# Field Definition SHOF Fund Data

National Research Data Center January 2024





## Content

Fund Master	3
Fund Performance	
Prices	9
Dividends	13
Splits	16
Re-invested Prices (RIPS)	18
Valuations	20
Supplement	23
Anomalies (Q&A)	24
Reference	28



# Fund Master

Data Field	Definition	Sample value(s)
secid	This is the Morningstar id for a share class of an	"FOGBRO5BJT"
	investment. All share classes of the same	
	investment are linked together using the Fund Id.	
	Some investments do not have separate share	
	classes.	
performanceid	It's the Morningstar identifier for a performance	"OP12345678"
	stream of a share class. It presents performances	
	of a class in various currencies and exchanges (for	
	example ETFs). All performances of the same class	
	are linked together using the Fund Share Class Id	
	(SecId). The one which is in the base currency	
	(originally stated by Fund Company) of a share	
	classe called primary. Some share classes may	
	have only one performance stream and some may	
	have multiple performance streams.	
fundid	This is the Morningstar id for the investment,	"FSGBR05D05"
	which is sometimes called the distinct portfolio	
	level. Each shareclass will have the same Fund Id.	
domicileid	The country where an investment is legally	"GBR"
	registered (but not necessarily where it is	
	administered)	
company	Morningstar id for a company.	"82017"
companyname	The name of the company that offers the mutual	"Scottish Widows
	fund.	Unit Trust Managers
		Ltd"
fundname	The fund's official name, or an abbreviation	"Scottish Widows
	thereof, as stated in the fund's prospectus	Dynamic Inc Port"
securityname	The fund share class official name, or an	"Scottish Widows
	abbreviation thereof, as stated in the fund's	Dyn Inc Port B Acc"
	prospectus	
legalstructure	The legal structure of the investment	"Open-Ended
		Investment
		Company"
shareclasslegalname	The legal name of the investment	"Scottish Widows
		Dynamic Inc Port B
		Acc"
UCITS	The UCITS status of the investment	"1" or "0"



Data Field	Definition	Sample value(s)
inceptiondate	The date on which an investment product	"1990-06-28"
	began its operations.	
status	The current status of the investment	"ACTIVE" or
		"OBSOLETE"
obsoletedate	Date when the investment went obsolete	"1996-03-23"
isbasecurrency	If the investment is the primary currency,	"1" or "0"
	Useful when one share class offers more	
	than one alternative currency performance	
	streams	
isoldestclass	Flags if the share class is the oldest share	"1" or "0"
	class	
currencyid	The primary currency for the security.	"GBP"
incomedistribution	Flags if the investment distributes dividends	"1" or "0"
accumulateddistribution	Flags if the investment accumulates	"1" or "0"
	dividends	
insurancefund	Flags if the investment is offered as an	"1" or "0"
	insurance product	
hedgefund	Flags if the investment is classified as a	"1" or "0"
	hedge investment	
fundoffunds	Flags if the investment invests in funds	"1" or "0"
exchangetradedshare	Flags if the investment is an ETF	"1" or "0"
ISIN	International securities identification	"GB0031903403"
	number, a code that uniquely identifies a	
	specific securities issue.	
currencyspecificISIN	ISIN specific for the currency issue of the	"GB0031903403"
	investment	
ticker	NASDAQ Ticker	"MORN"
olsobors	Norwegian stock exchange identifier	"323"
pricingfrequency	Pricing frequency of the fund. Majority of	"A\$" Annually
	the funds calculate NAVs daily, some	"D\$" Daily
	however calculate weekly, bi-monthly or	"M\$" Monthly
	monthly.	"N\$" None
		"Q\$" Quarterly
		"W\$" Weekly
		"a\$" Semi-Annually
		"m\$" Semi-Monthly
availableforpensionplan	Flags if the investment is classified as a	"1" or "0"
	pension investment.	



