

Hampson-Russell
A CGGVeritas Company

Software Release CE8/R1.1
Release Notes

(Last Revision: Mar 26, 2007)

Software Release Date: March 27, 2007

List of Products:

Product Name:	Features supplied and corresponding version numbers:			Comments:
AFI	afi	(3.0)		Requiring a pro3d (7.0) license
AVO	avo	(7.1)	geoview (5.1) elog (5.1)	Including a pro3d (7.0) license
eLOG	elog	(5.1)	geoview (5.1)	--
EMERGE	emerge	(5.1)	geoview (5.1) elog (5.1)	---
GLI3D	gli3d	(8.0)		Including a glipick (8.0) license
ISMap	ismap	(6.0)	geoview (5.1)	--
Pro4D	pro4d	(3.1)	geoview (5.1)	--
ProMC	promc	(2.1)	geoview (5.1)	--
STRATA	strata	(7.1)	geoview (5.1) elog (5.1)	Including a bstrata (7.0) Batch Inversion license.
GEOVIEW	geoview	(5.1)	seisloader (1.1)	Included in a geoview license. Please read a disclaimer notice below.
			view3d (1.0)	Included in a geoview license. Please read a disclaimer notice below.

List of New Features and Enhancements:

Summary

This is a patch release, containing rigorous bug fixes, some enhancements and an expansion of the on-line help.

Details

GEOVIEW

1. We have resolved the problem of the View3D Guide not starting on Unix platforms. (#1856)

Well Exchange / OpenWorks

2. The logic for selecting curves from OpenWorks has been improved. (#315)
3. Log amplitude units are now transferred correctly. (#163)
4. We fixed the case of duplicate well names appearing on the same line in the Wells tab's Output box on the Import dialog (#1902)
5. We ensured that the OK button is not disabled for the Log Mapping tab when all the log and unit mappings are valid. (#1903)
6. We stopped multiple occurrences of an "existing" P-wave column from happening in the Time Depth tab of the Import dialog. (#1904)
7. We fixed the case where log curves were named in the Time Depth tab of the Import dialog even though they were not selected. (#1905)
8. We fixed the Reset All button. (#1906)
9. The selection of an Interpreter in the Curves tab of the Import dialog no longer might crash the program. (#1908)
10. The HRS Log Units are now always set correctly for some HRS Log Types in the Log Mapping tab of the Import dialog. (#1909)
11. Log types that have been mapped correctly are no longer flagged as invalid on the Log Mapping tab of the Import dialog. (#1910)
12. You can now see OpenWorks wells even if there are no well lists. (#1911)
13. We fixed the Select All Tops button. (#1913)

eLOG

14. We fixed a program crash when loading or saving display template in the Linux and Unix platforms. This error could also be avoided by renaming the file "logviewTemplateChooser.vr" to "logViewTemplateChooser.vr", with an upper case letter V, in the installation lib directories. (#1949)
15. We stopped the program from crashing when saving a changed wavelet as a new one after phase rotation and when displaying the wavelet phase at the same time in Log Correlation option. (#1857)

Fluid Replacement Modeling (FRM)

16. We corrected an error of not being able to change the gas, oil and water saturation curves at the same time. (#1944)
17. We stopped the program from crashing when exclusion zones were used, when the first sample in the analysis zone was inside the exclusion zone and the fluid calculator was not selected. (#1898)

AFI

No change.

AVO

AVO Analysis and Processing:

18. The coefficients for the background Vs relationship were accidentally disabled in the Rp/Rs option in AVO Attributes Process. The workaround was to toggle to Vp/Vs first. Now the error is corrected. (#1879)
19. We added the sub-volume identifier selection from the main seismic window when showing multiple 2D lines. (#1884)
20. The smoother length of the processing velocity (in options like Angle Gather and AVO Attributes Processes) was wrongly taken as the number of samples instead of the time window as labelled. This would happen when using Time-Velocity Table and Single Well options, but not when using external data volume as velocity input. The error has now been fixed. (#1954)
21. We improved the smoother calculation when a short well log was used as the processing velocity in options like Angle Gather and AVO Attributes Processes. (#1931)
22. We corrected Angle Gather for depth domain data. (#1925)

See also the GENERAL section below for seismic data handling and other general improvements.

