How to prepare and use Corelyzer in conjunction with DIS

Install the most recent version of the Corelyzer using the download link <u>http://www.corewall.org</u>, and perform the installation.

1. Prepare the File System

For Corelyzer a subset of the ExpeditionDIS-subfolders are mandatory:

- SlabbedCoreScans and/or UnrolledCoreScans contain(s) the low-resolution DIS scan images of the core sections
- SlabbedCoreScans_Orig_Jpeg and/or UnrolledCoreScans_Orig_Jpeg contain(s) the high-resolution DIS scan images of the core sections
- rms

contains the xml-files per hole of the core section images and litho descriptions, MSCL-data and/or XRF-data. These xml-files are/have been generated by the XML Export tool of the DIS.

Downhole_Logs
 Contains tab-delimited text files of logging data:
 The first column must be the depth
 Followed by a number of columns of measured numerical values
 On top of the file must be one line with the tab-delimited column names. Four additional text lines are required, they can contain additional remarks

Example:

Example.												
Depth (m)Si (a)	S (a)	CI (a)	K (a)	Ca (a)	Ti (a)	Fe (a)	Sr (a)	Ba (a)	Mg (a)	Al (a)		
Depth (m)Si (a)	S (a)	CI (a)	K (a)	Ca (a)	Ti (a)	Fe (a)	Sr (a)	Ba (a)	Mg (a)	Al (a)		
5017_1_B: The X	RF data ca	an only be	used for c	qualitative in	nterpretati	ions, as the	ey reflect r	aw counts	from unca	librated, ve	ery quick s	scans .
Depth (m)Si (a)	S (a)	CI (a)	K (a)	Ca (a)	Ti (a)	Fe (a)	Sr (a)	Ba (a)	Mg (a)	Al (a)		
Depth (m)Si (a)	S (a)	CI (a)	K (a)	Ca (a)	Ti (a)	Fe (a)	Sr (a)	Ba (a)	Mg (a)	Al (a)		
2.069 123	52	4440	938	14219	483	1392	114	12	8	6		
2.07 161	12	4430	942	12828	604	1547	56	0	0	5		

If you do not have DIS on your system you can create the same subfolders under a folder of your selection.

Caution: !!! The selected path must not contain any BLANKS in any part !!!!

2. Corelyzer Preferences - Settings

		0.23	m			
		0.23	III			
Corelyzer1.3.8.1 Edit Share Plugins Lists 1	Coolo Holo					
My Core Repository		land				
Local	5	Main Panel Session Track		Sections	Data Files	Fields
	2 V					
Subscriptions					Ц	
Subscriptions			ทร			
Subscriptions	ription	Directo	ories	Display		
Subscriptions	ription	Directo		Display		
Subscriptions	ription efix:	Directo C:\Expe	ories	Display Select		
Subscriptions	ription efix:	Directo C:\Expe	ditionDIS-BBCF	Display Select		

Go over 'Edit' – 'Preferences' – 'DIS'. Select for the 'Local Path Prefix' the ExpeditionDIS-folder by a click on the 'Browse'-button.

3. Loading Images

My Core Rep		Main Panel		Teach Cost								
criptions		Sess	ion	Track	Sec	tions	Data Files	Fie	lds	-		
Accessing	Drilling Inform	ation System	(DIS)									
Images	Downhole Lo											
Data sourc	e: 5017_1_C											
	Exp	Site	Hole	Core	Section	Depth	Length	URL	Top Offset	Botto		
	DSDDP	Northern		1A	1 1	30.57	1.13	file:/C:/Ex		0		
	DSDDP	Northern	C	4A	4 1	33.62	.53	file:/C:/Ex		0		
	DSDDP	Northern	C	6A	6 1	44.32	.77	NOT FOU.		0		
	DSDDP	Northern	C	7A	7 1	44.93	1.28	file:/C:/Ex		0		
	DSDDP	Northern		7A	7_2	46.21	1.3	file:/C:/Ex		0		
	DSDDP	Northern		8A	8 1	47.37	.67	file:/C:/Ex		0		
	DSDDP	Northern	C	9A	9_1	48.87	.85	file:/C:/Ex		0		
	DSDDP	Northern	C	10A	10_1	50.17	.25	file:/C:/Ex	0	0		
Images:	DSDDP	Northern	C	11A	11_1	51.82	1.26	file:/C:/Ex	0	0		
	DSDDP	Northern	С	12A	12_1	53.46	.95	NOT FOU.	. 0	0		
	DSDDP	Northern	С	14A	14_1	57.51	.25	file:/C:/Ex	0	0		
	DSDDP	Northern	С	15A	15_1	58.86	1.03	file:/C:/Ex	0	0		
	DSDDP	Northern	С	15A	15_2	59.89	1.13	file:/C:/Ex	0	0		
	DSDDP	Northern	C	16A	16_1	60.86	.15	NOT FOU.	. 0	0		
	DSDDP	Northern	С	18A	18_1	62.21	1.11	NOT FOU.	. 0	0		

Click on 'Lists' – 'DIS-Lists', select 'Images' and pick up a 'Data Source' from the list. You can specify whether you want to load even the high-resolution images and whether you want ignore CC-images. You can select single images or the full list. Finally click on 'Load'.

- Loading MSCL- or XML-Data Click on 'Lists' – 'DIS-Lists', select 'MSCL logs' and pick up one MSCLxml or XRF_MSCL.xml file from the list. Finally click on 'Load'.
- 5. Loading (Downhole) Log Data Click on 'Lists' – 'DIS-Lists', select 'Downhole Logs' and pick up one Logdata-txt file from the list. Finally click on 'Load'.
- 6. For ICDP-Projects:

The corresponding images and data files can be found on the project Web page: http://www.icdp-online.org. Then login (you need to be Science Team Member of the desired project). Click 'Projects', browse to the project page, and open the 'Internal Data' or the 'Internal Images' page.