Morningstar Leveraged Loan Indexes v2 File and Delivery Specifications

June 2025

Overview

This document outlines the v2 index file format and delivery specifications for the Morningstar Leveraged Loan Indexes, which are calculated by Morningstar Indexes' calculation platform. The v2 file format is the enhanced file format which contains additional index level and loan analytics.

Implementation Overview

Delivery Channel

Data is delivered via Secure File Transfer Protocol (SFTP) unless otherwise stated. This documentation provides detailed information on the electronic file names, content format of the index files. Files remain in the SFTP site for 21 days before they are automatically deleted, as per Morningstar network policy.

File Delivery Timings

Files are typically delivered every Monday to Friday (including holidays). European index files are delivered 2 - 3 hours after the UK market close. US and Global index files are delivered 2 - 3 hours after the US market close.

Files for Saturday and Sunday are delivered on Friday.

Index Files Delivered

Morningstar will deliver two files per index portfolio consisting of an index levels file and a constituent file on a daily basis.

Index Levels (IDX) File

A daily snapshot of levels and top level index statistics for an index. It may include multiple return types (TR, PR, IR) and any available currency variants. Each standard file reflects one unique index portfolio.

Constituent (CON) File

A daily snapshot of the constituents of an index and constituent level reference data and statistics. Each standard file reflects one unique index portfolio.

Pro forma (PCON) File

A weekly preview (pro forma) of the constituents (membership) of an index for the upcoming rebalanced portfolio, made available on Fridays ahead of the rebalance. Each standard file reflects one unique index portfolio. Currently there are PCON files for the following indexes:

- Morningstar LSTA US Leveraged Loan 100. Clients subscribing to this index will also receive a weekly email notification that summarizes the additions and deletions of the index. The email is sent at least 1 business day prior to the rebalance effective date.
- Morningstar LSTA US Leveraged Loan Index
- Morningstar European Leveraged Loan Index
- Morningstar Global Leveraged Loan Index

Historical Files

Morningstar will provide historical index constituent and index levels in aggregated zip files upon request. The data will be aggregated based on the frequency of the requested historical data. For example – for daily index levels, Morningstar will provide one file per calendar year.

Restatements

In the event of a restatement, restated data will be sent out in the index files as of the effective date, after the restatements have been performed. The restated files will have the same file name as the "original" files, however, the PublishDateTime field in the restated file will be updated from the "original" file.

File Names and Schedule

File	File Description and Name	Frequency
IDX File	A daily file that contains index levels as of the effective date yyyymmdd. Each file includes one unique index portfolio. MSTAR_Index_FullName_MorningstarPortfolioID_IDX_yyyymmdd.csv Example: MSTAR_GLOBAL_LEVERAGED_LOAN_2928560_IDX_20230905.csv	Daily, including weekends and holidays
CON File	A daily snapshot of constituents as of the effective date yyyymmdd. Each file includes one index. MSTAR_Index_FullName_MorningstarPortfolioID_CON_yyyymmdd.csv Example: MSTAR_GLOBAL_LEVERAGED_LOAN_2928560_CON_20230905.csv	Daily, including weekends and holidays
PCON File	A weekly preview (pro forma) of the constituents of an index for the rebalanced portfolio effective date yyyymmdd. Each file includes one index. MSTAR_Index_FullName_MorningstarPortfolioID_PCON_yyyymmdd.csv Example: MSTAR_GLOBAL_LEVERAGED_LOAN_2928560_PCON_20230905.csv	Weekly on Fridays, including holidays

File Contents

This section serves to outline information on the contents of the Levels (IDX), Constituents (CON), and Pro forma (PCON) files.

IDX File

This file contains index levels data. The contents of the file and their definitions are as follows:

IDX Legend: Y = Available, N = Not provided (null value), F = Future Data point (null value), E = May require entitlement, 0 = May be null