Data Field	Definition	Sample value(s)
exchangeid	The identifier used to represent an	"EX\$\$\$XETR"
	exchange.	
institutionalonly	Flag that indicates if a fund designed for	"1" or "0"
	institutional investors.	
pencetraded	Flag that indicates if a fund traded in pence	"1" or "0"
sociallyconscious	Flags if the investment is classified as a	"1" or "0"
	Socially Conscious.	
legalstructureid	The legal structure id of the investment	" 08 "
moneymarketfund	Flags if the investment is a money market	"1" or "0"
	fund	
availableforretirementplan	Flags if the investment is available for	"1" or "0"
	retirement plan.	
availableforinsuranceproduct	Flags if the investment is available for	"1" or "0"
	insurance product.	
broadassetclass	A term used to group funds with similar	"Equity"
	categories and investing styles; can be used	
	for a more broad-based analysis. The broad	
	asset class is determined by the	
	investment's Morningstar Category	
	assignment.	
indexingapproach	Indicator determines the type of indexing	"1" Physical Full
0.11	approach an index tracking investment	"2" Physical -
	utilises	Sample
		"3" Derivatives -
		Based
		"4" Synthetic
		"5" Not Applicable
synthetictype	Synthetic Type refers to the specific legal	"1" Funded - Swap
syntheticty pe	structures of the OTC derivatives used	"2" Unfunded -
	structures of the off derivatives used	Swap
		"3" Access Products
		"4" Forward
		Contract
		"5" Other
trackrecordextension	An indication of whether or not the share	"1" or "0"
ti acki etti uextelisitii	class has had it performance extended prior	1 01 0
+rackrocordinharitadfrom	to its inception date  The SecId of the share class the track record	"FOCDDOFDIT"
trackrecordinheritedfrom		"FOGBR05BJT"
	extension has come from	



Data Field	Definition	Sample value(s)
trackrecordextensiontype	An indication of the type of track record	"0" "None"
	extension that has been undertaken, the field	
	will show the circumstances behind the track	
	record extension	
changedate	This field indicates the date the change	"05/05/2021"
	happened.	
obsoletetype	The obsolete type of the fund	"Liquidated"
fundtype	The investment type of the fund	"Open-end Fund (EU) "
		"Closed-end Fund"
		"Exchange-traded
		Fund(ETF) "
		"Money Market
		Fund"
		"Hedge Fund"
AUM	The total value of assets managed by the	"1.23456"
	fund (.in Swedish Krona)	
AUM_lastupdate	This field indicates the last time the AUM was measured.	"20/12/2023"
1_month	1-month historical trailing return using RIPs	"1.23456"
	timeseries	
	1_month = (current value-last month's	
	value)/last month's value	
3_month	3-month historical trailing return using RIPs	"1.23456"
	timeseries	
	3_month = (current value-the value 3 months	
	ago)/the value 3 months ago	
6_month	6-month historical trailing return using RIPs timeseries	"1.23456"
	6_month = (current value-the value 6 months	
	ago)/the value 6 months ago	
1_year	1-year historical trailing return using RIPs	"1.23456"
	timeseries	
	1_year = (current value-last year's value)/last	
	year's value	
3_year	3-year historical trailing return using RIPs	"1.23456"
	timeseries	
	3_year = (1+(current value-the value 3 years	
	ago)/the value 3 years ago) ^ (1/3)-1	



Data Field	Definition	Sample value(s)
5_year	5-year historical trailing return using RIPs timeseries	"1.23456"
	5_year = (1+(current value-the value 5 years ago)/the value 5 years ago) ^ (1/5)-1	
returntype	A type code value which indicates the return type. Examples include total return (1), market return (6), and tax adjusted return (18)	"1", "6", or "18"
lastupdate	This field indicates the last time fund master data was produced and historical trailing return was calculated.	"16/01/2024"
availableforsale	The country code where the investment is registered for sale	"GBR"
prospectusdate	The date for which the prospectus applies	"2010-06-28"
position	A flag indicating the position of the fee within a list of similar fees. I.e. a share class may specify more than 1 fee for the same fee type, but with different Low Breakpoint values	"1"
feetypeid	A flag describing the fee and the values indicated	"ActualManagementFee", "DistributionFee", etc
feecurrencyid	The Currency Id applicable to the fee if FeeUnit is Monetary as well as to the low and high breakpoint if these datapoints are populated	"GBP"
feeunit	The Unit in which the particular fee will be denoted in	"Monetary", "Percentage"
fee	The Fee itself expressed as a value denoted by FeeUnit	"1.50000"
breakpointunit	The Unit in which the particular breakpoint is denoted	"Monetary", "Percentage", "etc"
lowbreakpoint	The starting breakpoint value denoted by Breakpoint unit for which the Fee denoted by FeeUnit applies	"1000"
highbreakpoint	The ending breakpoint value denoted by Breakpoint unit for which the Fee denoted by FeeUnit applies	"100000"



