

CRSP/ZIMAN REAL ESTATE DATA SERIES RELEASE NOTES

MAY 2014 MONTHLY UPDATE

FILE VERSION SPECIFICS

- The CRSP/Ziman Real Estate Data Series contains data through May 2014, shipped in June.
- The data series contains 589 securities of which 207 are currently trading. The date range is from 19800102-20140530.
- There is one DVD included with this release that may be installed on three platforms: Windows, Linux and Sun. ASCII and SAS versions of the data series are available for all three platforms, and in addition, a Microsoft Access database is available for Windows. The Zip files available for download include a version for each different set of files, found in the table in the zip file structure section below.

RESEARCH AND PROGRAMMING NOTES

Prices and indexes in this product begin in January of 1980. This is true even when the Ziman REIT Info table states that the REIT was in existence prior to 1980.

The base year for the CRSP/Ziman Indexes is 12/30/1994, at which point they are set to a value of 100. This differs from CRSP Market Indexes which are set to 100 on 12/29/1972.

Due to some inconsistent trading early in the time series, a few additional rules were implemented to improve the continuity of the portfolios used to calculate the indexes. Please refer to Chapter 2 of the CRSP/Ziman Real Estate Data Series Guide for an explanation of universe and price selection criteria.

201405 REIT SUMMARY

PERMNO	COMPANY NAME	TICKER	CUSIP	START DATE	END DATE
ADDS					
14638	WASHINGTON PRIME GROUP INC	WPG	93964710	5/29/2014	5/30/2014

DATABASE CHANGES

PERMNO 12965 (AMERICAN CAPITAL MTG INVT CORP) had a shares outstanding change to 51254 from 51356 for 20140227-20140330 and to 51142 from 51356 for 20140331-present.

PERMNO 13003 (AMERICAN REALTY CAPITAL PROP INC) had a shares outstanding change to 769932 from 766129 for 20140331-20140423 and to 786447 from 766129 for 20140424-20140506.

PERMNO 13700 (WHEELER REAL ESTATE INV TR INC) had a shares outstanding change to 7216 from 7121 for 20140319-present.

PERMNO 13752 (CYRUSONE INC) had a shares outstanding change to 22692 from 22020 for 20140303-20140330 and to 22679 from 22020 for 20140331-present.

PERMNO 14252 (GAMING & LEISURE PROPERTIES INC) had a shares outstanding change to 112102 from 112132 for 20140319-20140330 and to 111772 from 112132 for 20140331-present.

PERMNO 14598 (AMERICAN REALTY CAP HLTHCR TR IN) had a shares outstanding change to 182938 from 169302 for 20140421-20140508.

PERMNO 80014 (C I M COMMERCIAL TRUST CORP) had a shares outstanding change to 33133 from 10596 for 20140331-20140410.

3PERMNO 81087 (SUPERTEL HOSPITALITY INC VA) had a shares outstanding change to 2901 from 2898 for 20140422-present.

PERMNO 90092 (SABRA HEALTHCARE REIT INC) had a shares outstanding change to 39143 from 38933 for 20140331-20140420 and to 39213 from 38933 for 20140421-20140430.

PERMNO 90498 (TRADE STREET RESIDENTIAL INC) had a shares outstanding change to 36576 from 36581 for 20140331-present.

PERMNO 92343 (RETAIL OPPORTUNITY INVST CORP) had a shares outstanding change to 73587 from 72699 for 20140307-20140330 and to 73345 from 72699 for 20140331-present.

PERMNO 92680 (AMERICAN CAPITAL AGENCY CORP) had a shares outstanding change to 354232 from 356152 for 20140227-20140330 and to 352800 from 356152 for 20140331-present.

DELIVERY METHOD, INSTALLS, AND DATA FORMATS

DELIVERY

CRSP data delivery for all products is available through the “Cloud.” By utilizing IPSwitch’s MOVEit Cloud product (<https://crsp.moveitcloud.com>), you can download data products either on demand, or with scheduled processes.

