

**Hampson-Russell**  
**A CGGVeritas Company**

**Release Notes - Software Release CE8/R4**

(Last Revision: April 22, 2009)

Software Release Date: March 19, 2009

**List of Products:**

Product Name:	Features supplied for version CE8/R4:			Comments:
AFI	afi			Must also have AVO.
AVO	avo	geoview pro3d	elog	
eLog	elog	geoview		
EMERGE	emerge	geoview	elog	
GLI3D	gli3d			
ISMap	ismap	Geoview		
Pro4D	pro4d	geoview		
ProMC	promc	geoview		
STRATA	strata	geoview bstrata	elog	
GeoView	geoview	seisloader		Please read a disclaimer notice below.
		view3d		Please read a disclaimer notice below.

Product Name:	Licenses Supplied with Products														
	afi 3.00	avo 7.00	bstrata 7.00	elog 5.00	emerge 5.00	geoview 5.00	gli3d 8.00	glipick 8.00	ismap 6.00	pro3d 7.00	pro4d 3.00	promc 2.00	seisloader 1.00	strata 7.00	view3d 1.00
AFI	+														
AVO		+		+		+				+			+		+
AVO modeling		+		+		+							+		+
AVO processing						+				+			+		+
eLog				+		+									
EMERGE				+	+	+							+		+
GLI3D							+	+							
ISMap						+			+				+		+
Pro4D						+					+		+		+
ProMC						+						+	+		+
STRATA			+	+		+							+	+	+

## **List of New Features and Enhancements:**

### **Summary**

This is a patch release, containing rigorous bug fixes and some enhancements.

### **The Most Important Features:**

1. ISMAP: Import seismic data in ascii format with multiple columns. (Galaxy)
2. PRO4D bug fixes.
3. OpenSpirit Well-Log-Exchange added.
4. OpenWorks R5000 Well-Log Exchange added.
5. SeisWorks R5000 seismic added.
6. STRATA bug fixes.
7. ISMap features added.

### **Details**

#### **Geoview**

*See also the Third party data connections section below for OpenWorks and GeoFrame well, log and tops handling and improvements.*

1. You can now import multiple deviation files as a batch import when they have the same format. (#2636)

#### **eLOG**

2. You can now export zero-offset synthetics in depth mode. (#2696)

#### **Fluid Replacement Modeling (FRM)**

Nothing new this release.

#### **AFI**

Nothing new this release.

#### **AVO**

Nothing new this release.

#### **AVO Analysis and Processing:**

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

3. Bad data in gathers are now detected during the INVEST process, so all gathers are still displayed. (#2281)

### **AVO Modeling:**

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

4. Fixed a bug in AVO Wedge Modeling and Systematic Changes: the 2-Phase fluid specification in systematic changes was broken. (#2714)

### **EMERGE**

Nothing new this release.

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

5. The external attribute name can now be the same as the Target Log name, so the target log is not hidden. (#2561)
6. Log to Log prediction: wells with mixed depth units (feet and meters) are now handled correctly. (#2690)

### **GLI3D**

Nothing new this release.

### **ISMAP**

7. We have improved the way the secondary data is scaled with respect to the primary data before we perform the cokriging and simulation. (#2565)
8. We have modified the ASCII file attribute input to read a group of columns simultaneously. (#2664)
9. We added the option of outputting all simulation maps at the same time. (#2697)

### **PRO4D**

10. A data slice hangs if the input line is too short. (#2709)
11. We made the Histogram display menu more readable. (#2710)
12. We added five point interpolation for volume interpolation in the calculation of cross-correlation. (#2711)
13. The Apply Time Shift operation will no longer crash if the input seismic has dead traces. (#2712)
14. We removed phase congruency and curvature from the map regrid options. (#2713)
15. You can now calculate a volume of NRMS values and specify the window size. (#2526)

*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

Nothing new this release.

*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.*

## STRATA

*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

### Data Slice, Base Map, Horizons

16. Added two new options: (1) "Single CDP" mode for picking, deleting and smoothing. (2) New picking parameter to optionally exclude zero-amplitude picks. (#2657)

### Installation

17. We provide support for Red Hat Enterprise Linux 5. (#2675)

### Cross Plot

Nothing new this release.

### Time-Velocity Table

Nothing new this release.

### Seismic Data Handling

Nothing new this release.

### Trace Plotting

18. The color of log plot samples was shifted by one sample when being inserted in the seismic window in because of Time Sample Resolution. This has been fixed. (#2671)
19. The trace wiggle will now plot properly after the "Trace Multiplier" process has been applied. (#2701)

### Wavelet

Nothing new this release.

