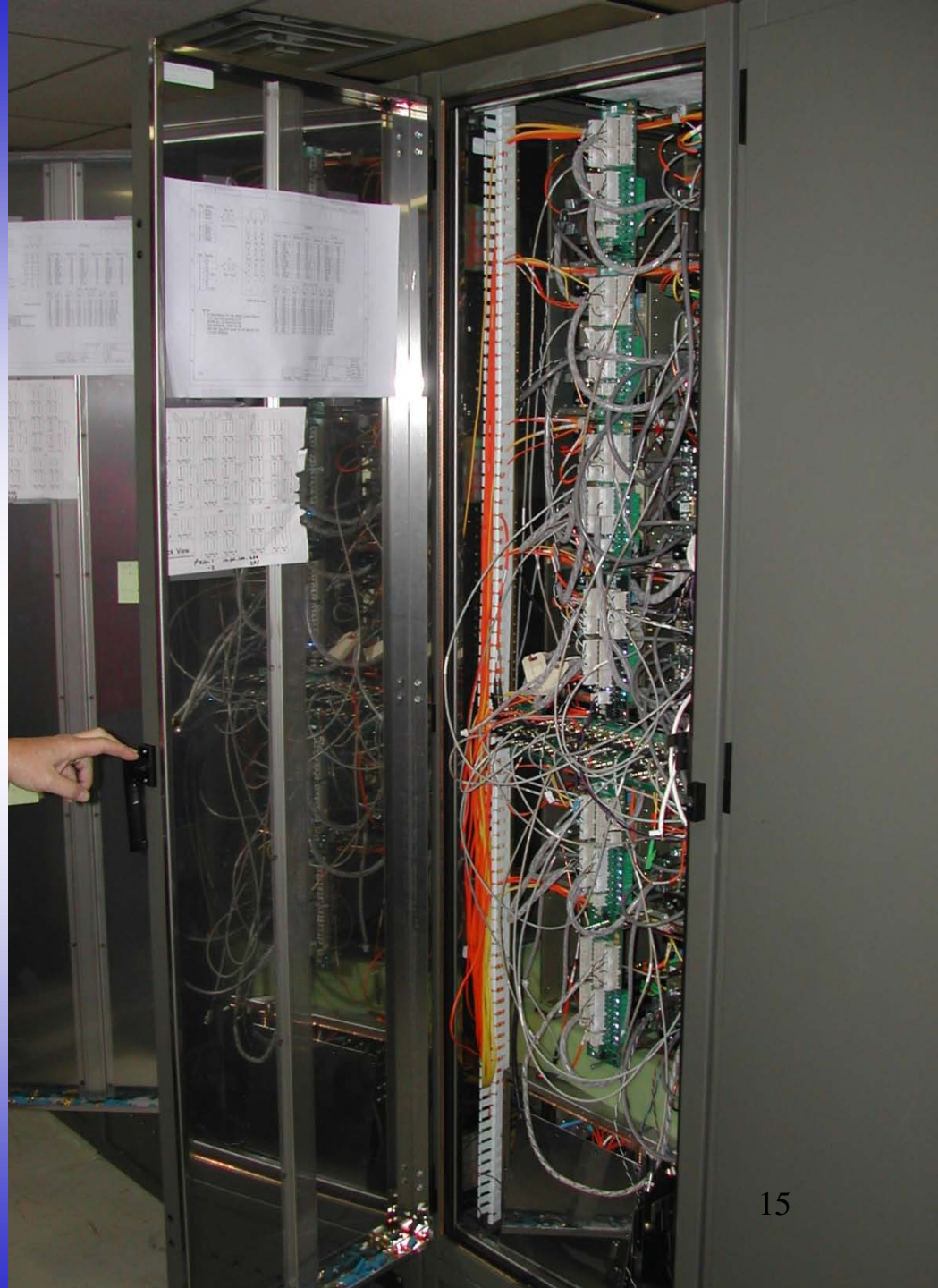
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LO Rack Rework

- Remove all LO modules
- Reposition module bins
- Reroute/install semi-rigid coax
- Install proper wiring harnesses (8 new harnesses being built)
- Install new power distribution
- Install & test new P351s
- Clean up cable routing and fiber installation
- Ensure proper airflow in racks



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MLO Rack Overhaul

- Remove all MLO modules
- Reposition module bins
- Install new feed through panels
- Install semi-rigid coax
- Install new wiring harnesses (harnesses being built)
- Install new power distribution
- Install & test new P350s
- Install and test new L350s, L356, L357, L358, and L359s



MLO Rack

Overhaul (cont.)

- Install two GPS receivers and associated cabling (including two media converters)
- Install rubidium and cabling
- Clean up fiber routing and test new fiber runs (two 12 fiber cables installed and connected to properly configured switch)
- Install AC power filters for GPS, Rubidium, media converters
- Ensure proper airflow in rack



Miscellaneous

- L305 modules need to be upgraded in all antennas for 10/20 Hz timing
- A new GPS antenna needs to be installed on roof and cabling run to MLO rack
- Shut down of VLBA racks and unused VLA hardware
- Remove WWV antenna and cabling
- Should newer Maser be put online

January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
	Set up equipment					
10	11	12	13	14	15	16
	Electronics Division					
17	18	19	20	21	22	23
	Hardware work					
24	25	26	27	28	29	30
	Electronics Division					

February

31	1	2	3	4	5	6
	Hardware testing and checkout					
7	8	9	10	11	12	13
	WIDAR Correlator					
14	15	16	17	18	19	20
	Testing					
21	22	23	24	25	26	27
	Testing					20

Critical Systems

	Powered Down	Down then up	Remains ON
VLA Correlator			
Widar Correlator			
CBE Computers			
Archive (VLA/WIDAR vis data)			
CPCC computer			
VLBA Equipment			
D Racks			
H Maser			
Rubidium			
Master LO System			
IF (DTS) System			
GPS			
CMP			
Weather Station			
API			
Serial Line Controller			
Computers outside Correlator Room			
Fire Alarms			
Wyemon			
LWDA networking			