

HP(IV)

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NAME

hp - RH-11/RP04 moving-head disk

DESCRIPTION

The files *hp0*, ..., *hp31* refer to sections of RP disk drive 0. The files *hp32*, ..., *hp63* refer to drive 1 etc. This is done since the size of a full RP drive is larger than the maximum file system size. This allows a disk to be broken up into more manageable pieces. The driver recognizes and maps the hp identification into disk sections as defined below.

hp#	start	length	cylinder
0	0	9614	0 thru 22 23 thru 43 possible swap area
1	18392	65535	44 thru 200
2	84018	65535	201 thru 357
3	149644	20900	358 thru 407 408 thru 410 spare
4	0	40600	0 thru 97
5	41800	40600	100 thru 197
6	84018	40600	201 thru 298
7	125400	40600	300 thru 397
8	0	18300	0 thru 43
9	18392	65535	44 thru 201
10	84436	65535	202 thru 359
11	150480	20000	360 thru 407
12	170544	65535	408 thru 565
13	236588	65535	566 thru 723
14	302632	37200	724 thru 812 813 thru 814 spare
15	18392	33000	44 thru 122
16	51414	33000	123 thru 201
17	84436	33000	202 thru 280
18	117458	33000	281 thru 359 360 thru 379 possible swap area
19	158840	11700	380 thru 407
20	170544	33000	408 thru 486
21	203566	33000	487 thru 565
22	236588	33000	566 thru 644
23	269610	33000	645 thru 723
24-31			user definable

The sectioning for additional drives is similar. RP04, RP05 and RP06 disk drives are supported. Cylinders numbered greater than 410 are for use on RP06 drives only.

Users must configure their disks using a consistent set of these sections. Use of overlapping sections is risky.

The *hp* files access the disk via the system's normal buffering mechanism and may be read and written without regard to physical disk records. For different I/O modes see *setio(f)*.

FILES

/dev/hp?