IRAF V2.5 Table of Selected Benchmark Results May 1987

CPU and/or clock times are tabulated below for selected benchmark tests. CPU times are given in seconds; clock times (in parentheses) are given as (m:ss). For the WBIN and RBIN benchmarks, the tabulated result is the measured bandwidth in Kbytes/second. For a description of the benchmark tests, see the document "A Set of Benchmarks for Measuring IRAF System Performance", Doug Tody, May l987.

	CLSS	MKPKGV	MKHDB		PLOTS	IMADDS		IMADDR		IMSTATR		IMSHIFTR		IMTRAN		WBIN	RBIN
ISI	(0:03)	(0:25)	6.00	(0:17)	(0:10)	0.89	(0:05)	3.82	(0:10)	7.77	(0:10)	81.60	(1:29)	1.62	(0:06)	294.1	277.8
SUN3	(0:03)	(0:17)	5.26	(0:10)	(0:09)	0.62	(0:03)	3.34	(0:09)	8.38	(0:11)	83.44	(1:33)	1.47	(0:05)	625.0	454.5
SUN3+	(0:04)	(0:19)	5.28	(0:11)	(0:06)	0.63	(0:03)	0.86	(0:06)	5.1	(0:08)	31.1	(0:36)	1.5	(0:04)	714.3	454.5
U750	(0:17)	(0:39)	22.79	(0:40)	(0:29)	3.31	(0:10)	4.28	(0:17)	10.98	(0:15)	114.41	(2:13)	10.19	(0:17)	208.3	208.3
V750	(0:27)	(4:17)	46.54	(1:11)	(0:25)	5.90	(0:11)	6.48	(0:14)	10.65	(0:14)	69.62	(1:33)	14.85	(0:20)	238.1	384.6
UMVX	(0:09)	(0:37)	15.5	(0:38)	(0:20)	2.06	(0:09)	2.98	(0:17)	10.98	(0:16)	95.61	(1:49)	4.93	(0:16)	172.4	208.3
VMVX	n/a	n/a	n/a	n/a	(0:17)	3.44	(0:11)	4.31	(0:15)	9.32	(0:12)	74.72	(1:26)	10.83	(0:35)	192.3	294.1
VMVXM	(0:17)	(2:16)	27.58	(0:39)	(0:16)	3.51	(0:07)	4.31	(0:10)	9.31	(0:11)	74.54	(1:21)	10.81	(0:27)	312.5	500.0
V780	n/a	n/a	n/a	n/a	(0:16)	3.38	(0:08)	4.00	(0:11)	6.88	(0:08)	45.47	(0:53)	7.71	(0:12)	227.3	416.7
V780S	(0:15)	(2:09)	26.10	(0:31)	(0:19)	3.57	(0:10)	4.22	(0:17)	6.78	(0:10)	45.11	(0:57)	7.83	(0:14)	166.7	263.2
V8600	(0:08)	(1:05)	8.59	(0:17)	(0:09)	1.56	(0:05)	1.28	(0:07)	2.09	(0:04)	13.54	(0:32)	2.58	(0:06)	294.1	625.0
MV10	(0:14)	(0:29)	6.4	(0:25)	(0:09)	1.5	(0:06)	1.6	(0:08)	4.8	(0:07)	39.3	(0:47)	2.9	(0:06)	89.3	200.0
MV8	(0:28)	(2:17)	13.13	(0:57)	(0:16)	2.85	(0:12)	3.07	(0:17)	9.87	(0:13)	77.68	(1:31)	5.69	(0:12)	31.1	200.0

KEY:

ISI Integrated Solutions with 16-Mhz 68020 and 16-Mhz 68881 fp_coprocessor; UNIX 4.2BSD; 8Mb memory; Greenhills compiler
SUN3 SUN 3/160C with 68881 fp_chip; SUN UNIX 3.3; 8Mb memory; Eagle disk with 380Mb
SUN3+ SUN 3/180C with 68881 fp_chip + FPA; SUN UNIX 3.2; 8Mb memory; 380Mb Eagle disk
U750 VAX 11/750+FPA; UNIX 4.3BSD; 8Mb memory; RA81 disk
V750 VAX 11/750+FPA; VMS V4.5; 7.25 Mb memory; RA81/clustered disks
UMVX VAXSTATION II/GPX; ULTRIX 1.2; 5Mb memory; 150 Mb RD54 disk
VMVXM VAXSTATION II/GPX; MICROVMS V4.5; 5Mb memory; IRAF installed on 300MB MAXSTOR disk, data files on this disk also
VMVX VAXSTATION II/GPX; MICROVMS V4.5; 5Mb memory; IRAF on 300MB MAXSTOR disk, data on 70Mb RD53 (84% full)
V780 VAX 11/780+FPA; VMS V4.5; 16Mb memory; IRAF installed on an RA81, data on an RM03 disk with 23 free Mb, Massbus
V780S VAX 11/780+FPA; VMS V4.5; 16Mb memory; IRAF and data on an RA81 disk, Unibus
V8600 VAX 8600; VMS V4.5; 28Mb memory; RA81/clustered disks
MV10 MV 10000; AOSVS 7.54; 24Mb memory; 2-600 Mb ARGUS and 2-600 Mb KISMET disks
MV8 MV 8000 at La Serena; 5Mb memory, 2 large DG disks, 2 small Winchesters, disks nearly full and badly fragmented