

zHISR[®]

Demonstration

February, 2016



Starting a zHISR Session

```
02/16/2016          zHISR: P r i m a r y   M e n u          (V02R7) 09:28:52

Directory disk
_____
_____

  Lrecl  FileName
  _____
_  125   GILBERT.D160216.T0744210.C00000.HISMAP

1=Help  2=HIS  3=End  4=Speed  7=Bwd  8=Fwd  B=Browse  C=Cancel
```

The first screen you see in zHISR is the **Primary Menu**.

To start a data collection, press **PF2**.

Starting a Data Collection Run

```
02/16/2016          zHISR: Manage H.I.S. Event Data Collection          09:30:11

System MVS70      Proc ZHISR      Title Sample Collection
Duration 10.0    Space 0          MapUser GILBERT  MapOnly N
MapAsid _____
MapJob SAMPLE
Path disk
AutoStart_Id _____ Match_Limit 000001

1=Help 2=View 3=End 4=Start 5=HisInfo 7=Status 8=Jobs 9=Schedule 11=Clear
```

Put in the parameters for a data collection run.
Press **PF4** to start a collection run ...

Starting a Data Collection Run

```
02/16/2016          zHISR: S y s t e m   L o g   /   S t a r t          09:30:37
F ZHISR,START CLIENT=YES,
F ZHISR,CONT  DURATION=10.0,
F ZHISR,CONT  PATH=DISK,
F ZHISR,CONT  MAPJOB=(SAMPLE),
F ZHISR,CONT  TITLE='Sample Collection'
ZHS059I: SPACE= is required with PATH=DISK, set to 6250
ZHS015I: START command has been serviced
```

... and display the
Start panel.

00001 00001

3=End 7=Bwd 8=Fwd

FB

Displaying Collection Status

02/16/2016 zHISR: System Log / Status 09:31:08

F ZHISR,STATUS CLIENT=YES

ZHS004I: zHISR Server (V02R7.003A.253.00000) is ONLINE
Connections in progress: 0 Client requests: 1928
Collections in progress: 1 Collections taken: 4
Samples written: 0.25K Samples lost: 0
Server CPU time: 00:00:02.606 Server zIIP time: 00:00:00.185
Client CPU time: 00:00:00.024 Client Delay time: 00:00:07.544
Client delay HWM: 1 Repository HWM: 15
CPU count: 10 Buffers per CPU: 11

Item	User_Id	Job/ASID	Time	Space	Title
1	GILBERT	(N/A)	000929	24.38M	Sample Collection

F ZHISR,STATUS ID=ALL,CLIENT=YES

ZHS074I: No AutoStart Id's match selection criteria

00001 00001 1=Help 2=Refresh 3=End 7=Bwd 8=Fwd P=Stop K=Halt

FB

Press **PF7** from the **Collection** Panel to display the zHISR Server status and a list of the collections in progress.

Stopping a Collection Run

02/16/2016 zHISR: System Log / Status 09:31:08

F ZHISR,STATUS CLIENT=YES

ZHS004I: zHISR Server (V02R7.003A.253.00000) is ONLINE
Connections in progress: 0 Client requests: 1928
Collections in progress: 1 Collections taken: 4
Samples written: 0.25K Samples lost: 0
Server CPU time: 00:00:02.606 Server zIIP time: 00:00:00.185
Client CPU time: 00:00:00.024 Client Delay time: 00:00:07.544
Client delay HWM: 1 Repository HWM: 15
CPU count: 10 Buffers per CPU: 11

Item	User_Id	Job/ASID	Time	Space	Title
1	GILBERT	(N/A)	000929	24.38M	Sample Collection

F ZHISR,STATUS ID=ALL,CLIENT=YES

ZHS074I: No AutoStart Id's match selection criteria

00001 00001 1=Help 2=Refresh 3=End 7=Bwd 8=Fwd P=Stop K=Halt FB

Type a **P** in the command field of a line item on the list to stop that collection run...