## Fund Performance - Prices

Data Field	Definition	Sample value(s)
secid	This is the Morningstar id for a share class of an	"FOGBRO5BJT"
	investment. All share classes of the same	
	investment are linked together using the Fund Id.	
	Some investments do not have separate share	
	classes.	
performanceid	A unique identifier per share class provided by the	"0P12345678"
	fund company. The identifier is used by	
	Morningstar to map fund class data to an entry in	
	the Morningstar price database for internal	
	processing reasons.	
date	The date for which the prices apply	"2006-03-31"
currencyiso	Class currency in three characters according to	"GBP"
	ISO standard	
pretaxnav	This is the closing price as of the date listed	"1.23456"
	(Applicable for open-end funds) (NAV-Net Asset	
	Value)	
pretaxbid	This is the bid price per share as of the date listed.	"1.23456"
	(Applicable for exchange traded funds & closed-	
	end funds)	
pretaxoffer	This is the offer price per share as of the date	"1.23456"
	listed. (Applicable for exchange traded funds &	
	closed-end funds)	
pretaxmid	This is the mid price per share as of the date	"1.23456"
	listed. (Applicable for exchange traded funds &	
	closed-end funds)	
posttaxnav	This is the taxed closing price as of the date listed.	"1.23456"
	(Applicable for open-end funds) (Mostly for UK	
	and Italian share classes)	
posttaxbid	This is the taxed bid price per share as of the date	"1.23456"
	listed. (Applicable for exchange traded funds &	
	closed-end funds)	
posttaxoffer	This is the taxed offer price per share as of the	"1.23456"
	date listed. (Applicable for exchange traded funds	
	& closed-end funds)	
lastupdate	This field indicates the last time the data for the	"2006-03-31 10:00"
•	fund was produced.	
closeprice	This is the close/market price per share as of the	"1.23456"
•	date listed. (Applicable for exchange traded funds	
	& closed-end funds)	



Data Field	Definition	Sample value(s)
guaranteednav	This is the guaranteed NAV per share as of the	"1.23456"
	date listed.	
preliminarynav	Preliminary NAVfor hedge funds, an unaudited	"1.23456"
	approximation of the total value of all of a fund's	
	assets minus its liabilities divided by the number	
	of outstanding shares for that fund. Hedge funds	
	will typically report a preliminary NAV/return to	
	its investors before a final NAV/return is released	
1.1.1	by the fund's administrator, auditor, etc.	
averagebidaskspread	The averages bid / ask spread which is an average of all the spreads over a trading day.	"0.0254"
numberofobservations	number of observations that the average bid ask	15814
	spread is based	
creationprice	This is the highest possible price at which an	"1.23456"
	investor can buy units from the manager under	
	FSA regulations. The initial charge is not included.	
	The creation price represents the cost of buying	
	the fund's assets.	
cancellationprice	The lowest possible bid price of units in a unit	"1.23456"
	trust under FSA regulations, which is usually lower	
	than the quoted bid price. The cancellation price	
	may be applied in the event of heavy selling. Also	
	applies to the repurchase of a company's shares	
	by directors.	
pricetri	The latest growth index value measuring the total	"1.23456"
	return of the market price	"1 224FC"
navcumpar	Net asset value per share, including income, with debt at par value (Applicable for closed-end	"1.23456"
	funds)	
discountcumpar	The percentage at which the Cum Par Net Asset	"1.23456"
aiscoairteairipai	Value is higher than the market price. Negative	1.25450
	·	
	values indicate the market price is higher than the	
	Cum Par Net Asset Value (Applicable for closed-	
	end funds)	
	discountcumpar = closeprice/navcumpar - 1	
navcumparflag	A flag indicating whether <i>navcumpar</i> is an actual	"1" or "2"
	(1) or estimated (2) (Applicable for closed-end	
	funds)	
navexfair	Net asset value per share, excluding income, with	"1.23456"
	debt at par fair value (Applicable for closed-end	
	funds)	