Field Name	Format	IDX	Description
EffectiveDate	MM/DD/YYYY	Y	Effective date.
RebalanceDate	MM/DD/YYYY	Y	The date of the last rebalance.
PortfolioName	Varchar Max Length: 128	Y	Official Name of the index, as represented by the unique basket of securities (portfolio).
PortfolioID	Varchar Max Length: 36	Y	Unique Morningstar identifier for every unique basket of securities (portfolio) in alpha numeric format. This is the ID of the index at the portfolio level.
MasterPortfolioID	Varchar Max Length: 36	Y	Unique Morningstar identifier for every unique basket of securities (portfolio) in integer format. This is the ID of the index at the portfolio level.
IndexID	Varchar Max Length: 10	Y	Unique Morningstar identifier for every index (a specific currency and return variant of the given portfolio) also known as a SecID.
PerformanceID	Varchar Max Length: 10	Y	Unique Morningstar identifier for every index (a specific currency and return variant of the given portfolio).
IndexCode	Varchar Max Length: 36	Y	Unique identifier for an index for a specific currency or currency hedged variant of the given portfolio.
IndexName	Varchar Max Length: 128	Y	Index Name including return and currency variant.
Currency	Varchar Max Length: 3	Y	Currency of calculation of the index, which may be different than the index's base currency.
HedgedToCurrency	Varchar Max Length: 3	Y,0	Reflects the currency that the variant is hedged to.
BidPrice	Numeric Max Length: 64, Scale: 18	Y	Weighted average bid price by par value.
IndexLevel	Numeric Max Length: 64, Scale: 18	Y	Daily value of the index portfolio.

Return	Numeric Max Length: 64, Scale: 18	Y	Value of interest, price, or total return as designated by the Return Type.
ReturnType	Varchar TR|IR|PR	Y	Applies only to the Close file. Displays return variant as per calculation methodology. Types of return include Price Return (PR), Interest Return (IR), Total Return (TR).
ReturnPeriod	Varchar Max Length: 10	Y	Frequency of the return publishing, which is daily.
ParAmountOutstanding	Numeric Max Length: 64, Scale: 18	Y,0	Total par amount outstanding at the index level in the currency of the index variant. For LCL variants this will be null.
MarketValueWithCleanPrice	Numeric Max Length: 64, Scale: 18	Y,0	Total market value outstanding of the index without including accrued interest (clean market value) in the currency of the index variant. For LCL variants this will be null.
MarketValue	Numeric Max Length: 64, Scale: 18	Y,0	Total market value outstanding of the index including accrued interest in the currency of the index variant. For LCL this will be null.
FxRate	Numeric Max Length: 64, Scale: 18	Y,0	FX Rate applicable to the currency variants from the base currency. For LCL this will be null.
FxSource	Varchar Max Length: 16	Y	Reflects timing of WMR foreign exchange timings, for example – LDN4PM, SYD4PM and SG5PM. For LCL this will be null.
IndexBaseRate	Numeric Max Length: 64, Scale: 18	Y	Weighted average base rate used to calculate the index, calculated as a blended market rate[1].
NominalSpread	Numeric Max Length: 64, Scale: 18	Y	Weighted average adjusted spread by par value.
AverageCoupon	Numeric Max Length: 64, Scale: 18	Y	Sum of Index Base Rate and Nominal Spread.

[1] This field will populate only for indexes in the Morningstar US Leveraged Loan Index series.

SpreadtoMaturity	Numeric Max Length: 64, Scale: 18	Y	Weighted average index spread to maturity by market value using a flat curve assumption.
Yield	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield using a simple margin formula.
YieldtoMaturity	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield to maturity by market value using a flat curve assumption.
YearsToMaturity	Numeric Max Length: 64, Scale: 18	Y	Weighted average time to maturity of the constituents stated in years.
Duration	Numeric Max Length: 64, Scale: 18	Y	Weighted average index sensitivity of price to change in interest rate movements (modified duration) using a flat curve assumption.
IndexSector	Varchar Max Length: 36	F	GICS code associated with the index portfolio (for single sector indexes only).
IndexCompositeRating	Varchar Max Length: 10	Y,E	Weighted average composite rating for the index.
ConstituentCount	Numeric Max Length: 38	Y	Number of loans in the index.
BloombergTicker	Varchar Max Length: 36	Y,0	Bloomberg Ticker, where available.
RIC	Varchar Max Length: 36	Y,0	RIC, where available.
Spread2Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index spread to 2 year by market value using a flat curve assumption.
Spread3Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index spread to 3 year by market value using a flat curve assumption.
Spread4Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index spread to 4 year by market value using a flat curve assumption.