Stopping a Collection Run

02/16/2016 zHISR: S y s t e m L o g / S t o p 09:32:38

F ZHISR,STOP 0001,CLIENT=YES

ZHS015I: STOP command has been serviced

...and display the
Stop panel.

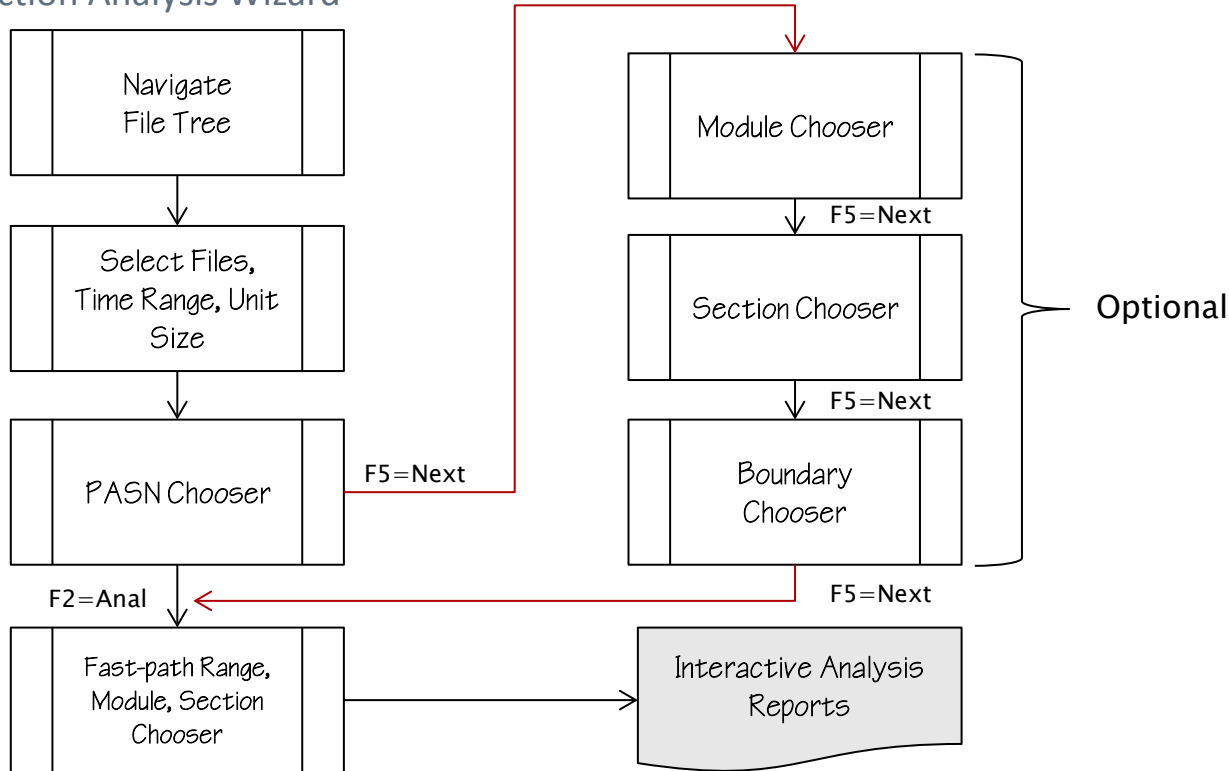
00001 00001

3=End 7=Bwd 8=Fwd

FB

Analyzing a zHISR Collection

zHISR Data Collection Analysis Wizard



Analyzing a zHISR Collection

```
02/16/2016          zHISR: P r i m a r y   M e n u          (V02R7) 09:33:03
Directory disk
_____
_____

  Lrecl  FileName
  _____
_  125   GILBERT.D160216.T0744210.C00000.HISMAP

1=Help  2=HIS  3=End  4=Speed  7=Bwd  8=Fwd  B=Browse  C=Cancel
```

On the **Primary Menu**, enter the directory where your collection was saved (Path entered on the Collection panel) and press **Enter**.