Data Field	Definition	Sample value(s)
discountexfair	The percentage at which the Ex Fair Net Asset	"1.23456"
	Value is higher than the market price. Negative	
	values indicate the market price is higher than the	
	Cum Par Net Asset Value (Applicable for closed-	
	end funds)	
	discountexfair = closeprice/navexfair - 1	
navexfairflag	A flag indicating whether <i>navexfair</i> is an actual (1) or estimated (2) (Applicable for closed-end funds)	"1" or "2"
cumfairnav	Net asset value per share, including income, with debt at fair value (Applicable for closed-end funds)	"1.23456"
cumfairdiscount	Discount calculated based on CumFairNAV	"1.23456"
	(Applicable for closed-end funds)	
	cumfairdiscount = closeprice/cumfairnav - 1	
cumfairnavtype	A flag indicating whether <i>cumfairnav</i> is an actual	"1" or "2"
	(1) or estimated (2) (Applicable for closed-end funds)	
navcumfairtr	The latest growth index value measuring the total	"1.23456"
	return of the Cum Fair Net Asset Value per share	
exparnav	Net asset value per share, excluding income, with debt at par value (Applicable for closed-end funds)	"1.23456"
discount	Discount calculated based on exParNAV	"1.23456"
	(Applicable for closed-end funds)	
	discount = closeprice/exparnav - 1	
exparnavtype	A flag indicating whether <i>exparnav</i> is an actual (1)	"1" or "2"
	or estimated (2) (Applicable for closed-end funds)	
navexpartri	The latest growth index value measuring total	"1.23456"
	return of the Ex Par Net Asset Value per share	
unsplit	When a split occurs, Morningstar will calculate the	"1.23456"
	split adjusted historical price by dividing all the	
	prices before split with split ratio. Unsplit price is	
	the raw price without any split adjusted.	



Fund Performance - Dividends

Data Field	Definition	Sample value(s)
secid	This is the Morningstar id for a share class of an	"FOGBRO5BJT"
	investment. All share classes of the same	
	investment are linked together using the Fund Id.	
	Some investments do not have separate share	
	classes.	
performanceid	A unique identifier per share class provided by the	"OP12345678"
	fund company. The identifier is used by	
	Morningstar to map fund class data to an entry in	
	the Morningstar price database for internal	
	processing reasons.	
excludingdate	This is the dividend and/or capital gain's exclusion	"2006-03-31"
	date, also known as Ex-Date.	
currencyiso	Class currency in three characters according to	"GBP"
	ISO standard.	
pretaxdividend	The dividend as of the date	"1.23456"
posttaxdividend	The taxed dividend of the date	"1.23456"
reinvestdate	This is the reinvestment date for the dividend	"2006-03-31"
	and/or capital gain.	
nonqualifieddiv	This is the portion of the total dividend that is	"1.23456"
	taxed as ordinary income to the shareholder. This	
	is the default column to place your dividend value	
	if you are unsure or unable to distinguish between	
	qualified, non-qualified, interest income, and tax-	
	free.	
qualifieddiv	This is the portion of the total dividend that is	"1.23456"
	taxed as a qualified dividend to the shareholder.	
taxfreedividend	This is the portion of the total dividend	"1.23456"
	attributable to bonds that is not taxed to the	
	shareholder.	
interestincome	This is the portion of the total dividend	"1.23456"
	attributable to bonds that is taxed as ordinary	
	income to the shareholder.	
paydate	This is the pay date of the dividend	"2006-03-31"
lastupdate	This field indicates the last time the data for the	"2006-03-31 10:00"
•	fund was produced	
effectivereinvestprice	"Reinvestment Price" means the unit price at	"1.23456"
,	which Scheme Holders, that elected to	
	automatically reinvest their Distributions,	
	purchased additional units in the Product.	



Data Field	Definition	Sample value(s)
exdistributionprice	"Ex-Distribution Price" means the last Cum-Distribution exit-price (Transactional Exit Price) calculated at the end of a Distribution Period less the Distribution payment associated with that Distribution Period (i.e., the Ex-Price must not reflect market movements after the end of the Distribution Period).	"1.23456"
declaredate	Declaration date is the day the Board of Directors announces its intention to pay a dividend. On this day, a liability is created, and the company records that liability on its books; it now owes the money to the stockholders. On the declaration date, the Board will also announce a date of record and a payment date.	"2006-03-31"
recorddate	A dividend record date is the date on which the company finalizes the list of investors who qualify as "shareholders of record." Investors listed as shareholders of record will receive the firm's dividend payment.	"2006-03-31"
ioyyield	(Applicable for closed-end funds)	"1.23456"
tdyield	(Applicable for closed-end funds)	"1.23456"
twsitcayield	twsitcayield is similar to the existing data point Current Yield at NAV%. The formula used to calculate twsitcayield is as follows: twsitcayield = [(Latest Dividend Payout * Dividend Frequency)/ (NAV of Previous Business Day of Ex- Date) * 100% (Applicable for closed-end funds)	"1.23456"



