



## Advance Search Download Results Attribute List and Data Type

The disclosure information on DUS Disclose will be searchable and available for download for any registered user. The downloaded search results will contain the information represented in this file layout document. This is available to assist with the consumption of the downloadable information. The file is pipe delimited.

Field Name	Format
Security Transaction ID	varchar
Security CUSIP	varchar
Additional Disclosure Indicator	varchar
Security Prefix	varchar
Security Execution Type	varchar
Security Product Type	varchar
Security Interest Type	varchar
Security ARM Subtype	varchar
Security Status	varchar
Security UPB (\$) - Current	numeric
Security UPB (\$) - Issuance	numeric
Security Number of Loans - Current	numeric
Security Number of Loans - Issuance	numeric
Security Number of Properties - Current	numeric
Security Number of Properties - Issuance	numeric
Security Resecuritization	varchar
Security Issue Date	date
Security Settlement Date	date
Security First Payment Date	date
Security Next Rate Change Date	date
Security Next Distribution Date	date
Security Resecuritized Date	date
Security Terminated Date	date
Security Dissolved Date	date
Security Maturity Date	date
Security Factor	numeric
Security Paying PTR (%)	numeric
Security WA Accruing Note Rate (%) - Current	numeric
Security WA Accruing Note Rate (%) - Issuance	numeric
Security WA Loan Term	numeric
Security WA Remaining Term	numeric
Security Seasoning - Current	numeric
Security Seasoning - Issuance	numeric
Security WA Amortization Term	numeric



Field Name	Format
Security WA Original I/O Term	numeric
Security WA MBS Margin (%)	numeric
Security WA Accruing PTR (%)	numeric
Security WA Lifetime PTR Cap (%)	numeric
Security WA Lifetime PTR Floor (%)	numeric
Security WA LTV (%) - Issuance	numeric
Security WA NCF DSCR (x)	numeric
Security Total Interest Distribution (\$)	numeric
Security Total Principal Distribution (\$)	numeric
Security Number of Prepaid Loans	numeric
Security Prepaid Loans Principal Amount (\$)	numeric
Security Prepayment Allocation (\$)	numeric
Security Cumulative Prepayment Allocation (\$)	numeric
Loan Number	varchar
Loan Interest Type	varchar
Loan Amortization Type	varchar
Loan Defeasance Status	varchar
Loan Seller	varchar
Loan Servicer Name	varchar
Loan Payment Status	varchar
Loan UPB - Current (\$)	numeric
Loan Original UPB (\$)	numeric
Loan Total Debt Current Balance (\$) - Issuance	numeric
Loan Balance per Unit (\$)	numeric
Loan Green Financing Type	varchar
Loan Lien Position	varchar
Loan Purpose	varchar
Loan Tier	varchar
Loan Tier Drop Eligible	varchar
Loan Cross-Collateralized Loan	varchar
Loan Cross Defaulted Loan	varchar
Loan Note Date	date
Loan First Payment Date	date
Loan First Scheduled Rate Change Date in Trust	date
Loan First Scheduled Payment Change Date in Trust	date
Loan Next Rate Change Date	date
Loan Next Payment Change Date	date
Loan I/O End Date	date
Lockout End Date	date
Loan Prepayment Type	varchar
Loan Prepayment End Date	date



Field Name	Format
Loan Prepayment Provision	varchar
Loan Prepayment Provision End Date	date
Loan Maturity Date	date
Loan Paying Note Rate (%) - Current	numeric
Loan Paying Note Rate (%) - Issuance	numeric
Loan Original Note Rate (%)	numeric
Loan Paying PTR (%) - Current	numeric
Loan Paying PTR (%) - Issuance	numeric
Loan ARM Index	varchar
Loan ARM Margin (%)	numeric
Loan Note Rate Cap (%)	numeric
Loan Note Rate Floor (%)	numeric
Loan Periodic Rate Change Increase (%)	numeric
Loan Periodic Rate Change Decrease (%)	numeric
Loan Periodic Payment Change Increase (%)	numeric
Loan Periodic Payment Change Decrease (%)	numeric
Loan Rate Reset Frequency	numeric
Loan Payment Reset Frequency	numeric
Loan Lookback Period	numeric
Loan Convertible	varchar
Loan Conversion Eligibility Start Date	date
Loan Conversion Eligibility End Date	date
Loan Initial Fixed Term	numeric
Loan Initial Fixed Term End Date	date
Loan Fixed Principal Payment Amount (\$)	numeric
Loan Accrual Method	varchar
Loan Original Term	numeric
Loan Remaining Term	numeric
Loan Seasoning - Current	numeric
Loan Seasoning – Issuance	numeric
Loan Amortization Term	numeric
Loan Original I/O Term	numeric
Loan UW NCF DSCR (x)	numeric
Loan UW NCF DSCR (I/O) (x)	numeric
Loan UW NCF DSCR at Cap (x)	numeric
Loan All-In Current NCF DSCR (x)	numeric
Loan All-In UW NCF DSCR (x)	numeric
Loan Current NCF Debt Yield (%)	numeric
Loan UW NCF Debt Yield (%)	numeric
Loan Actual DSCR (x) (Pre-DUS Disclose)	numeric
Loan DSCR at Maximum Payment (x) (Pre-DUS Disclose)	numeric



