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 Subject: draft computing budget

Please find appended a draft computing budget for 98-00 for discussion in the Coord meeting tomorrow. I have mainly focused on Socorro (+ some Tucson) purchases, let me know in the meeting (or by email) of items missing or required at other sites. Comments on the "Unknown" items would also be appreciated.

TB

Computing Hardware Requirements - 1998--2000

1998

3 Desktop machines (3 new hires)	22500 (note 0)
1 Server level machine (MMA web/document server)	10000 (note 1)
1 Array control/Database machine	10000
1 Antenna control computer (e.g. VME crate)	10000
1 Notebook/laptop machine	4000
2 Laserprinters (high volume)	6000
Misc. hardware (network devs, cabling, storage, UPS)	20000 *
Software (VXworks, Commercial database, CASE tools, cross compilers etc.)	50000 * (note 2)

1999

1 Desktop machine (1999 hire)	7500
1 Antenna control computer (VME #2)	10000
Misc. hardware (network, cabling, storage, UPS)	10000 *
Upgrades (disks/memory)	5000
Software	8000 *

2000

1 Desktop machine (2000 hire)	7500
Misc. hardware (network, cabling, storage, UPS)	10000 *
Upgrades (disks/memory)	5000
Software	8000 *

Unknowns

 -Hardware/Software maintenance contracts included in purchases?
 -1 Desktop machine + Software - BIMA?
 -1 Desktop machine + Software - OV?

-MCB hardware/software included here or in Antenna budget?
-1998-99 First Light correlator control computer/software?
-1999-00 MMA correlator control computer/software?
-1999-00 Folkers/Hagan workstations?
---->\$50k?

current	203500
1998-2000	

* => highly uncertain

note 0: Purchase based on recommendation of NRAO desktop replacement committee, currently considering \$4-6k machines.

note 1: I propose to centralize both the web serving and project document exchange at one site (likely Tucson). Server includes additional disks + DAT drive (similar additions for Array control/Database machine)

note 2: Assuming \$35k for new VxWorks system. NRAO existing license may suffice, new target licenses at \$500/machine? VxWorks development system included?