AVO Modeling:

23. We corrected the bandwidth of the output reflectivity (synthetic) in the Elastic Wave Modeling option and when the “output reflectivity only” option was selected.
24. The program now takes into account the wavelet polarity in Elastic Wave Modeling. (#146)

See also eLOG section above for more log curves related editing and FRM.

EMERGE

25. When predicting a log curve in depth domain, the tops now correctly load. (#1983)

See also the GENERAL section below for seismic data handling and other general improvements.

GLI3D

No change.

ISMAP

No Change.

PRO4D

26. We took out the prompt and avoided the possibility of removing the input seismic data when the super volume link was removed from the Data Explorer. (#1860)

See eLOG above for some items related to well log editing and FRM. See also the GENERAL section below for seismic data handling and other general improvements.

PROMC

27. The ProMC Guide (the tutorial) can now be started from the Help button. (#1855)

See also the GENERAL section below for seismic data handling and see eLOG above for items related to well log editing and improved FRM.

STRATA

28. Strata Model scrolling within the seismic view has been sped up. (#1870)
29. When inverting data in CDP accessing mode, the output would have a wrong CDP numbers (-1). Now the problem is corrected. (#1883)
30. The Single Global Scaler option in Inversion Process was incorrectly reset to either Separate Scaler or User Defined Scaler option when you completed the second last page in the Inversion Process Menu. Now the program will definitely honor your selection of using a Single Global Scaler. In CE8, we highly recommend that you do Inversion Analysis first using a single global scaler for all well locations, and then apply this pre-calculated scaler in the Inversion Process for the whole data volume. (#1994)
31. We corrected the problem of not passing the LPSS Inversion parameters from the Inversion Analysis window to the Inversion Process window. (#1948)

See also the GENERAL section below for seismic data handling and other general improvements, and see eLOG above for some items related to well log editing.

GENERAL

32. The taper was not applied in the wavelet extraction when the “remove time shift” option was not selected. This issue is resolved now. (#1932)
33. We fixed an error when the map contouring is being displayed in inline-xline mode with a certain rotation. (#1861)
34. You can now turn off the green grid line on the base map. (#1935)

- 35. We corrected an error in plotting the tops on an inserted color item when the seismic view was showing a color velocity like the Interval Velocity. (#1955)
- 36. When a user-defined color scheme was reloaded, the number of colors was incorrectly reset to 50. Now the program will restore the original number of colors saved. (#1941)
- 37. We clarified which wavelet was being copied in the Copy Wavelet option. (#1325)
- 38. We corrected the wavelet length and the average phase values displayed, and added the sample rate in the Data Explorer. (#1339)

SeisLoader

- 39. We added a domain resampling feature for the existing Copy and Super Gather processes. (New!)
- 40. We ensured that the fold map did not assume a wrong geometry from the base map. (#1918)
- 41. The program now supports having a negative XY coordinate scaler as a divider when loading SEG-Y data. (#1867)

VIEW3D

No change.

Hampson-Russell Assistant

- 42. We expanded and improved both content and indexing, with an extensive expansion of the Theories section.

FTP Download

The software installation images can be found at our ftp sites. Please visit <http://www.cggveritas.com/hampson-russell> for instructions and details.

CD and Package Labels

<i>Platform</i>	<i>Version</i>	<i>Date Label</i>
SUN / Solaris	CE8/R1.1	Mar 27, 2007
SGI / IRIX	CE8/R1.1	Mar 27, 2007
LINUX / Red Hat	CE8/R1.1	Mar 27, 2007

Supported Operating Systems:

1. SUN, Solaris 8, 9 and 10.
2. SGI, IRIX 6.5x (6.5.12m, 6.5.19f).
3. LINUX 32-bit, RedHat 9.0, Enterprise WS3/ES3/AS3, Enterprise WS4/ES4/AS4.
4. LINUX 64-bit, RedHat Enterprise WS4/ES4/AS4, SuSE 9.2.