Fund Performance - Splits



Data Field	Definition	Sample value(s)
secid	This is the Morningstar id for a share class of an	"FOGBR05BJT"
	investment. All share classes of the same	
	investment are linked together using the Fund Id.	
	Some investments do not have separate share	
	classes.	
performanceid	A unique identifier per share class provided by the	"0P12345678"
	fund company. The identifier is used by	
	Morningstar to map fund class data to an entry in	
	the Morningstar price database for internal	
	processing reasons.	
excludingdate	This is the date of split.	"2006-03-31"
splitfrom	The first number of the split ratio	"1"
splitto	The second number of the split ratio	"4"
lastupdate	This field indicates the last time the data for the	"2006-03-31 10:00"
	fund was produced.	



Fund Performance - RIPS



Data Field	Definition	Sample value(s)
secid	Morningstar Share Class Id	"FXGBR12345"
performanceid	Morningstar Performance Stream Id	"P00000001"
date	Date as of the data	"2007-08-31"
unit_BAS	Reinvested price in base currency	"19.322"
unit_USD	Reinvested price in USD	"19.322"
unit_EUR	Reinvested price in EUR	"19.322"
unit_GBP	Reinvested price in GBP	"19.322"
unit_CHF	Reinvested price in CHF	"19.322"
unit_DKK	Reinvested price in DKK	"19.322"
unit_NOK	Reinvested price in NOK	"19.322"
unit_SEK	Reinvested price in SEK	"19.322"
unit_JPY	Reinvested price in JPY	"19.322"
lastupdate	Time and date when the price was	"2007-08-30 04:00"
	updated/produced	
unit_SGD	Reinvested price in SGD	"19.322"
returntype	A type code value which indicates the return type.	"1", "6", or "18"
	Examples include total return (1), market return	
	(6), and tax adjusted return (18)	
unit_TWD	Reinvested price in TWD	"19.322"
unit_HKD	Reinvested price in HKD	"19.322"
unit_MYR	Reinvested price in MYR	"19.322"
unit_CNY	Reinvested price in CNY	"19.322"
unit_ILS	Reinvested price in ILS	"19.322"
unit_INR	Reinvested price in INR	"19.322"
unit_CAD	Reinvested price in CAD	"19.322"
unit_KWD	Reinvested price in KWD	"19.322"
unit_PLN	Reinvested price in PLN	"19.322"
unit_AUD	Reinvested price in AUD	"19.322"
unit_THB	Reinvested price in THB	"19.322"
unit_KRW	Reinvested price in KRW	"19.322"
unit_NZD	Reinvested price in NZD	"19.322"



Fund Performance - Valuations



Data Field	Definition	Sample value(s)
secid	This is the Morningstar id for a share class of an	"FOGBRO5BJT"
	investment. All share classes of the same	
	investment are linked together using the Fund Id.	
	Some investments do not have separate share	
	classes.	
performanceid	A unique identifier per share class provided by the	"0P12345678"
	fund company. The identifier is used by	
	Morningstar to map fund class data to an entry in	
	the Morningstar price database for internal	
	processing reasons.	
date	The date for which the respective flow	"2010-10-21"
	information applies	
classcurrencyiso	Class currency in three characters according to	"GBP"
,	ISO standard. This currency Id applies to the data	
	stored within the <i>tnaclass</i> & <i>netflowclass</i>	
tnaclass	Total Net Assets on class level in the Currency	"1.23456"
	Indicated by <i>classcurrencyiso</i> for the Date	
	indicated by Date	
netflowclass	Estimated Net Flow of assets flowing in/out of the	"1.23456"
	class within the day indicated by Date for the	
	currency denoted by <i>classcurrencyiso</i> .	
	The cash flow estimate for a day (C) is simply the	
	difference in beginning and ending total net	
	assets (TNA) that cannot be explained by the daily	
	total return (r).	
	$C_t = TNA_t - TNA_{t-1}(1 + r_t)$	
	To calculate daily returns, RIPs data is highly	
	recommended to be used instead of prices, as	
	RIPs incorporates dividends.	
fundcurrencyiso	Fund currency in three characters according to	"GBP"
	ISO standard.	
tnafund	Total Net Assets on fund level in the Currency	"1.23456"
	Indicated by <i>fundcurrencyiso</i> for the Date	
	indicated by Date	
netflowfund	Estimated Net Flow of assets flowing in/out of the	"1.23456"
	fund within the day indicated by Date for the	
	currency denoted by <i>classcurrencyiso</i>	



