CRSP ZIMAN/REAL ESTATE DATA SERIES RELEASE NOTES

NOVEMBER 2021 MONTHLY UPDATE

FILE VERSION SPECIFICS

- The CRSP/Ziman Real Estate Data Series contains data through November 2021, available in December 2021.
- The data series contains 669 securities of which 216 are currently trading. The date range is from 19800102-20211130.
- This release may be installed on Windows and Linux. ASCII, SAS and R versions of the data series are available for all three platforms. 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.

202111 REIT SUMMARY

CRSP ADDS, DELISTS, AND CHANGES

PERMNO	COMPANY NAME	TICKER	CUSIP	START DATE	END DATE
ADDS					
22360	C B L & ASSOCIATES PPTYS INC	CBL	12483087	20211102	20211130
22362	CLAROS MORTGAGE TRUST INC	CMTG	18270D10	20211103	20211130
22264	ORION OFFICE REIT INC	ONL	68629Y10	20211115	20211130
DELISTS					
13003	VEREIT INC	VER	92339V30	20110907	20211029

CRSP DATABASE CHANGES

PERMNO	COMPANY NAME	DESCRIPTION
13752	CYRUSONE INC	SHARES OUTSTANDING CHANGE FROM 126914 TO 126912 FOR 20211022-PRESENT.
13756	GLADSTONE LAND CORP	SHARES OUTSTANDING CHANGE FROM 31327 TO 32044 FOR 20210930-20211107.
14252	GAMING & LEISURE PROPERTIES INC	SHARES OUTSTANDING CHANGE FROM 237976 TO 238351 FOR 20211025-PRESENT.
14651	CARETRUST REIT INC	SHARES OUTSTANDING CHANGE FROM 97035 TO 96297 FOR 20210930-20211104.
15279	UNITI GROUP INC	SHARES OUTSTANDING CHANGE FROM 233407 TO 234495 FOR 20210930-20211028 AND CHANGED FROM 234495 TO 236071 FOR 20211029-PRESENT.
17952	AMERICAN FINANCE TRUST INC	SHARES OUTSTANDING CHANGE FROM 117820 TO 123506 FOR 20210930-20211028.
18259	MEDALIST DIVERSIFIED REIT INC	SHARES OUTSTANDING CHANGE FROM 16266 TO 16053 FOR 20210930-20211111.
19858	PRESIDIO PROPERTY TRUST INC	SHARES OUTSTANDING CHANGE FROM 10508 TO 11490 FOR 20210930-PRESENT.
46703	HOST HOTELS & RESORTS INC	SHARES OUTSTANDING CHANGE FROM 713973 TO 714000 FOR 20210930-20211101.

PERMNO	COMPANY NAME	DESCRIPTION
49744	POTLATCHDELTIC CORP	SHARES OUTSTANDING CHANGE FROM 67100 TO 67101 FOR 20211027-PRESENT.
79782	REGENCY CENTERS CORP	SHARES OUTSTANDING CHANGE FROM 169874 TO 170732 FOR 20210930-20211103.
81045	REALTY INCOME CORP	SHARES OUTSTANDING CHANGE FROM 389388 TO 404213 FOR 20211029-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:

Four individual 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. The unzip process will created the \crspdata subdirectory.

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

ZIP FILE ON DISK	DESCRIPTION	INSTALL PATH
RAZYYYYMM_ASCII	ASCII FILES	\CRSPDATA\RAZYYYYMM_ASCII
RAZYYYYMM_SAS	SAS FILES	\CRSPDATA\RAZYYYYMM_SAS
RAZYYYYMM_R	R FILES	\CRSPDATA\RAZYYYYMM_R

Contact CRSP Client Services for assistance at support@crsp.org or call 312-263-6400, Option 2.

SYSTEM REQUIREMENTS

- SAS, ASCII, R, 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	11.2 MB	241 MB
SAS	12.7 MB	260 MB
R FILES	N/A	34.6 MB

*Additional disk space will be needed for data manipulation.

File name specifications and installation information can now be found in the guide.