Spread5Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index spread to 5 year by market value using a flat curve assumption.
SpreadDuration	Numeric Max Length: 64, Scale: 18	Y	Weighted average index sensitivity of price to change in credit spread using a flat curve assumption.
DurationTimesSpread	Numeric Max Length: 64, Scale: 18	Y	Weighted average product of Spread Duration and Spread to Maturity using a flat curve assumption.
YTM2Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield to 2 year by market value using a flat curve assumption.
YTM3Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield to 3 year by market value using a flat curve assumption.
YTM4Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield to 4 year by market value using a flat curve assumption.
YTM5Year	Numeric Max Length: 64, Scale: 18	Y	Weighted average index yield to 5 year by market value using a flat curve assumption.
SpreadtoMaturityFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index spread to maturity by market value using a forward curve assumption.
Spread2YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index spread to 2 year by market value using a forward curve assumption.
Spread3YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index spread to 3 year by market value using a forward curve assumption.
Spread4YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index spread to 4 year by market value using a forward curve assumption.
Spread5YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index spread to 5 year by market value using a forward curve assumption.

SpreadDurationFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index sensitivity of price to change in credit spread using a forward curve assumption.
DurationTimesSpreadFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average product of Spread Duration and Spread to Maturity using a forward curve assumption.
YieldtoMaturityFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index yield to maturity by market value using a forward curve assumption.
YTM2YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index yield to 2 year by market value using a forward curve assumption.
YTM3YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index yield to 3 year by market value using a forward curve assumption.
YTM4YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index yield to 4 year by market value using a forward curve assumption.
YTM5YearFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index yield to 5 year by market value using a forward curve assumption.
DurationFWD	Numeric Max Length: 64, Scale: 18	F	Weighted average index sensitivity of price to change in interest rate movements (modified duration) using a forward curve assumption.
MacaulayDuration	Numeric Max Length: 64, Scale: 18	Y	Weighted average index effective time remaining until the next coupon payment.
PublishDateTime	timestamp yyyy-mm-ddThh:mm:ss	Y	Date and Time when index file is published in UTC.
FileType	Varchar Max Length: 3	Y	Indicates the portfolio file type. Close files = ‘CLS’.
LINE COUNT	Numeric Max Length: 38	Y	The number of data rows included in the file, excluding the LINE Count row itself.

CON and PCON

This CON and PCON files contain constituent data and use the same column format. However, data availability for each column will differ depending on the file type. Identifiers are provided on a best effort basis. The contents of the file and their definitions are as follows:

CON/PCON Legend: Y = Available, N = Not provided (null value), F = Future Data point (null value), E = May require entitlement, 0 = May be null

Field Name	Format	PCON	CON	Description
EffectiveDate	YYYY-MM-DD	Y	Y	Effective date.
RebalanceDate	YYYY-MM-DD	Y	Y	Date of the last rebalance for the CON file, date of the current rebalance for the PCON file.
PortfolioName	Varchar Max Length: 128	Y	Y	Official name of the index, as represented by the unique basket of securities (portfolio).
PortfolioID	Varchar Max Length: 36	Y	Y	Unique Morningstar identifier for every unique basket of securities (portfolio) in alphanumeric form.
MasterPortfolioID	Varchar Max Length: 36	Y	Y	Unique Morningstar identifier for every unique basket of securities (portfolio) in integer form.
IndexCode	Varchar Max Length: 36	Y	Y	Index Code.
IssuerName	Varchar Max Length: 128	Y	Y	Issuer name.
IssuerID	Varchar Max Length: 36	Y	Y	Unique LCD identifier at the issuer level.
IssuerID2	Varchar Max Length: 36	F	F,0	Unique Morningstar identifier at the issuer level.
PerformanceID	Varchar Max Length: 10	F	F,0	Unique Morningstar identifier for security.