Data Field Definition		Sample value(s)
shares	Total number of outstanding shares	"1.23456"
	contained within the class	
shareholders	nolders Total number of shareholders within the	
	class	
lastupdate This field indicates the last time the data for		"2006-03-31
	the fund was produced	10:00"



#### Supplement

- 1. Major fund types within the dataset are as follows.
  - Money Market Funds
  - Open-end Funds (EU)
  - Closed-end Funds
  - Exchange-traded Funds (ETFs)
  - Hedge Funds

Note: There are only 28 closed-end funds available for sale in the Nordics, so those closed-end fund specific data points could be ignored.

- 2. Prices, Dividends, Splits, and RIPS are available at performance stream level.
- 3. Daily TNAs and net flows are available at share class level and fund level. Total number of shares outstanding and total number of shareholders are available at share class level.



#### Anomalies (Q&A)

#### Fund Master

Missing data

The obsolete date of the sample fund share class is missing.

performanceid	secid	fundid	inceptiondate	status	obsoletedate
0P0000VNZ6	F00000NIPE	FS000093S9	10/06/2010	Active	
0P0000VNZ6	F00000NIPE	FS000093S9	10/06/2010	Obsolete	

Answer: The data is collected if it is available. If it is missing there, it is what it is unfortunately.

#### **Fund Performance**

• Invalid data

pretaxnav is only applicable for open-end funds.

The investment type of the sample fund share class is Exchange-traded Fund (ETF).

performanceid	date	pretaxnav
0P000108SS	31/05/2021	18.0391
0P000108SS	01/06/2021	18.4493
0P000108SS	02/06/2021	21.1293

pretaxbid is only applicable for exchange-traded funds (ETFs) and closed-end funds. The investment type of the sample fund share class is Open-end Fund (EU).

performanceid	date	pretaxbid
0P00009UF6	18/09/2003	164.85
0P00009UF6	19/09/2003	164.42
0P00009UF6	22/09/2003	164.72

pretaxoffer is only applicable for exchange-traded fund (ETFs) and closed-end funds. The investment type of the sample fund share class is Open-end Fund (EU).

performanceid	date	pretaxoffer
0P0001LV1A	24/02/2021	13.52
0P0001LV1A	25/02/2021	13.37
0P0001LV1A	26/02/2021	13.43



discount is only applicable for closed-end funds.

The investment type of the sample fund share class is Exchange-traded Fund (ETF).

performanceid	date	discount
0P00016T7N	02/08/2023	0.72808
0P00016T7N	03/08/2023	2.53091
0P00016T7N	04/08/2023	1.37829

navexpartri is only applicable for closed-end funds.

The investment type of the sample fund share class is Open-end Fund (EU).

performanceid	date	navexpartri
OPOOO1LPRE	24/02/2021	10
OPOOO1LPRE	25/02/2021	10.0062
OPOOO1LPRE	26/02/2021	9.8746

twsitcayield is only applicable for closed-end funds.

The investment type of the sample fund share class is *Open-end Fund (EU)*.

performanceid	excludingdate	twsitcayield
OP0001IK4E	02/01/2020	6.701000214
OP0001IK4E	04/01/2021	7.03910017
OP0001IK4E	04/01/2022	7.177050114

Answer: Please check field definition before using the data.