Select File, Choose Analysis Unit Size

```
02/16/2016          zHISR: Collection Dataset Catalog Display          09:33:20
A(n)=Analyze B(L|A)=Browse RM=Remove S=Slct Cursor=Slct
Directory disk

Type  Permission  MgmtClas  Volume  FileName
a_ File   zr--r--r-- STANDARD  MVSPV0  GILBERT.D160216.T0744210.C00000.HISMAP
_ File   zr--r--r-- STANDARD  MVSPV2  GILBERT.D160216.T0744210.C00000.HISSMP
_ File   zr--r--r-- STANDARD  MVSPV0  GILBERT.D160216.T0744210.C00002.HISSMP
_ File   zr--r--r-- STANDARD  MVSPV2  GILBERT.D160216.T0930375.C00000.HISMAP
_ File   zr--r--r-- STANDARD  MVSPV0  GILBERT.D160216.T0930375.C00000.HISSMP
_ File   zr--r--r-- STANDARD  MVSPV0  GILBERT.D160216.T0930375.C00002.HISSMP
_ File   zr--r--r-- STANDARD  MVSPV2  GILBERT.D160216.T0930375.C00006.HISSMP
_ File   zr--r--r-- STANDARD  MVSPV0  GILBERT.D160216.T0930375.C00007.HISSMP

00005 00005      1=Help  2=Refresh  3=End  4=Return  7=Bwd  8=Fwd          FB
```

Analyze a data collection run by typing an **A(n)** in the command column. **(n)** optionally specifies the unit size—any power of two, 8 thru 4K. Default is 64 bytes.

Press **Enter** to continue.

Specify Time Period and Included CPUs

```
02/16/2016          zHISR: H.I.S. Sample Data CPU Selection          09:33:58
CPU Report          GILBERT.D160216.T0744210.C00000          Sort: Cpu#
```

Move the cursor to a line to be excluded or included in the analysis and press Enter. Alter the range data to change the time period that is to be analyzed. Once you have completed your selections press PF5.

Collection time period in YYDDD.HH:MM:SS format: 16047.15:44:21 16047.15:44:36

```
GILBERT.D160216.T0744210.C00000.HISSMP      88.0K 16047.15:44:21 16047.15:44:36
GILBERT.D160216.T0744210.C00002.HISSMP      208.0K 16047.15:44:21 16047.15:44:34
```

```
00001 00001          1=Help  3=End  5=Next  7=Bwd  8=Fwd          FB
```

Choose one or more CPUs to analyze and limit the collection time range. All CPUs are included by default. Click one to exclude it.

Press **PF5** to continue.

Choose the ASID

```
02/16/2016      zHISR: H.I.S. Sample Data ASID Selection      09:34:17
ASID Report      GILBERT.D160216.T0744210.C00000      Sort: Percent

Move the cursor to the ASID of the address space to be included  ASID Focus:
in the analysis and press Enter.  Only one ASID may be selected  PASN, HASN or
Once you have completed your selection press PF2 or PF5.          XASN XASN

-  94.069% 006A-COBSAMP      0.783% 000B      0.579% 002C
   0.418% 0003      0.418% 003A      0.365% 0007
   0.343% 0006      0.311% 003B      0.193% 004E
   0.172% 002D      0.150% 003C      0.129% 0023
   0.107% 006B      0.097% 0001      0.097% 0026
   0.064% 0010      0.064% 0048      0.064% 0052
   0.054% 0016      0.054% 0057      0.032% 0009
   0.032% 000A      0.032% 0024      0.032% 0025
   0.032% 0027      0.032% 0030      0.021% 0049
   0.011% 001B      0.011% 002B      0.011% 0045
   0.011% 004B      0.011% 005C      0.011% 0071
   0.011% 0078      0.011% 0079

Proceed directly
to Fast-path
Range, Module,
Section Chooser

00001 00001  1=Help 2=Anal 3=End 5=Next 7=Bwd 8=Fwd 9=Sort_ASID      FB
```

Select the address space that is the target of the analysis and the focus of that address space, PASN, HASN or both.

