Filed on [Indigo]<Jasmine>JasmineScanInfo.bravo and [IVY]<Orr>Jasmine.press.

This is a quick reference guide to the Jasmine Scan program. It is not meant as a tutor
rather as a reference to a user (or patient/curious beginner) of Scan.

How To Get Started:

There are two versions of Scan; one which runs on Altos and one which runs on D0s (Dolph
You should contact your local support organization if you don't already have a Mesa 6.0
environment needed to run Scan. For Altos, retrieve
[IVY]<McGregor>Jasmine>Alto>Scan.bcd, and for D0s, retrieve
[IVY]<McGregor>Jasmine>D0>Scan.bcd. D0 users are required to have
[IVY]<D0>InitialAlto.eb!46 loaded as resident microcode.

Support Issues:

This release of Scan is mostly a Mesa 6 conversion. It fixes a couple of bugs and has b
output and calibration routines. Most old bugs are still there. (Any volunteers to fix
or add features will be warmly welcomed). If you have trouble, send a message to
<McGregor.pa>. I will be happy to provide consulting for people who have specific
applications. My role in maintaining this software is that of a "placeholder", with the
expectation of "full-fledged" Jasmine support from ISL as the laboratory develops.

Sample Session:

To start Scan, type "Scan" to the alto executive (this presupposes that you have a worki
Jasmine scanner attached, and the correct version of Scan.bcd loaded onto a Mesa 6 disk
with the correct microcode (if you're running on a D0).

The Jasmine retains its calibration until powered off, so if the scanner has not been ca
since being powered on, type "c" when Scan first starts. You should insert the best ava
white sheet of paper (the back of a sheet with print on it is a poor choice) into the sc
answer to the prompt.

You may now type "n" to insert a new page to scan. The paper should be inserted face do
The "h" command will cause Scan to input the page; the space bar will stop scanning at a
time.

The "z" Zoom command, along with changing the threshold values for black and white, and
time for integration ("b", "w", and "t") allow the user to adjust the scan for the best
Often the contrast on black and white material can be increased with black and white
threshold settings around 50 and 190 respectively, but you should experiment for the bes
values. The "o" output command allows the result to be dumped to an ais file. Type the
command to exit Scan.

Command Summary:

?   Displays current values for parameters Black, White, XStart, XLen, YStart, YLen
!   Turns the controller on or off (toggle)
b   Sets black threshold-- prompts for a value between 0 and 255
c   Calibrates the Jasmine-- expects to see a white sheet of paper
d   Sets Delay parameter
e   Erase the screen
f   Advance paper-- prompts for number of steps
h   Halftone sample input
i   Initialise RAM
l   Sets length of scan
n   Ejects old page and accepts new page input

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o       Output to file-- expects filename of form <name>.ais
q       Quit Scan.bcd
r       Reverse paper-- prompts for number of steps
s       Set skip count
t       Set time for integration-- initially 656 (38 uSec ticks)
w       Set white threshold-- prompts for a value between 0 and 255
x       Followed by "l" or "s", sets XLen or XStart parameters
y       Followed by "l" or "s", sets YLen or YStart parameters
z       Zoom halftone mode-- draw rectangle with mouse red, yellow to move origin, and blu
invoke
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