ISDAT Users Manual
Time Manager stm

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1 Introduction

1.1 Purpose of the document

The purpose of this document is to provide all information needed to work with the *stm* time manager. A general introduction to the ISDAT is given in [Ref. 1], which includes a complete list of ISDAT related documents. The installation of the ISDAT is described in [Ref. 2].

1.2 Scope of the software

The scope of the stm software is to provide a simple general purpose time manager for the ISDAT.

1.3 Definitions and acronyms

Acronym	Meaning
DBH	Data Base Handler
ISDAT	Interactive Science Data Analysis Tool
N/A	Not Applicable
stm	simple time manager
TBD	To Be defined
TBW	To Be Written

1.4 Problem Reporting

All bugs should be reported to al@irfu.se.

2 Using stm

2.1 Starting stm

Provided your environment is set up properly [Ref. 3, 2] you simply type *stm* to start stm. In most cases you probably would prefer to run stm in the background and type *stm&*.

2.2 stm functions

The stm window in initial configuration is shown in Figure 1,

2.2.1 The project field

Your first action is probably to select your project by pressing this button. You will then normally get a list of project, and you select your project by releasing the mouse button at the desired project. The default project is determined in your personal *.isdat* file [Ref. 3].

2.2.2 The options menu

Your next action is probably to select the *db content* entry under the *options* menu to get a list of available on-line data for the selected project. The entries under the options menu are:

db content opens a new window that lists the available data sets for the current project. Click on one data set to copy the start time to the time manager window *Start*.

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Figure 1: The stm window in initial configuration

release data TBW

last TBW

auto update TBW

continuous TBW

syncronous TBW

sequential TBW

2.2.3   The clients menu

After having chosen an appropriate time to analyze, you probably want to start a *client* to do the analysis and visualisation. Under the *clients* menu you always find one entry *general* that have as sub-entries all *general clients* [Ref. 1]. You will also find a list of project names with project *specific clients* as sub-entries. Simply click on the wanted client to strat it.

2.2.4   The system menu

The *system* menu has the following entries:

new manager to start a new *stm* manager to run simultaneously with the current manager.

kill manager to stop the current stm including all its child-clients.

version gives the current ISDAT version number and patch level.

2.2.5   The start field

The start field is an *edit field* where you can enter your desired start time for the next data interval. The default editor is EMACS. The format is YYMMDD HHMMSS.decimals of seconds.

2.2.6   The Interval field

The Interval field is an *edit field* where you can enter your desired interval in seconds for the next data interval. The default editor is EMACS. Format: seconds with decimals. The *Stop* field is automatically updated to show *start + interval*.

2.2.7　The Stop field

The Stop field is an *edit field* where you can enter your desired stop time for the next data interval. The default editor is EMACS. The format is YYMMDD HHMMSS.decimals of seconds. The Interval field is automatically updated to show *Stop - Start*.

2.2.8　The Update button

When you press *Update* an event is sent to all child-clients, and they are normally updated to analyze and show data for the current interval.

2.2.9　The prev button

The *prev* button subtracts *interval* from the current *Start* and then performs an *Update*.

2.2.10　The next button

The *next* button adds *interval* to the current *Start* and then performs an *Update*.

2.3　Stopping stm

Stopping *stm* is normally done from the *system* menu exit entry.

3　Errors

TBW

References

[1] G. Holmgren and A. Lundgren. ISDAT interactive scientific analysis tool. an introduction. Technical report, IRF-U, February 1994.

[2] A. Lundgren. ISDAT installation manual. Technical Report CWD-SUM-003, IRF-U, March 1994.

[3] A. Lundgren and G. Holmgren. ISDAT users manual. Technical Report CWD-SUM-001, IRF-U, March 1994.