Press **PF5** to continue or **PF2** to go straight to the final **Analysis** panel.

Choose the Modules

```
02/16/2016      zHISR: H.I.S. Sample Data Module Selection      09:34:42
Module Report    GILBERT.D160216.T0744210.C00000                Sort: Owner

Move the cursor to a module to be excluded or included in the
analysis and press Enter. Continue this process as often as
needed. Once you have completed your selections press PF5.

006A-CEEBINIT 00000000_00007000 0000B1E0 COBSAMP 16047.1544210 16047.1544350
006A-IGZXLPIO 00000000_000121E0 00000940 COBSAMP 16047.1544211 16047.1544360
006A-IGZXLPKA 00000000_0D153000 000851E8 COBSAMP 16047.1544211 16047.1544350
006A-IGZXLPKD 00000000_0D1D9000 0004DC98 COBSAMP 16047.1544211 16047.1544350
006A-IGZXLPKF 00000000_0D227000 00082CD0 COBSAMP 16047.1544211 16047.1544350
006A-SAMPLE   00000000_0CF00000 00002000 COBSAMP 16047.1544210 16047.1544360
COMM-CAMSA DRV 00000000_0CB8C000 00000950 -          16045.1915046 -
COMM-CAMSALET 00000000_0CB8C950 00000FD0 -          16045.1915046 -
COMM-CAMSCMN  00000000_0CBA9000 00002738 -          16045.1915046 -
COMM-CAMSCPYD 00000000_0CB8D920 000003F8 -          16045.1915046 -
COMM-CAMSDLPA 00000000_0CB8DD18 000
COMM-CAMSERR  00000000_0CB8FB00 000
COMM-CAMSFSTG 00000000_0CB90B20 000
COMM-CAMSGSTG 00000000_0CB915C0 000
COMM-CAMSGXVT 00000000_0CB92198 000

Include/Exclude mask: *
To select all privates, Type *PVT.
3=End 4=Include 5=Exclude

00001 00097 1=Help 2=Mask 3=End 5=Next 7=Bwd 8=Fwd 9=Sort_Address FB
```

Choose the modules you want to analyze. You can also use a generic mask to include or exclude modules.

Press **PF5** to continue.

Choose the Control Sections

02/16/2016 zHISR: H.I.S. Sample Data Csect Selection 09:35:15
Csect Report GILBERT.D160216.T0744210.C00000 Sort: Owner

Move the cursor to a Csect to be excluded or included in the analysis and press Enter. Continue this process as often as needed. Once you have completed your selections press PF5.

```
- 006A-__errno      00000000_0D2A9A48 0000000A 16047.1544211 16047.1544350
006A-@@OXDAL      00000000_0D226240 00000004 16047.1544211 16047.1544350
006A-@@OXDAL      00000000_0D2A91A8 00000004 16047.1544211 16047.1544350
006A-@@OXENV      00000000_0D2258F8 00000004 16047.1544211 16047.1544350
006A-@@OXENV      00000000_0D2A8860 00000004 16047.1544211 16047.1544350
006A-@@OXERN      00000000_0D2259D0 00000004 16047.1544211 16047.1544350
006A-@@OXERN      00000000_0D2A8938 00000004 16047.1544211 16047.1544350
006A-@@OXGDE      00000000_0D225B80 00000004 16047.1544211 16047.1544350
006A-@@OXGDE      00000000_0D2A8AE8 00000004 16047.1544211 16047.1544350
006A-@@OXHER      00000000_0D225C58 00000004 16047.1544211 16047.1544350
006A-@@OXHER      00000000_0D2A8BC0 00000004 16047.1544211 16047.1544350
006A-@@OXL@1      00000000_0D226318 00000004 16047.1544211 16047.1544350
006A-@@OXL@1      00000000_0D2A9280 00000004 16047.1544211 16047.1544350
006A-@@OXLCS      00000000_0D2263F0 00000004 16047.1544211 16047.1544350
006A-@@OXLCS      00000000_0D2A9358 00000004 16047.1544211 16047.1544350
```

00001 01559 1=Help 2=Mask 3=End 5=Next 7=Bwd 8=Fwd 9=Sort_Address FB

Choose Csects for analysis. As with the **Module** panel, you can use a generic mask to exclude or include Csects.