AccountID	Numeric Max Length: 64, Scale: 18	Y	Y	Unique identifier for each loan.
TransactionID	Numeric Max Length: 64, Scale: 18	Y	Y	Unique LCD identifier for each transaction, which may include more than one facility.
FacilityName	Varchar Max Length: 128	Y	Y	Facility/tranche name (e.g. Term Loan, Term Loan B).
FacilityID	Numeric Max Length: 64, Scale: 18	Y	Y	Unique LCD identifier for each loan which includes identification of the facility category (e.g. Term Loan A or Term Loan B).
Region	Varchar Max Length: 5	Y	Y	This field defines the region of syndication for the specific loan e.g, US for loans within the US parent index, EUR for loans within the European parent index).
IssuerDomicile	Varchar Max Length: 2	Y	Y	Country of issuer domicile (ISO two character code).
EntryDate	YYYY-MM-DD	F	F	Original date of entry into the index.
ReEntryDate	YYYY-MM-DD	F	F	Most recent date of entry into the index, if applicable.
CreditDate	YYYY-MM-DD	Y	Y	Credit date reflects the date of issue of loan.
MaturityDate	YYYY-MM-DD	Y	Y	Maturity date of the loan.
YearsToMaturity	Numeric Max Length: 64, Scale: 18	F	Y	Remaining time to stated maturity as measured in years.
CurrencyOfIssue	Varchar Max Length: 3	Y	Y	Currency of issue.
InitialAmountLCL	Numeric Max Length: 64, Scale: 18	Y	Y	Initial loan amount at time of issue, as reflected in the local currency of issue.
AmountOutstandingLCL	Numeric Max Length: 64, Scale: 18	F	Y	Current amount outstanding, which reflects any partial and amortization payments, as reflected in the local currency of issue.

MarketValueCleanPriceLCL	Numeric Max Length: 64, Scale: 18	F,E	Y,E	Initial loan amount at time of issue, as reflected in the local currency of issue.
MarketValueLCL	Numeric Max Length: 64, Scale: 18	F,E	Y,E	Current amount outstanding, which reflects any partial and amortization payments, as reflected in the local currency of issue.
Currency	Varchar Max Length: 10	F	Y	Calculation currency of the index/security, which may be different than the security's currency of issue.
FXRate	Numeric Max Length: 64, Scale: 18	F	Y	Foreign currency exchange rate.
InitialAmount	Numeric Max Length: 64, Scale: 18	F	Y	Initial loan amount at time of issue, as reflected in the calculation currency.
AmountOutstanding	Numeric Max Length: 64, Scale: 18	F	Y	Current amount outstanding, which reflects any partial and amortization payments, as reflected in the calculation currency. For loans where a weight capping has been applied, the figure reflects the adjusted amount outstanding.
MarketValueCleanPrice	Numeric Max Length: 64, Scale: 18	F	Y,E	Market Value of the loan without including accrued interest, as reflected in the calculation currency. For loans where a weight capping has been applied, the figure reflects the adjusted market value without including accrued interest.
MarketValue	Numeric Max Length: 64, Scale: 18	F	Y,E	Market Value of the loan including accrued interest, as reflected in the calculation currency. For loans where a weight capping has been applied, the figure reflects the adjusted market value.
AccruedInterest	Numeric Max Length: 64, Scale: 18	F	Y	Interest calculated from last coupon payment until the t-day.
CapFactor	Numeric Max Length: 64, Scale: 18	F	Y	Reflects the level of capping applied to a security in the index, if applicable.

OpenWeight	Numeric Max Length: 64, Scale: 18	F	Y	Market Value, including accrued interest, weight of the loan in the index (t-1 weight).
CloseWeight	Numeric Max Length: 64, Scale: 18	F	Y	Market Value weight, including accrued interest, of the loan in the index (t weight).
OriginalSpread	Numeric Max Length: 64, Scale: 18	Y	Y	Spread at the time of issuance.
CurrentSpread	Numeric Max Length: 64, Scale: 18	Y	Y	Current stated spread over base rate.
AdjustedSpread	Numeric Max Length: 64, Scale: 18	Y	Y	Reflects adjustments to the current spread if the base rate falls below the base rate floor and/or for Credit Spread Adjustments, if applicable.
FloorRate	Numeric Max Length: 64, Scale: 18	Y,0	Y,0	Base rate floor of the loan, if applicable.
1MCSA	Numeric Max Length: 64, Scale: 18	Y,0	Y,0	One month credit spread adjustment, if applicable. Blank CSAs are due to no credit spread adjustments. Decreasing availability of the data is due to new deals or repricing.
3MCSA	Numeric Max Length: 64, Scale: 18	Y,0	Y,0	One month credit spread adjustment, if applicable.
6MCSA	Numeric Max Length: 64, Scale: 18	Y,0	Y,0	One month credit spread adjustment, if applicable.
BaseRate	Numeric Max Length: 64, Scale: 18	F	Y	Blended market rate applied, based on currency of the loan[2].
Coupon	Numeric Max Length: 64, Scale: 18	F	Y	Coupon rate, reflected as the all-in rate (base rate + current spread).

