

CSIRO DIVISION OF RADIOPHYSICS
THE AUSTRALIA TELESCOPE

AT / 25.1 / 029

MEMORANDUM TO: R.H. Frater
FROM: J.E. Baldwin, W.N. Brouw, R.D. Ekers
DATE: 30 October, 1986
SUBJECT: OFFLINE COMPUTER SYSTEM FOR THE AT

After the discussion on offline computer needs for the AT on October 30, we would like to make the following remarks on the acquisition of the Offline Computer System for the AT.

- a.) given the RP/AT environment and manpower it seems to us that staying with VMS, i.e. Digital, is the right way to go.
- b.) if at all possible within the financial boundaries imposed from the outside, we would suggest that at this stage the AT acquires cluster hardware and sufficient tape drives, disk drives and display units to satisfy the needs in the coming years, and a 8200 class computer, preferably with an array processor to be able to run AIPS efficiently.
- c.) reserve money to replace/add the 8200 with a state-of-the-art CPU about 3 years from now, when the actual data gathering of the AT will start. The array processor could at that stage be moved to the asynchronous computer at Culgoora for on-the-scene data processing.
- d.) the development of workstations should be monitored closely. Acquisition of such stations when actual I/O bandwidth and host/slave software has been developed sufficiently should be considered.

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