Press **PF5** to continue.

Choose Virtual Storage Boundary

02/16/2016 zHISR: H.I.S. Sample Data Bndry Selection 09:35:40
Boundary List GILBERT.D160216.T0744210.C00000 Sort: Owner

Move the cursor to a boundary to be excluded or included in the analysis and press Enter. Continue this process as often as needed. Once you have completed your selections press PF5.

- CSA	00000000_00B00000	00000000_00CD1FFF
DONUC	00000000_7FC9F000	00000000_7FCA2FFF
ECSA	00000000_07EC7000	00000000_0CEFFFFFFF
EFLPA	00000000_07EB7000	00000000_07EB8FFF
EMLPA	00000000_07EB9000	00000000_07EC6FFF
EPLPA	00000000_04157000	00000000_07EB6FFF
EPRV	00000000_0CF00000	00000000_7FFFFFFF
ERON	00000000_01000000	00000000_01BCB92F
ERWN	00000000_01BCC000	00000000_01C36FFF
ESQA	00000000_01C37000	00000000_04156FFF
HCSA	000001EF_80000000	000001FF_FFFFFFFF
PLPA	00000000_00CD2000	00000000_00EC5FFF
PRIVATE	00000000_00000000	00000000_00AFFFFFFF
RON	00000000_00FDF000	00000000_00FFFFFFF
RWNUC	00000000_00FD3000	00000000_00FDEC1F

00001 00002 1=Help 2=Mask 3=End 5=Next 7=Bwd 8=Fwd 9=Sort_Address

FB

Choose certain storage types to include in the analysis. A generic mask can be used on this display too.

Press **PF5** to continue.

Fast-path Range, Module, Section Chooser

02/16/2016 zHISR: H.I.S. Data Analysis 09:36:02
Analysis GILBERT.D160216.T0744210.C00000 XASN=006A

All available modules, csects and boundaries have been selected

Up to ten modules, Csects or address ranges may be entered into this screen. To specify a module or Csect, enter its name in the left field while setting the right field to blanks. Press PF2 to display a usage report that includes all the data that you have selected for address space 006A.

Wait state: N Include Wait dispatched, Y or N

Address range: _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____

Press <F9> to include all virtual storage ranges. Useful when nothing else has been selected previously.

1=Help 2=Run 3=End 4=Return 7=Counter 8=Info 9=Select All 10=Memory 11=Clear

The **Analysis** panel is the kickoff point for the Full and Spot analysis reports. From here, you can also view various statistics calculated by zHISR.

Press **F2** to run the report.

Interactive Analysis Report Navigation

- ▶ The Full Analysis shows all execution analysis units with the most frequently-executed at the top of the display.
 - Control section, module and boundary are displayed for every execution analysis unit.
 - Change sort order as desired using cursor-based selection.
- ▶ Use cursor-based selection to drill down to the Spot Analysis, where all execution analysis units for a given control section, module or virtual storage boundary are shown.
- ▶ From there, you can display control section source code with execution analysis unit highlighted – if ADATA or COBOL SYSDEBUG information is available.