[2] This field will populate only for US loans.

SpreadtoMaturity	Numeric Max Length: 64, Scale: 18	F	Y	Constituent spread of Yield to Maturity over base rate using a flat curve assumption.
Yield	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield calculated using a simple margin formula.
YieldtoMaturity	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield earned by loan if held to maturity using a flat curve assumption.
Duration	Numeric Max Length: 64, Scale: 18	F	Y	Sensitivity of price to change in interest rate movements (modified duration) using a flat curve assumption.
PriceReturn	Numeric Max Length: 64, Scale: 18	N	Y	One day price return for the loan in the local currency of the security. Not weighted.
InterestReturn	Numeric Max Length: 64, Scale: 18	N	Y	One day interest return for the loan in the local currency of the security. Not weighted.
TotalReturn	Numeric Max Length: 64, Scale: 18	N	Y	One day total return for the loan (price return + interest return) in the local currency of the security. Not weighted.
TotalWeightedReturn	Numeric Max Length: 64, Scale: 18	N	Y	Weighted total contribution of the loan to Index returns in calculation currency (price + interest) x open weight).
SectorLevel1	Varchar Max Length: 128	F,E	F,E	GICS Level I industry description.
SectorLevel2	Varchar Max Length: 128	Y,E	Y,E	GICS Level II industry description.
SectorLevel3	Varchar Max Length: 128	Y,E	Y,E	GICS Level III industry description.
SectorLevel4	Varchar Max Length: 128	F,E	F,E	GICS Level IV industry description.
Seniority	Varchar Max Length: 2	Y	Y	First Lien (FL) /Second Lien (SL).

Sponsored	Varchar Max Length: 1	Y	Y	Identifies if the issuer is backed by a private equity sponsor (Y/N).
CovenantLight	Varchar Max Length: 1	Y	Y	Covenant Light (Y/N).
LeadAgent	Varchar Max Length: 128	Y,0	Y,0	Loan lead agent.
FacilityRating	Varchar Max Length: 10	Y,E	Y,E	Current facility level rating according to Morningstar Indexes Methodology (only S&P ratings are considered).
DefaultStatus	Varchar Max Length: 3	F	Y	(Y) Loan in Default / (N) Loan not in default.
DefaultDate	YYYY-MM-DD	F,0	Y,0	Date of default, if applicable.
InitialFacilityRating	Varchar Max Length: 10	Y,E	Y,E,0	Initial facility level rating according to Morningstar Indexes Methodology (only S&P ratings are considered).
IssuerRating	Varchar Max Length: 10	Y,E	Y,E,0	Current issuer level rating according to Morningstar Indexes Methodology (only S&P ratings are considered).
PricingID	Varchar Max Length: 128	Y,E	Y,E	US facilities reflect LPC/Refinitiv LIN ID. European facilities reflect Markit LoanX ID.
BidPrice	Numeric Max Length: 64, Scale: 18	F	Y,E	Bid price for loan facility.
AskPrice	Numeric Max Length: 64, Scale: 18	F,E	F,E	Ask price for loan facility.
IndexPrice	Numeric Max Length: 64, Scale: 18	Y,E	Y,E	Loan facility price used for index calculation.
CUSIP	Varchar Max Length: 10	Y,E,0	Y,E,0	CUSIP identifier for loan.
LINID	Varchar Max Length: 10	Y,0	Y,0	LSEG identifier for loan.

LoanXID	Varchar Max Length: 10	Y,E,0	Y,E,0	IHS Markit identifier for loan.
FIGI	Varchar Max Length: 12	Y,0	Y,0	Bloomberg identifier for loan.
LoanStatus	Varchar Max Length: 12	F	F	Status of whether a loan is active.
DBRSRating	Varchar Max Length: 10	F,E	F,E	Current DBRS Rating – loan level.
S&PRating	Varchar Max Length: 10	F,E	F,E	Current S&P Rating – loan level.
MoodysRating	Varchar Max Length: 10	F,E	F,E	Current Moodys Rating – loan level.
FitchRating	Varchar Max Length: 10	F,E	F,E	Current Fitch Rating – loan level.
Spread2Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent spread of Yield to Maturity 2 Year over base rate using a flat curve assumption.
Spread3Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent spread of Yield to Maturity 3 Year over base rate using a flat curve assumption.
Spread4Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent spread of Yield to Maturity 4 Year over base rate using a flat curve assumption.
Spread5Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent level spread of Yield to Maturity 5 Year over base rate using a flat curve assumption.
SpreadDuration	Numeric Max Length: 64, Scale: 18	F	Y	Sensitivity of price to change in credit spread using a flat curve assumption.
DurationTimesSpread	Numeric Max Length: 64, Scale: 18	F	Y	Product of Spread Duration and Spread to Maturity using a flat curve assumption.
YTM2Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield earned by loan if held for 2 years using a flat curve assumption.

