ISR PERFORMANCE REPORT

The implementation of the Cii Honeywell Bull disks as backup medium for the file storage of the main control computers of the ISR

Each of the Argus control computers has been equipped with two disk drive units of the type Cii Honeywell Bull D120. The D120 is a moving head removable disk system with a capacity of 10 Megabytes per unit.

These disks will be used as backup medium for the current file storage (on Burroughs MS6 disks) (see Fig. 1). The hardware interface and the software have been developed by the ISR Controls Group.

Experience has shown that these disks are very reliable in operation. With the new system the backup of the main control computer can be taken in less than 6 minutes.

As this service is much faster than the previous procedure using the magnetic tape on the NORD Data Manager computer via a data link, the preservation of the ISR controls file storage can be carried out far more often than it was possible hitherto, thus ensuring the file backup to be closer up-to-date.

Likewise, restoring a single file or several files from the backup is very rapid.

As now both computers are equipped with D120 disk drives, the new backup system is operational.

Conclusions

The new file storage backup system permits easier and faster backup and restore operations. As backups can be taken more frequently the preservation of the ISR controls files will be considerably improved.
ISR Controls File Storage and File Backup

ISR Main Control Computer

MS6 disk 1
1.92 MB

MS6 disk 2
1.92 MB

MS6 disk 3
1.92 MB

Current file storage

D120

10 MB

CiH Honeywell Bull

Backup file storage

D120

10 MB

CiH Honeywell Bull

ARGUS

Computer 2

MS6 disk 1
1.92 MB

MS6 disk 2
1.92 MB

Current file storage

D120

10 MB

CiH Honeywell Bull

Backup file storage

D120

10 MB

CiH Honeywell Bull

MB = Mega bytes

Fig 1