

# Thermo-Calc Software

## View/Run DATAPLOT Examples of TCCS/TCW5 and DICTRA26

For the purpose of appropriately prepare your EXP (Experimental) files that are to be used to impose to your plotted diagrams generated by the Thermo-Calc (TCC and TCW) calculations and DICTRA simulations, there are totally 14 extra examples of EXP files using the DATAPLOT graphical language standard, which are normally independent of software versions.

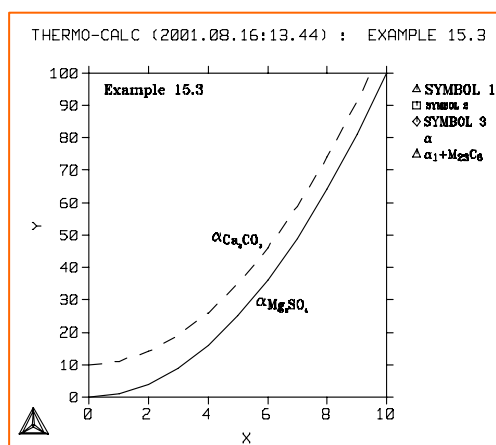
You can view all such standard EXP examples given in [DATAPLOT User's Guide & Examples](#).

All such extra examples are provided as EXP files along the TCCS/TCW5 and DICTRA26 software installations on your designated computers or servers. They are located at the sub-directories "DATAPLOT\_EXAMPLES\_PCWin" and "dataplot\_examples\_linux", respectively, under the area which is defined by the TCPATH (for PC Windows) or "TC\_PATH" (for PC Linux) of the current major-versions for which you hold a valid license:

- **Windows:** normally under  
**C:\Program Files\Thermo-Calc\Thermo-Calc\TC\VERS\Manuals\**
- **Linux/UNIX:** normally under  
**/user/local/thermocalc/vers/manuals/**

With the TCCS or DICTRA26 software, you can choose to look through any of such extra examples by using any textual editor, or run their EXP files by using the QUICK\_EXPERIMENTAL\_PLOT command in the POST module inside either TCCS or DICTRA26. Under Windows environment you can also simply click on the EXP files to get the graphical plots.

With the TCW5 software, you can also directly plot such examples through the menu /File/Open/ (choosing EXP as the file type) on the TCW5 Main Window.



DATAPLOT\_Example #3

```
$DATAPLOT Example 15.3
PROLOG 3 EXAMPLE 15.3 0<X<10, 0<Y<100
XSCALE 0.00000 10
YSCALE 0.00000 100
XTYPE LINEAR
YTYPE LINEAR
XLENGTH 11.5000
YLENGTH 11.5000
TITLE EXAMPLE 15.3
XTEXT X
YTEXT Y

DATASET 3 Draw curves; plot formatted texts and
symbols
$Define some strings:
STRING BCC ^Ga^F0
STRING BCC1 ^Ga^F0^D0^S8,1^S0^U0
STRING M23C6 M^D0^S8,23^S0^U0C^D0^S8,6^S0^U0
STRING ACA2CO3
^Ga^F0^D0^S8Ca^D0^S4,2^S0^U0^S8CO^D0^S4,3^S0^U0
STRING AMG2SO4
^Ga^F0^D0^S8Mg^D0^S4,2^S0^U0^S8SO^D0^S4,4^S0^U0
$ Note: if as PostScript output:
$STRING BCC !a^do1$
$STRING BCC1 !a^do1$
$STRING M23C6 M^do23$C^do6$
$STRING ACA2CO3 !a^doCa^do2$^doCO^do3$
$STRING AMG2SO4 !a^doMg^do2$^doSO^do4$
ATTRIBUTE CENTER
CLIP OFF
FONT 2
0.05 0.95 N'Example 15.3
1.1 0.95 NS1'SYMBOL 1
CHARSIZE 0.2
1.1 0.90 NS2' SYMBOL 2
CHARSIZE 0.3
1.1 0.85 NS3'SYMBOL 3
1.1 0.80 N' ~BCC
1.1 0.75 NS1'~BCC1+~M23C6
SYMBOLSIZE 0.4
CHARSIZE 0.4
0.41 0.50 N'~ACA2CO3
0.56 0.30 N'~AMG2SO4
CLIP ON
LINETYPE 1
BLOCK X=C1; Y=C1*C1; GOC=C2, DWA
0 M
1
2
3
4
5
6
7
8
9
10
BLOCKEND
LINETYPE 2
BLOCK X=C1; Y=C1*C1+10; GOC=C2, DWA
0 M
1
2
3
4
5
6
7
8
9
10
BLOCKEND
```



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