## Third party data connections

### Well Exchange / OpenSpirit

20. Create a new Well Exchange link to provide OpenSpirit handling of wells and logs. (#162)

### Well Exchange / OpenWorks

21. The correct wells are now displayed for specific well lists. (#2676)
22. Well Exchange does not crash when moving from well tab to curves. (#2700)
23. Upgrade Well Exchange / OpenWorks to the new Landmark R5000 release. (#2273)

### SeisWorks

24. Upgrade SeisWorks server (swsv) to the new Landmark R5000 release. (#2274)

### View3D

25. A deviated well path display bug, for the special condition of horizontal wells has been fixed. (#2555)
26. View3D does not crash when you restart from Geoview a second time. (#2658)

### Hampson-Russell Assistant

27. The zoom now works for the HR assistant on Linux. (#2061)

### 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 / Sparc Solaris	CE8/R4	March 19, 2009
SGI / IRIX	CE8/R4	March 19, 2009
LINUX / Red Hat	CE8/R4	March 19, 2009
PC / Windows	CE8/R4	March 19, 2009

Supported Operating Systems are listed on the HRS Hardware Specifications page at [http://www.cggveritas.com/data//1/rec\\_docs/812\\_HRS\\_Hardware\\_Specification\\_2008-12.pdf](http://www.cggveritas.com/data//1/rec_docs/812_HRS_Hardware_Specification_2008-12.pdf).

**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>
<b>AFI</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>Autocal(32-bit)</b>	March 13, 2009	March 13, 2009	March 13, 2009	March 12, 2009
<b>Autocal(64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>Backgroundservices (32-bit)</b>	March 13, 2009	March 13, 2009	March 13, 2009	March 12, 2009
<b>Backgroundservices (64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>AVO</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>eLog</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>EMERGE</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>GeoView(32-bit)</b>	March 13, 2009	March 13, 2009	March 13, 2009	March 12, 2009
<b>GeoView (64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>logdialog</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>GLI3D</b>	Sept 23, 2008	Oct 9, 2008	Sept 23, 2008	Not Available
<b>ISMap</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>ismapEmerge(32-bit)</b>	March 13, 2009	March 13, 2009	March 13, 2009	March 12, 2009
<b>ismapEmerge(64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>Pro4D</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>ProMC</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>SeisLoader(32-bit)</b>	March 13, 2009	March 13, 2009	March 13, 2009	March 12, 2009
<b>SeisLoader(64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>STRATA</b>	March 12, 2009	March 12, 2009	March 12, 2009	March 12, 2009
<b>strataBatch(32-bit)</b>	March 2, 2009	March 2, 2009	March 2, 2009	March 2, 2009
<b>strataBatch(64-bit)</b>	March 2, 2009	Not Available	March 2, 2009	March 2, 2009
<b>View3D (32-bit)</b>	Not Available	Not Available	March 13, 2009	March 12, 2009
<b>View3D (64-bit)</b>	March 13, 2009	Not Available	March 13, 2009	March 12, 2009
<b>swsv (SeisWorks) Emerald City R2003.12</b>	Feb 20, 2009	Dec 11, 2007	March 4, 2009	Not Available

swsv (SeisWorks R5000)	Feb 20, 2009	Not Available	March 2, 2009 (32 bit), (64-bit unavailable)	Not Available
WLEx (OpenWorks Emerald City R2003.12)	March 13, 2009	Oct 24, 2008	March 6, 2009	Not Available
WLEx (OpenWorks R5000)	March 13, 2009	Not Available	March 13, 2009	Not Available
WLEx (OpenSpirit)	March 13, 2009	Not Available	March 16, 2009	March 12, 2009
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
WLEX (GeoFrame 4.3)	Sep 7, 2008	Not Available	Sep 7, 2008	Not Available
OpenSpirit (well data support)	2.9.4, 3.1.1	Not Available	2.9.4, 3.1.1	2.9.4, 3.1.1
OpenSpirit (seismic data support)	2.9.4	Not Available	2.9.4	2.9.4
FLEXlm 32-bit applications	8.1b	8.1b	9.5.0	8.1b
FLEXlm 64-bit applications	9.5.0	Not Available	9.5.0	FLEXnet 11.4.0
FLEXnet License Manager (Hamp-Russ, and lmgd package)	11.4.0	FLEXlm 8.1b	11.4.0	11.4.0
	<i>Solaris</i>	<i>IRIX</i>	<i>Linux</i>	<i>Windows</i>
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 CE8 releases. However, we specifically limit the licensing of SeisLoader to the CE8 releases 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 not be in the CE9 release.

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