

EXP. NUMBER Mark I	EXPERIMENT/SUBJECT Breaking Glass	DATE October 24, 2008
NAME Daniel Hernandez	LAB PARTNER Aubrey Tatarowicz John Hawkinson Adam Seering	LOCKER/DESK NO. _____ COURSE & SECTION NO. 6.163 / Strobe 6

Materials

slides VWR Intl. VWR VistaVision cat. no. 16004-422
75x25x1 mm 72 per box

digital camera Sony DSC-P72 s/n 338694
(for setup photos) 3.2 MP

HSV camera Vision Research Phantom v7.1 "Phantom HSV"

laptop Dell Latitude D830 s/n MIT-0422773

Software: Phantom 640

Acquisition → setup & recording

Capture then Trigger
start rec. stop recording

- Click OK to view video

- mark Begin and mark end to trim file

- Save

"All HSV Files here" folder → Strobe 6

- Save as *.cin

for .avi, - Border data, standard
- 5 fps

SIGNATURE	DATE	WITNESS/TA	DATE
-----------	------	------------	------

EXP. NUMBER Mark I	EXPERIMENT/SUBJECT Breaking Glass	DATE October 24, 2008
NAME Daniel Hernandez	LAB PARTNER AT, JH, AS —	LOCKER/DESK NO. —
		COURSE & SECTION NO. 6.163/Strobe 6

Fluke 179 multimeter s/n 93810559
w/TypeK thermal couple attachment

Lowel Pro 250W lamp

Fiber-Lite Fiber Optic Illuminator Model 190 made by
Dolan-Jenner Industries

~~375°C~~

Accupro 1500W hot air gun no s/n

(2) wooden boxes

black rolling cart 31" high
tripod Manfrotto 3021BPRO
safety glasses

eyedropper
metal stands
white paper
water

video #	aperture	PPS	temperature	notes	resolution (pixels)
Video #1	at F/4	4700	375°C	crack not recorded	800x600
Video #2	F/8	2000	365°C	crack and break recorded	800x600
#3	F/8	4700	390°C	crack, break recorded	800x600
#4	F/8	15037	390°C	crack, break recorded	512x256
#5	F/8	47058	380°C 350°C	height of water drop matters!; crack	256x128
#6	F/4	47058	360°C	crack not recorded	256x128
#7	F/4	47058	370°C	crack recorded	256x128
#8	F/4	75471	360°C	crack recorded	256x64
#9	F/4	75471	360°C	crack recorded	256x64

SIGNATURE

DATE

WITNESS/TA

DATE