• Timeseries before the inception date Please find the sample fund share class below.

secid	performanceid	fundid	inceptiondate	status	obsoletedate
F00000OETN	OPOOOOWDVY	FSGBR05DBL	22/06/2012	Active	

performanceid	date	pretaxnav	secid	unsplit
0P0000WDVY	28/04/2006	5.9316	F00000OETN	15.09
0P0000WDVY	01/05/2006	5.9316	F00000OETN	15.09
0P0000WDVY	02/05/2006	5.9434	F00000OETN	15.12
0P0000WDVY	03/05/2006	5.95912	F00000OETN	15.16
OPOOOOWDVY	04/05/2006	5.96698	F00000OETN	15.18
OPOOOOWDVY	05/05/2006	5.97484	F00000OETN	15.2

Answer: It is rather unusual to see that inception date is so much later than the earliest price date (=performance start date). The fund company shows the same thing on their website:



https://www.franklintempleton.lu/our-funds/price-and-performance/products/256/BC/templeton-global-bond-fund/LU0792613274#cumulative. These are called hybrid classes. Prices before the inception date are not used in calculations of any aggregated figures provided by us. You may consider doing the same in your studies and analysis.

• Timeseries after the obsolete date Please find the sample fund share class below.

secid	performanceid	fundid	inceptiondate	status	obsoletedate
F000014V3K	OPO001KESZ	FS0000FVNY	15/01/2020	Active	
F000014V3K	OPO001KESZ	FS0000FVNY	15/01/2020	Obsolete	30/03/2021

performanceid	date	closeprice	currencyiso	navcumparflag
OPO001KESZ	25/05/2021	22.495	CHF	0
OPO001KESZ	26/05/2021	22.495	CHF	0
OPO001KESZ	27/05/2021	22.495	CHF	0
OPO001KESZ	28/05/2021	22.495	CHF	0
OPO001KESZ	31/05/2021	22.495	CHF	0
OPO001KESZ	01/06/2021	22.495	CHF	0

Answer: To the sample fund share class, the delisted status was received on 02/06/2021. Therefore, you can see market prices after the obsolete date. As the obsolete date is 30/03/2021 not 02/06/2021, please exclude the price history after the obsolete date in your studies and analysis.

Timeseries interruption
 Please find the sample fund share class below.

secid	performanceid	fundid	inceptiondate	status	obsoletedate
F0GBR04IQS	0P00000IKH	FSGBR05ACG	31/12/1999	Active	

performanceid	date	returntype	secid	unit_aud	unit_bas	unit_cad
0P00000IKH	26/10/2023	1	F0GBR04IQS	17.98412	10.78149	15.70506
0P00000IKH	27/10/2023	1	F0GBR04IQS	17.98332	10.79527	15.82283
0P00000IKH	28/10/2023	1	F0GBR04IQS	17.98332	10.79527	15.82283
0P00000IKH	29/10/2023	1	F0GBR04IQS	17.98332	10.79527	15.82283
0P00000IKH	30/10/2023	1	F0GBR04IQS	17.94396	10.7677	15.81262
0P00000IKH	31/10/2023	1	F0GBR04IQS	17.95293	10.75391	15.78014

Answer: The sample fund share class is still active, but timeseries interruption happened after October 31, 2023.

A possible reason is that the sample fund share class is only available for sale in Hong Kong, Macau, and Taiwan at the moment. Timeseries after 31/10/2023 is no more relevant as the focus of this database is for all funds available for sale (AFS) in the Nordics.



performanceid	secid	fundid	lastupdate	availableforsale
0P00000IKH	F0GBR04IQS	FSGBR05ACG	16/01/2024	HKG;MAC;TWN

The sample fund share class might be available for sale (AFS) in one of the Nordic countries up to 31/10/2023. However, we do not maintain a history of AFS countries, so the assumption cannot be verified unfortunately.

Monthly TNAs instead of daily TNAs
 Please find the sample fund share class below.

performanceid	date	tnaclass	tnafund
0P00000T7M	30/09/2023	14274900000	14274900000
0P00000T7M	31/10/2023	13478000000	13445500000
0P00000T7M	30/11/2023	16065100000	16065100000
0P00000T7M	31/12/2023	18240600000	18240600000
0P00000T7M	31/01/2024	17553400000	17553400000

Answer: To most companies, daily TNAs and net flows are available at share class level (i.e., *tnaclass*) and fund level (i.e., *tnafund*) in fund performance data - *Valuations*. However, a few fund companies only report monthly TNAs. Therefore, those funds have a month-end time series instead.



### Reference

Morningstar On Demand, (2021), FileSpecificationDailyLicenses.