Note: Some modules are not available for some platforms. See the Compilation Dates table below, visit our web site <http://www.cggveritas.com/hampson-russell>, or contact our support staff for more details.

Compilation Dates

<i>Executable/Module</i>	<i>Solaris</i>	<i>IRIX</i>	<i>Linux</i>	<i>Windows</i>
AFI	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007
AVO	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007
eLOG	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007
EMERGE	Mar 15, 2007	Mar 15, 2007	Mar 15, 2007	Mar 15, 2007
GEOVIEW(32-bit)	Mar 13, 2007	Mar 14, 2007	Mar 13, 2007	Mar 13, 2007
GEOVIEW(64-bit)	Mar 14, 2007	Not Available	Mar 14, 2007	Not Available
logdialog	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007
GLI3D	Jan.25, 2007	Jan.25,2007	Jan.25, 2007	Not Available
ISMap	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007
ismapEmerge	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007
PRO4D	Mar 20, 2007	Mar 20, 2007	Mar 20, 2007	Mar 20, 2007
PROMC	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007	Mar 9, 2007
SeisLoader(32-bit)	Mar 14, 2007	Mar 14, 2007	Mar 14, 2007	Mar 13, 2007
SeisLoader(64-bit)	Mar 22, 2007	Not Available	Mar 22, 2007	Not Available
STRATA	Mar 21, 2007	Mar 22, 2007	Mar 21, 2007	Mar 21, 2007
strataBatch(32-bit)	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007	Jan.24, 2007
strataBatch(64-bit)	Jan.24, 2007	Not Available	Jan.24, 2007	Not Available
View3D (32-bit)	Not Available	Not Available	Not Available	Jan.24, 2007
View3D (64-bit)	Jan.24, 2007	Not Available	Jan.24, 2007	Not Available
swsv (SeisWorks) Emerald City R2003.12	Jan. 4, 2007	Jan. 30, 2007	Jan. 4, 2007	Not Available
WLEx	Mar 12, 2007	Mar 12, 2007	Mar 12, 2007	Not Available

(OpenWorks) Emerald City R2003.12				
WLEx (GeoFrame) 3.8.1	Oct. 24, 2004	Not Available	Not Available	Not Available
WLEx (GeoFrame) 4.0.2	Feb. 1, 2006	Not Available	Not Available	Not Available
WLEx (GeoFrame) 4.04	Feb. 1, 2006	Not Available	Not Available	Not Available
WLEX (GeoFrame) 4.2	Feb. 1, 2006	Not Available	Feb. 1, 2006	Not Available
OpenSpirit Version Supported	2.5, 2.6 & 2.7	Not Available	2.5, 2.6 & 2.7	2.6 & 2.7
OpenSpirit Version Compiled (Hampson-Russell client side)	2.7	Not Available	2.4	2.7
FlexLM Applications (geoview, avo, etc.)	8.1b	8.1b	9.5	8.1b
FlexLM License Manager (Hamp-Russ, and lmgrd package)	8.1b	8.1b	9.5 Red Hat only	8.1b
	Solaris	IRIX	Linux	Windows
Adobe (Acrobat) Reader is no longer included. If you need Adobe Acrobat, please see your IT department. Our help system is no longer in pdf format, but our tutorial guides are still in that format.				

Disclaimer for SeisLoader and View3D:

SeisLoader is one of the many new features added to the Hampson-Russell suite of software for the CE8R1 release. However, we specifically limit the licensing of SeisLoader to the CE8 release only, due to the nature of this product. Although we think you will find SeisLoader to be an excellent addition to our product line, with its simplified data loading, viewing, and ease of interpretation, SeisLoader is currently a prototype for the new seismic interpretation interface for all of our products.

We hope that you will use, enjoy and provide feedback on the interface over the coming months, and provide us with the information to refine the design and incorporate your ideas. The new seismic interpretation interface will be incorporated into our main product lines and SeisLoader as a stand-alone utility will then be removed in the CE9 release.

Similarly, View3D is a visualization tool which will be incorporated gradually into all our products.