Field Name	Format
Loan At-Issuance LTV (%)	numeric
Loan All-In At-Issuance LTV (%)	numeric
Loan Monthly Debt Service (\$)	numeric
Loan Monthly Debt Service Amount (\$) - Partial IO	numeric
Loan Scheduled Interest Amount (\$)	numeric
Loan Scheduled Principal Amount (\$)	numeric
Loan Total Scheduled P&I Due (\$)	numeric
Loan Liquidation / Prepayment Code	varchar
Loan Liquidation / Prepayment Date	date
Loan Prepayment Premium / Yield Maintenance (YM) Received (\$)	numeric
Loan Additional Debt Type	varchar
Loan Additional Debt Pool Number & Loan Number	varchar
Loan Additional Debt Balance (\$)	numeric
Loan Additional Debt Monthly Payment (\$)	numeric
Loan Additional Debt Maximum Monthly Payment (\$)	numeric
Loan Additional Debt Lien Priority	varchar
Loan Additional Debt Maturity Date	date
Loan Mezzanine Loan Balance (\$)	numeric
Loan Mezzanine Monthly Payment (\$)	numeric
Loan Mezzanine Loan Initial Term Maturity Date	date
Property ID	numeric
Property Name	varchar
Property Address	varchar
Property City	varchar
Property State	varchar
Property Zip Code	varchar
Property County	varchar
Property MSA	varchar
Property Status	varchar
Property Value (\$)	numeric
Property Value As of Date	date
Property Year Built	numeric
Property Total Units	numeric
Property Ownership Interest	varchar
Property General Property Type	varchar
Property Specific Property Type	varchar
Property Unit of Measure	varchar
Property Affordable Housing Type	varchar
Property % of Units At or Below 50% Area Median Income	numeric
Property % of Units At or Below 60% Area Median Income	numeric
Property % of Units At or Below 80% Area Median Income	numeric



Field Name	Format
Property Units with Income or Rent Restrictions (%)	numeric
Property Age Restricted	varchar
Property HAP Remaining Term	numeric
Property Tax Escrow	varchar
Property Terrorism Insurance	varchar
Property Condition Rating	varchar
Property Condition Rating As of Date	date
Property Green Building Certification	varchar
Property ENERGY STAR® Score	numeric
Property ENERGY STAR® Score Date	date
Property Source Energy Use Intensity	numeric
Property Source Energy Use Intensity Date	date
Property UW EGI (\$)	numeric
Property UW Operating Expenses (%)	numeric
Property UW Replacement Reserves (\$)	numeric
Property UW NCF (\$)	numeric
Property UW Physical Occupancy (%)	numeric
Current Quarter	date
Loan DSCR (x) YTD	numeric
Property EGI (\$) YTD	numeric
Property Operating Expenses (\$) YTD	numeric
Property NCF (\$) YTD	numeric
Property Physical Occupancy (%) YTD	numeric
Preceding Annual Year	date
Loan Preceding Year DSCR (x)	numeric
Property Preceding Year EGI (\$)	numeric
Property Preceding Year Operating Expenses (\$)	numeric
Property Preceding Year NCF (\$)	numeric
Property Preceding Year Physical Occupancy (%)	numeric
2nd Preceding Annual Year	date
Loan 2nd Preceding Year DSCR (x)	numeric
Property 2nd Preceding Year EGI (\$)	numeric
Property 2nd Preceding Year Operating Expenses (\$)	numeric
Property 2nd Preceding Year NCF (\$)	numeric
Property 2nd Preceding Year Physical Occupancy (%)	numeric
3rd Preceding Annual Year	date
Loan 3rd Preceding Year DSCR (x)	numeric
Property 3rd Preceding Year EGI (\$)	numeric
Property 3rd Preceding Year Operating Expenses (\$)	numeric
Property 3rd Preceding Year NCF (\$)	numeric
Property 3rd Preceding Year Physical Occupancy (%)	numeric



Field Name	Format
Credit Facility Deal Max Borrowing Amount (\$)	numeric
Credit Facility Deal Max Permitted LTV (%)	numeric
Credit Facility Deal Min Permitted DSCR (x) - Fixed	numeric
Credit Facility Deal Min Permitted DSCR (x) - ARM	numeric
Credit Facility Deal Additional Loans Allowed	varchar
Credit Facility Deal Property Release Allowed	varchar
Credit Facility Deal Property Substitution Allowed	varchar
Credit Facility Deal Property Additions Allowed	varchar
Credit Facility Deal Total UPB (\$)	numeric
Credit Facility Deal Number of Properties	numeric
Credit Facility Deal LTV (%)	numeric
Credit Facility Deal Property Value (\$)	numeric
Credit Facility Deal Total Collateral Value (\$)	numeric
Credit Facility Deal Other Collateral - Type	varchar
Credit Facility Deal Other Collateral - Amount (\$)	numeric
Credit Facility Deal UW NCF DSCR (x)	numeric
Credit Facility Deal UW NCF DSCR I/O (x)	numeric
Credit Facility Deal Preceding Year	date
Credit Facility Deal Preceding NCF DSCR (x)	numeric
Credit Facility Deal 2nd Preceding Year	date
Credit Facility Deal 2nd Preceding NCF DSCR (x)	numeric
Credit Facility Deal 3rd Preceding Year	date
Credit Facility Deal 3rd Preceding NCF DSCR (x)	numeric