

SKAN CHRONOLOG SOFTWARE

System Requirements: Windows®95 or later, 10Mb free disk space, 64Mb RAM, CD ROM Drive and **ONE FREE SERIAL (COM) PORT**. To install the software insert the CD into the drive and run X:SETUP where X is the CD drive letter. Follow the on screen instructions to install the program components. Once installation is complete the program may be started by choosing **Programs|chronolog|chronolog** from the Start Menu.

Shot No	Weight Grains	Velocity Ft/Sec	Energy Ft lbs
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

When the program is run for the first time it may be necessary to alter the default settings.

Click on Settings on the menu bar – note that this option is only available when the program is first opened, and is disabled after a file has been opened or a test executed. The Settings screen appears:

Choose the Com port you wish to connect the chrono to (Note that only ports available on your computer are shown) and select imperial or metric units from the dropdown box. Click the Ok button to save these settings.

The main screen appears with the data areas blank.

Click on Test Menu and the drop down menu appears:

If you choose Exit then the prompt appears:

Click on the appropriate button to end or continue the program.

To capture data ensure that the chrono is connected to the correct port and powered .

Choose New from the Test Menu to reveal the Test Details Form:

Type the details in the boxes and Click on the Ok button to enter logging mode or Cancel to abort the procedure.

Gun Type, Serial No. and Tester may have up to 12 characters. Only alphanumeric characters may be used in the serial No.

The weight may have 6 digits including a decimal point.

If you do not fill in all the details the error message appears:

Press Ok and then complete all the data fields.

The details entered will be shown on the form and the program is ready to receive data from the chrono.

Test Details

Ser No: BSA04091M

Type: Meteor

Calibre: .22

Tester: P Selby

Date: 29/09/2006

Current Weight grains

The weight shown may be edited as required and will be recorded with the shot data. As each shot is fired, the velocity & energy are displayed in the large data grid to the right:

Shot No	Weight Grains	Velocity Ft/Sec	Energy Ft lbs
1	10.00	540.19	6.48
2	10.00	538.45	6.44
3	10.00	540.19	6.48

Should the chrono output an invalid result a warning is sounded and the program displays:



Concurrently, the statistics are calculated and displayed on the lower left of the form:

Statistics

No. Shots : 4

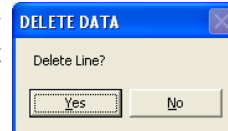
Mean Velocity : 539.32

Std Dev : 0.58

Mean Muzzle Energy: 6.46

Std Dev : 0.01

Data lines may be discarded by double clicking on the relevant line in the data grid.



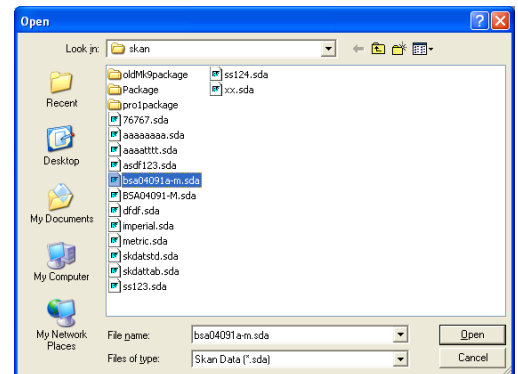
Confirm or refute the action by clicking on the appropriate button.

Continue until the desired number of shots have been fired and select **Save** from the **Test** menu. The standard save dialog box appears with the suggested filename shown as the serial number. Choose **Save** to save the data - files are saved with an **sda** extension

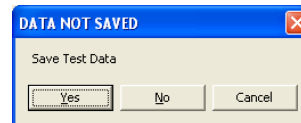


Once the file is saved the Print button will appear: click on it to print the form and its data.

Previous tests may be recalled by choosing **Open** from the **Test** menu. The standard dialog box appears and the chosen file may be selected. The data and statistics are displayed on the form and this may be printed via the Print button.



Whilst a new test is underway, any attempt to load a data file or start a new test before the data is saved displays the message:



NOTE: Clicking No will abandon the data.

The test results are saved in a plain ascii text format that can be imported into word processors & manipulated as desired. The format of the file is:

Skan Chronoscope Data: IMPERIAL
09/06/2004
Meteor
.22
BSA04091-M
P Selby
15

Title and units
Date of Test
Type of Gun
Calibre
Serial No
Tester
No of shots fired (=NSF)
NSF lines of data:
Weight - Velocity - Energy

10.00	743.97	12.29
10.00	743.97	12.29
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.97	12.29
10.00	743.97	12.29
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27
10.00	743.14	12.27

CAUTION

If you intend to manipulate the data in the file please copy the sda file to another e.g. txt file and manipulate this. If you edit the sda file it may render it unreadable by the chronolog software.