Full Analysis

02/16/2016 zHISR: H.I.S. Full Analysis 09:36:38
 Run Summary GILBERT.D160216.T0744210.C00000 Sort: Tot_Pct

PASN	PSW_Address	TotPct	SelPct	Csect	Module	Bndry
006A	00000000_0CF00380	46.697	49.641	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00300	19.670	20.910	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00340	11.647	12.382	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00240	2.617	2.782	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00280	2.006	2.132	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF002C0	1.888	2.007	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00400	1.813	1.927	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00440	1.512	1.608	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00200	0.804	0.855	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF001C0	0.751	0.798	SAMPLE	SAMPLE	EPRV
006A	00000000_0109D740	0.086	0.091	IEAVEEXT	IEAVEEXT	ERON
006A	00000000_018140	0.043	0.046	IAXVP	IAXVP	ERON
006A	00000000_0109C0	0.043	0.046	IEAVEEXT	IEAVEEXT	ERON
006A	00000000_010A1800	0.043	0.046	IEA0TI00	IEA0TI00	ERON
006A	00000000_0185EE80	0.043	0.046	IAXPY	IAXPY	ERON

00001 00006 1=Help 3=End 6=Loc 7=Bwd 8=Fwd 9=Sel_Pct 10=Mem 12=Prnt FB

The **Full Analysis** panel is a display of all of the selected sample data, initially sorted by percentage of total entries. The display can be sorted by any of the six columns.

Place your cursor on an entry and press **Enter** to display the Spot Analysis Panel.

Full Analysis with Location Pop-up

```
02/16/2016      zHISR: H.I.S. Full Analysis      09:36:38
Run Summary    GILBERT.D160216.T0744210.C00000      Sort: Tot_Pct

PASN  PSW_Address      TotPct  SelPct  Csect      Module      Bndry
-----
006A  00000000_0CF00380  46.697  49.641  SAMPLE     SAMPLE     EPRV
006A
006A  01 of 01      Module Information      3=End 6=Loc 7=Bwd 8=Fwd
006A
006A  Start 00000000_0CF00000 End 00000000_0CF01FFF Length 00002000
006A  CPI ratio: Module SAMPLE      1.1294
006A           Csect SAMPLE      1.1294
006A  VolSer MVSPV1  DSN PHOENIX.PROD.LOADLIB
006A
006A  00000000_0CF00200  0.804  0.855  PLE        PLE        EPRV
006A  00000000_0CF001C0  0.751  0.798  PLE        PLE        EPRV
006A  00000000_0109D740  0.086  0.091  VEEXT      VEEXT      ERON
006A  00000000_01814000  0.054  0.057  IAXVP      IAXVP      ERON
006A  00000000_0109C840  0.043  0.046  IEAVEEXT   IEAVEEXT   ERON
006A  00000000_010A1800  0.043  0.046  IEA0TI00   IEA0TI00   ERON
006A  00000000_0185EE80  0.043  0.046  IAXPY      IAXPY      ERON

00001 00006  1=Help 3=End 6=Loc 7=Bwd 8=Fwd 9=Sel_Pct 10=Mem 12=Prnt  FB
```

The **Location** pop-up includes module load point address, end address, and length. If the z/OS VolSer and dataset name or UNIX path name is known then this is also displayed.

Spot Analysis for Control Section

02/16/2016 zHISR: H.I.S. Spot Analysis 09:38:04
By Csect GILBERT.D160216.T0744210.C00000 Sort: Sel_Pct

PASN	PSW_Address	Offset	TotPct	SelPct	Csect	Module	Bndry
006A	00000000_0CF00380	00000380	46.697	49.641	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00300	00000300	19.670	20.910	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00340	00000340	11.647	12.382	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00240	00000240	2.617	2.782	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00280	00000280	2.006	2.132	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF002C0	000002C0	1.888	2.007	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00480	00000480	1.813	1.927	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00400	00000400	1.802	1.915	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF003C0	000003C0	1.684	1.790	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00440	00000440	1.512	1.608	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF00200	00000200	0.804	0.855	SAMPLE	SAMPLE	EPRV
006A	00000000_0CF001C0	000001C0	0.751	0.798	SAMPLE	SAMPLE	EPRV
			92.89	98.74			

00001 00001 1=Help 3=End 6=Loc 7=Bwd 8=Fwd 9=Csect 10=Mem 12=Prnt FB

The **Spot Analysis** panel is a detailed display of the Csect, Module, or Boundary of the entry you selected on the **Full Analysis** panel.

