

HiROC Software Dependencies		Last update: 16 June, 2006			
Subsystem	Software Dependency	Version	Location Dependency	Context	Source (*see External)
Build	Release	1.7		Build	idaeim
	CVS	1.12.9		Build	http://www.nongnu.org/cvs/
	gmake			Build	*
	Doxygen			Build (docs)	*
	pod2html			Build (docs)	*
	PERL				*
	pod2man			Build (docs)	*
	PERL				*
HiCommand	Java SDK			Build	
	Java RT			Runtime	
	PIRL Java Packages			Build/Runtime	*
	PERL			Runtime	*
HiPlan	Java SDK			Build	*
	Java RT			Runtime	*
	jmars/MTT			Build/Runtime	*
	PIRL Java Packages			Build/Runtime	*
	JFreeChart	0.9.20	/opt/java/JFree/jfreechart.jar	Build/Runtime	http://www.jfree.org/jfreechart
	Jcommon	0.9.5	/opt/java/JFree/jcommon.jar	Build/Runtime	http://www.jfree.org/jcommon
libHiRISE	g++			Build	*
	Boost regex			Build	*
	Doxygen			Build	*
	Java SDK			Build	*
HiDog	PERL			Runtime	*
	Sys::Hostname::Long				
	File::Spec				
	IO::Handle				
	Pod::Usage				
FEI_Watchdog	FEI client	1.8.0		Runtime	JPL
	PIRL Java Packages				*
	Configuration				
	Conductor				
	Pipeline_Source				
	PERL				
	Cwd				
	Notify				
	Database				
	Update_DB				
FEI_Watch					
HiDOG_Pipeline-Create	MySQL client			Build	
EDRgen					
	EDRgen_Pipeline-Create				
EDRgen_Pipeline-Create	PERL			Build	*
	MySQL client				*
Conductor	PIRL_Java_Packages			Runtime	*
	find_bytes			Runtime	*
	set_Channel_ID			Runtime	*
	HiRISE_Observation				
	PIRL_Java Packages				*
	Database				
	Update_DB				
	HiRISE_Observation			Runtime	
PVL_to_DB	Java RT		Runtime	*	
	PIRL Java Packages			Runtime	*
	PVL				
	Database				
	Configuration				
Observation	g++			Build	*
	libHiRISE				
	PIRL++		/opt/local/PIRL	Build (Runtime)	*
	idaeim (PVL)		/opt/idaeim	Build (Runtime)	*
	Doxygen				*
	NAIF CSPICE Toolkit	58	/opt/naif	Build (Runtime)	http://naif.jpl.nasa.gov/naif/toolkit.html
libObservation					
Observation					
Data_Vet	mysql libraray		/opt/mysql_ab/mysql	Build (Runtime)	*
Check	mysql++	1.7.40	/opt/mysql_ab/mysql	Build (Runtime)	http://tangentsoft.net/mysql++/
EDR_Stats	PERL				*
	PPVL	1.15			http://pirlwww.lpl.arizona.edu/software/PPVL/
	PPVL_report				
	ISIS				
	hirise2isis				
	hstat				
getkey					
HiCat	MySQL server	4.0.13		Build/Runtime	*
	PERL				*
	XML::LibXML				
	XML::LibXML::Common				
	XML::SAX				
	XML::Namespace::Support				
	libXML2				
	xerces				
	xalan				
	PERL			Build	*
DBI::					
DBD::MySQL					
TERM::ReadKey					
Sys::Hostname::Long					
ENGmon	Java				*
HiGeom	ISIS			Build/Runtime	*
Not yet released:					
HiWeb					

HiROC Software Dependencies (External)

Package	Software Dependency	Version	Location Dependency	Context	Source
gmake		3.80		Build	http://directory.fsf.org/make.html
g++ (gcc)		3.3.6		Build (Runtime)	http://gcc.gnu.org/
Boost	libboost_regex	1.31	/opt/pub/lib	Build (Runtime)	http://www.boost.org/
PIRL++		1.3.4	/opt/local/PIRL	Build (Runtime)	http://pirlwww.lpl.arizona.edu/software/PIRL++/
	Data_Block			Build (Runtime)	
	Cache			Build (Runtime)	
idaeim		0.4.1	/opt/idaeim	Build (Runtime)	ftp://pirftp.lpl.arizona.edu/pub/idaeim/
	PVL			Build (Runtime)	
	Strings			Build (Runtime)	
	Utility			Build (Runtime)	
Doxygen		1.3.7		Build (docs)	http://www.stack.nl/~dimitri/doxygen/
	dot (graphviz)	1.7.15		Build (docs)	http://www.graphviz.org/
PERL		5.8		Build/Runtime	
	Pod::Usage			Runtime	
	pod2html			Build (docs)	
	pod2man			Build (docs)	
	XML::LibXML				
	XML::LibXML::Common				
	XML::SAX				
	XML::Namespace::Support				
	DBI::				
	DBD::MySQL				
	TERM::ReadKey				
	Sys::Hostname::Long				
jmars/MTT				Build/Runtime	HiROC custom distribution of ASU software
PIRL Java Packages		1.5.1	/opt/java/PIRL/	Build/Runtime	http://pirlwww.lpl.arizona.edu/software/PIRL_Java_Packages.shtml
	Java SDK	1.4.2		Build	
	Java RT	1.4.2		Runtime	
	Conductor			Build/Runtime	
	JFC Process class patch	1.4		Build/Runtime	(included with Conductor distribution)
	Java Components for Mathematics	1.0	/opt/java/jcm/jcm_data.jar	Build/Runtime	http://math.hws.edu/javamath/
	Configuration				
	Database			Build/Runtime	
	MySQL_Connector/J	3.0.14	/opt/java/mysql-connector/mysql-connector.jar	Build/Runtime	http://www.mysql.com/
	PVL			Build/Runtime	
	Strings			Build/Runtime	
	Utilitites			Build/Runtime	
Java					
	Software Development Kit (SDK)	1.4.2		Build	
	Run Time Environment (RT)	1.4.2		Runtime	
MySQL					
	server	4.0.13		Runtime	http://www.mysql.com/
	client	4.0.13		Build	http://www.mysql.com/
	library	4.0.13	/opt/mysql_ab/mysql	Build (Runtime)	http://www.mysql.com/
ISIS	g++				
	Doxygen				
	TNT	1.2.6		Build	http://math.nist.gov/tnt/
	Jama	1.2.4		Build	http://math.nist.gov/tnt/
	Xerces	2.6.0		Build (Runtime)	http://xml.apache.org/xerces-c/
	Xalan	1.9.0		Build	http://xml.apache.org/xalan-c/
	Qt (Going to Qt4 soon)	4.0.1		Build (Runtime)	http://www.trolltech.com/
	NAIF	58		Build	http://naif.jpl.nasa.gov/naif/toolkit.html
	GEOS	2.1.4		Build (Runtime)	http://geos.refractions.net/
Operating Systems	SUSE Linux	9			http://www.novell.com/linux/
	Sun Solaris	9			http://www.sun.com/software/solaris/
	Apple Macintosh OS X	10.4			http://www.apple.com/macosx/