YTM3Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield earned by loan if held for 3 years using a flat curve assumption.
YTM4Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield earned by loan if held for 4 years using a flat curve assumption.
YTM5Year	Numeric Max Length: 64, Scale: 18	F	Y	Constituent yield earned by loan if held for 5 years using a flat curve assumption.
SpreadtoMaturityFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent spread of Yield to Maturity over base rate using a forward curve assumption.
Spread2YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent spread of Yield to Maturity 2 Year over base rate using a forward curve assumption.
Spread3YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent spread of Yield to Maturity 3 Year over base rate using a forward curve assumption.
Spread4YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent spread of Yield to Maturity 4 Year over base rate using a forward curve assumption.
Spread5YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent spread of Yield to Maturity 5 Year over base rate using a forward curve assumption.
SpreadDurationFWD	Numeric Max Length: 64, Scale: 18	F	F	Sensitivity of price to change in credit spread using a forward curve assumption.
DurationTimesSpreadFWD	Numeric Max Length: 64, Scale: 18	F	F	Product of Spread Duration and Spread to Maturity using a forward curve assumption.
YieldtoMaturityFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent yield earned by loan if held to maturity using a forward curve assumption.
YTM2YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent yield earned by loan if held for 2 years using a forward curve assumption.

YTM3YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent yield earned by loan if held for 3 years using a forward curve assumption.
YTM4YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent yield earned by loan if held for 4 years using a forward curve assumption.
YTM5YearFWD	Numeric Max Length: 64, Scale: 18	F	F	Constituent yield earned by loan if held for 5 years using a forward curve assumption.
DurationFWD	Numeric Max Length: 64, Scale: 18	F	F	Sensitivity of price to change in interest rate movements using a forward curve. assumption.
MacaulayDuration	Numeric Max Length: 64, Scale: 18	F	Y	Effective time remaining until the next coupon payment.
CouponCash	Numeric Max Length: 64, Scale: 18	F	F	Nominal value of coupon payment as reflected in the local currency of issue.
CouponPayment	Numeric Max Length: 64, Scale: 18	F	Y	Coupon payment (%) on t-day. Coupon payment is the cumulative accrued interest (per 100 par) since the last coupon payment date.
RedemptionPrice	Numeric Max Length: 64, Scale: 18	F	Y	Price at which a loan is bought back by the issuer.
PublishDateTime	timestamp yyyy-mm-ddThh:mm:ss	Y	Y	Date and Time when index file is published in UTC.
FileType	Varchar Max Length: 3	F	Y	Indicates the portfolio file type. Close files = 'CLS'.
LINE COUNT	Numeric Max Length: 38	Y	Y	Number of rows in the file.

File and Delivery Specifications Version History

Date	Description
September 2023	Initial version
October 2023	Updated with new data points and introductory content
March 2024	Added PCON file information
April 2024	Added LoanStatus data point
October 2024	Clarified capping application for amount outstanding field
March 2025	Changed IndexBaseRate and BaseRate fields from future data points to available in the IDX and CON files
April 2025	Added new index level and constituent level analytics
May 2025	Update to LeadAgent in PCON
June 2025	New data point availability

About Morningstar Indexes

Morningstar Indexes was built to keep up with the evolving needs of investors—and to be a leading-edge advocate for them. Our rich heritage as a transparent, investor-focused leader in data and research uniquely equips us to support individuals, institutions, wealth managers and advisors in navigating investment opportunities across major asset classes, styles and strategies. From traditional benchmarks and unique IP-driven indexes, to index design, calculation and distribution services, our solutions span an investment landscape as diverse as investors themselves.

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