ZIP INSTALLS

CRSP uses a zip process for data installation. ZIP utilities that are standard on all platforms should work to unzip the databases. On Windows computers, CRSP recommends using 7-ZIP, which can be downloaded from this site: <http://www.7-zip.org/>

Several important items to note:

- All directories are extracted to lower case letters. For example: C:\crspdata\raz201308
- All Windows Users: Extracting a zipped file does not create an installed program in Windows. It will not show in the Windows Control Panel. When uninstalling the data, just delete the directories that contain the detailed files

Red Hat Linux Users: If your version of Red Hat is earlier than 6.0, you will need to install an updated version of the “File Roller” program in order to install the data.

ZIP FILE STRUCTURE AND PROCESS:

Three separate zip files need to be unzipped separately. Unzip the files into the root or home or your target directory. For example, c:\ in Windows; /home for Linux and Solaris. The unzip process will create the \crspdata subdirectory.

Note that the destination directories have also changed as part of this process:

ZIP FILE ON DISK	DESCRIPTION	INSTALL PATH
razyyyyymm_ascii	ASCII files	\crspdata\razyyyyymm_ascii
razyyyyymm_msaccess	MS Access tables	\crspdata\razyyyyymm_msaccess
razyyyyymm_sas	SAS files	\crspdata\razyyyyymm_sas

SYSTEM REQUIREMENTS

- SAS version 8 or higher, Microsoft Access, or an analytical tool of your choice
- Sufficient disk space to load and manipulate the data series.*

DATA SERIES FORMAT	MONTHLY DATA SERIES	DAILY/MONTHLY DATA SERIES
ASCII	10.8 MB	231 MB
Microsoft Access	10.6 MB	198 MB
SAS V 9.1	12.4 MB	245 MB

*Additional disk space will be needed for data manipulation.

FILE NAME SPECIFICATIONS AND INSTALLATION

ASCII

All files contain variable-width records, ending with line-feeds, with pipe-delimited “|” fields. There are no header records. See Table Definitions in Chapter 3 for field order in each file.

FILE NAME	DESCRIPTION
crsp_daily_data.txt*	daily REIT security data
crsp_header.txt	security REIT header data
crsp_monthly_data.txt	monthly REIT security data
crsp_names.txt	security name history of REITS
crsp_ziman_daily_index.txt*	daily index results
crsp_ziman_monthly_index.txt	monthly index results
index_type_map.txt	definitions of REIT indexes and characteristics
price_type.txt	definitions of available price types
Property_type.txt	definitions of available REIT property types
reit_type.txt	definitions of available REIT categories
sub_property_type.txt	definitions of available REIT property subtypes
ziman_reit_info.txt	REIT information

SAS

Column names and labels are embedded in the data sets. The full descriptions for fields can be found in the table definitions section of Chapter 3.

FILE NAME	DESCRIPTION
crsp_daily_data.sas7bdat*	daily REIT security data and index
crsp_daily_data.sas7bndx*	
crsp_header.sas7bdat	security REIT header data and index
crsp_header.sas7bndx	
crsp_monthly_data.sas7bdat	monthly REIT security data and index
crsp_monthly_data.sas7bndx	
crsp_names.sas7bdat	security name history of REITS and index
crsp_names.sas7bndx	
crsp_ziman_daily_index.sas7bdat*	daily index results and index
crsp_ziman_daily_index.sas7bndx*	
crsp_ziman_monthly_index.sas7bdat	monthly index results and index
crsp_ziman_monthly_index.sas7bndx	
index_type_map.sas7bdat	definitions of REIT indexes and characteristics
price_type.sas7bdat	definitions of available price types
Property_type.sas7bdat	definitions of available REIT property types
reit_type.sas7bdat	definitions of available REIT categories
sub_property_type.sas7bdat	definitions of available REIT property subtypes
ziman_reit_info.sas7bdat	REIT information and index
ziman_reit_info.sas7bndx	

MSAccess

A Microsoft Access database is provided named `reit_db.mdb` containing all data tables. The database is in Access 2000 file format. The design view menu within Access can be used to view available fields, data types, and descriptions.