Press **Enter** on a Csect or Module to invoke the **ADATA** prompt.

ADATA Location Prompt

02/16/2016

zHISR: Associated Data Prompt
GILBERT.D160216.T0744210.C00000

09:38:21

Define the SYSADATA, SYSPRINT or SYSDEBUG dataset name using the Catalog Search mask and the PF6 key. Correct the Target member name if necessary. If using SYSDEBUG, provide the Target program name. After the required fields have been provided press the PF2 key to view the associated data.

Catalog Search mask *.COBOL

Target member name SAMPLE

Target program name _____
(Only if SYSDEBUG) _____
(Case sensitive) _____

Report page limit 1000

Instruction address 00000000_0CF00380

Instruction offset 00000380

1=Help 2=Adata 3=End 5=Dataset(s) 6=Catalog_Search 11=Clear

From the ADATA prompt, press **PF6** to display the z/OS catalog using the catalog search mask you supply.

ADATA Library Concatenation Prompt

```
02/16/2016          zHISR: A s s o c i a t e d   D a t a          09:38:58

FMBC1.COBOL
FMBC2.COBOL
GILBERT.COBOL

_____ FMBC1.COBOL _____
_ GILBERT.COBOL

3=End  4=Before  5=After  6=Replace

00001 00001  1=Help  3=End  4=Return  7=Bwd  8=Fwd          FB
```

From this display you may populate a list of up to 16 datasets to search for the associated data. The list is remembered going forward.

Press **PF3** to get back to the ADATA prompt and then **PF2** to view the source code.

Scrollable ADATA with Highlighted Code

02/16/2016

zHISR: A s s o c i a t e d D a t a
GILBERT.COBOL

09:39:58

More→

WORKING-STORAGE SECTION.

```
77 I1      COMPUTATIONAL PICTURE 9(9)  VALUE 1.
77 I2      COMPUTATIONAL PICTURE 9(9)  VALUE 1.
77 RESULT  COMPUTATIONAL PICTURE 9(9)  VALUE 1.
77 REPLY   COMPUTATIONAL PICTURE X      VALUE ' '.
77 JUNK    COMPUTATIONAL PICTURE X(3910) VALUE 'X'.
```

PROCEDURE DIVISION.

START_PGM.

0001AC PERFORM LOOP 50000000 TIMES.

END_PGM.

0001F0 STOP RUN.

LOOP.

000232 PERFORM ZEROIT.

000250 COMPUTE RESULT = I1 + I2.

000284 COMPUTE RESULT = I1 + I2.

0002B8 COMPUTE RESULT = I1 + I2.

0002EC COMPUTE RESULT = I1 + I2.

000320 COMPUTE RESULT = ((I1 / I2) + (I1 / I2)) / 2 / 1 / 1 / 1

00002 00003 1=Help 3=End 4=Return 7=Bwd 8=Fwd 10=Lft 11=Rht 12=Print FB

This panel consists of program text and offset information for the selected Csect or module. The execution analysis unit is highlighted.

Press **PF12** to print or save the report.

Print, Save, or Export Results

02/16/2016

zHISR: Print/Save/Export - Full Analysis
GILBERT.D160216.T0744210.C00000

09:40:59

To print the current report provide a valid SYSOUT class and press the PF4 key. To save the current report supply the name of a PDS or PDSE dataset that you are authorized to update and the member name that is to contain the report and press the PF5 key. To export the current report as a CSV file specify the output path name and press the PF7 key.

Sysout Class _

Output Dataset Name _____

Output Member Name _____

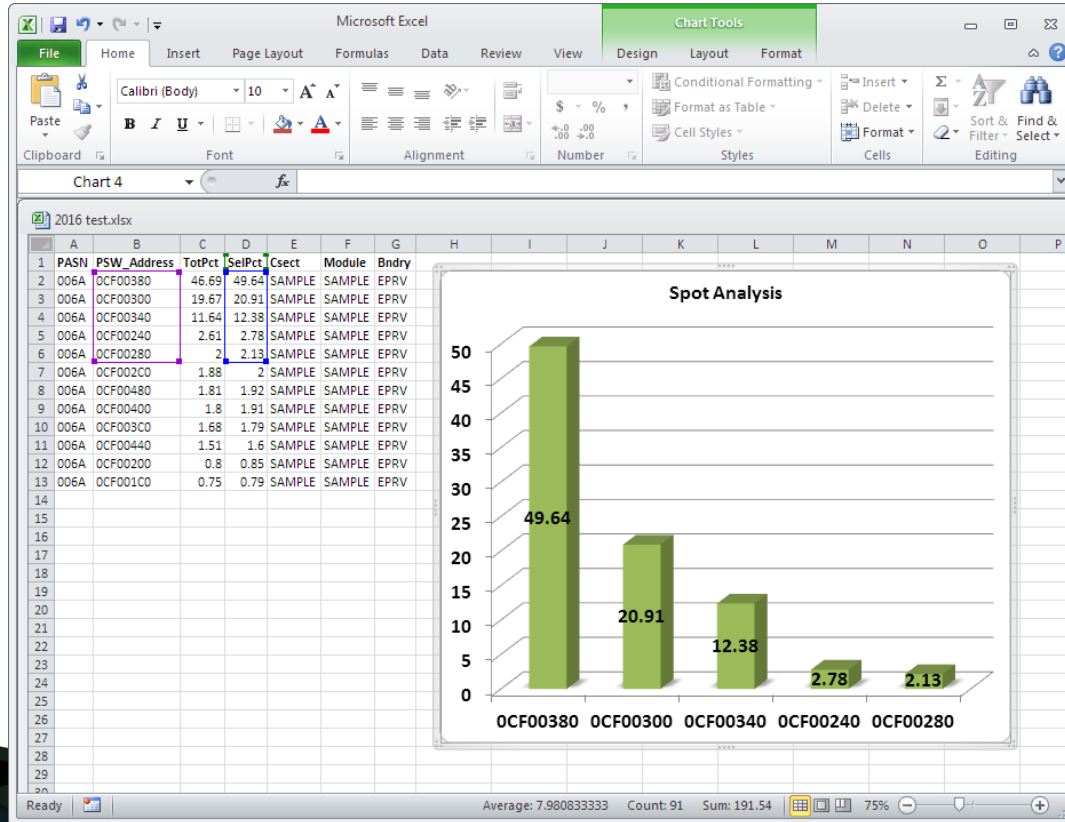
Output Path Name /u/gilbert/test.csv

Character encoding ASCII

1=Help 3=End 4=Print 5=Save 7=Export 11=Clear

The Full Analysis, Spot Analysis and ADATA source code reports can be printed or saved. These reports are text versions of the 3270-based reports—all rows shown.

Import CSV File into Your Spreadsheet



Exporting the Full Analysis or Spot Analysis report to a CSV (comma-separated values) file allows you to easily import the data into your favorite spreadsheet or charting utility.

zHISR On-line Help

02/16/2016 Tutorial zHISR: Help Tutorial GAHS0000 09:41:47

Move the cursor to your selection and press the Enter key
(Or Point-and-Shoot)
Press PF3 to Return to Invoker or PF12 to End Help

Basic zHISR Functions

- Starting a zHISR Session
- Start a hardware activity collection
- Stop a hardware activity collection
- Display HIS or zHISR Server status
- Navigate the UNIX File System or z/OS datasets
- Remove files from a UNIX directory or a z/OS catalog
- Browse a collection file
- Cancel a browsed collection file
- Analyze a completed data collection run
- Using the z/Architecture Instruction Speed tester
- Language Environment Messages
- Manage collections from a program
- Starting a hardware collection with JCL

00001 00004

3=End 7=Bwd 8=Fwd 12=Return

FB

zHISR has an online Help Tutorial with step-by-step, detailed instructions for using zHISR.

Learn More About zHISR

www.phoenixsoftware.com/zhisr.htm

