Historical Prices

Attribute Dictionary

Attribute		Description	
FirstFixingPrice FirstFixingDate FirstFixingTime SecondFixingPrice SecondFixingDate SecondFixingTime CloseFixingPrice CloseFixingDate CloseFixingDate CloseFixingDate		Fixing prices for SIX CHF Repo rates (Swiss Reference Rates). The fixing values are disseminated 3 times during each trading day: 12:00 CET, 16:00 CET and at the market close.	
IndexType IndexTypeDesc		couping the indices by the asset class of the components or a major group. alues for IndexType are: Shares Bonds Others Strategy indices Money Market rates/indices	
IndexGroup IndexGroupDesc		A mnemonic code and description indicating the "family" or group, if any, to which this index belongs.	
IndexSBIRating		A mnemonic code indicating the rating - or range of ratings - assigned to the bonds which are the components of SBI® Ratings indices.	
IndexSBIMaturity		A mnemonic code indicating the range of maturities for the bonds which are the components of SBI® Maturity indices.	
APENORM AROEPCT ADIVSHR ADIV5YAVG YLD5YAVG AEPSNORM EV_Cur		Selected Reuters ratios: price/earnings ratio; return on equity; dividends per share; dividends, 5-year avg.; dividend yield, 5-year avg.; earnings per share; enterprise value (in millions).	
RBSSEconomicSector RBSSEconomicSectorDesc RBSSBusinessSector RBSSBusinessSectorDesc RBSSIndustryGroup RBSSIndustryGroupDesc RBSSIndustry RBSSIndustryDesc		These attributes identify the product with the Reuters Business Sector Schema (RBSS) four-level classification scheme.	

SBISector	Categorization of bonds used in SBI® rating indices.		
SBISectorDesc	Possible values for SBISector are:		
	DG SBI Domestic - Swiss Government DN SBI Domestic - Non-Government EG SBI Foreign Government		
	FG SBI Foreign - Government FC SBI Foreign - Corporate		
	FS SBI Foreign - Supranational		
RemainingTermToMaturity	The remaining term to maturity of a bond in years.		
Yield	The "yield to worst" of a bond. Equals the yield to maturity for straight bonds while for callable bonds it is the lower of yield to maturity and yield to first call.		
Duration	A measure of the average maturity period of the capital invested in a bond, expressed in years.		
CompositeRating CompositeRatingOrder	The SWX Composite Rating assigned to a bond in the SBI ratings indices.		
LastCouponDate NextCouponDate	The last & next coupon payment dates for a bond.		
AssetClassCode AssetClassDesc	The code and description of the asset class upon which an ETF or investment fund is based.		
LegalStructureCountryCode LegalStructureCountryDesc	The legal regime appropriate for an ETF or investment fund.		
UnderlyingGeographicalCode UnderlyingGeographicalDesc			
UnderlyingProviderCode UnderlyingProviderDesc	The code and description of the "provider" of the underlying(s) of an ETF or investment fund e.g. STOXX or SWX if the underlying is an index.		
ManagementFee	The management fee of an ETF or investment fund expressed as a percentage of the indicative NAV.		
IssuerLongNameCode IssuerLongNameDesc	The code and description of the issuer (long name) of an ETF or investment fund.		
FundIndustrySectorCode FundIndustrySectorDesc	The code and description of the industry sector of an ETF or investment fund.		
UnderlyingCode UnderlyingDesc	The code and description of the underlying of an ETF or investment fund.		
FundLongName	The long name of an ETF or investment fund.		
MarketMakers	Delimited list of Market Makers for a fund.		

FundReutersTicker FundBloombergTicker	Reuters and Bloomberg ticker symbols for a fund.
ReplicationMethodCode ReplicationMethodDesc	The code and description of the replication method of an ETF or investment fund.
CollateralCode CollateralDesc	The code and description of the collateral deposited for an exchnage traded product.
FundCurrency	FIXME: Get definition from business. tktr4.
ManagementStyleCode ManagementStyleDesc QualifiedInvestorsFlag	The management style of a fund indicates whether the fund's composition is either actively managed or passively tracking an underlying. Actively managed funds may be restricted to qualified investors (term defined by Swiss federal law, Bundesgesetz über die kollektiven Kapitalanlagen).
SpecialitiesCode SpecialitiesDesc	The specialities attribute captures fund features not covered by any other fund attribute.
AcceptOrdersDate	The date on which first orders will be accepted.
AccruedInterestCalcCode AccruedInterestCalcDesc	The unique identifier and the textual description of the algorithm used to calculate the accrued interest amount for a bond as well as the number of days in a year used in the calculation.
AccruedInterestFromDate	The date from which the entitlement to accrued interest on a bond starts (i.e. the earliest date from which accrued interest is calculated). Also known as jouissance.
AdjustmentFactor	Historic prices are adjusted by a correction factor in order to compensate for stock splits or other important capital events. For example, the actual closing price for UBSN on 5 May 2000 was 435. After the 1:2 stock split this price is adjusted to 217.5 to be comparable to later data: select UBSN 211 Selected 1 valors. date 20000508 -1 210-Selected dates: 20000505 20000508 210 That's all folks. snap MarketDate ClosingPrice AdjustmentFactor 250-Tab separated attribute values follow: 20000508 217 1 20000505 217.5 0.5 250 End of data.
AllocatedNumber EntitlesToUnit MinmNeeded NumberNeeded UnitsForEntitlement	EntitlesToUnit and NumberNeeded define the number of underlying instruments and of options/rights in the conversion ratio options to underlyings. EntitlesToUnit underlyings are received for NumberNeeded options. In the case that the derivative is a right, UnitsForEntitlement are the number

CoverRatio of shares required to receive EntitlesToUnit rights. In the case that the derivative link is part of a composite security, UnitsForEntitlement and AllocatedNumber define the ratio of derivatives per bond or share. MinmNeeded defines the minimum number of options required to be able to actually execute an exercise transaction. AmountInIssue The actual monetary amount or number of shares which has been issued NumberInIssue to, and traded on, the market. This number can be affected by security AssociatedNumberInIssue events such as capital restructurings. AssociatedNumberInIssue is the number of shares of the second component of a structured product. AnnualInterestRate AnnualInterestFraction AnnualPremiumFraction **AskBookPrice** Orderbook content (price, volume, number of orders / quotes / AskBookVolume orders+quotes, average price, cumulated volume, cumulated number of AskBookNumOrders orders / quotes / orders+quotes) up to 10 levels deep, from best to least AskBookNumQuotes good. AskBookNumPrices The values are separated by '|'. The different lists for the same side are AskBookAveragePrice guaranteed to have the same length. **AskBookCumulatedVolume** Hidden size orders are indicated by a '>'-sign before the volume values and AskBookCumulatedNumOrders a '~'-sign before the average price values. **AskBookCumulatedNumQuotes AskBookCumulatedNumPrices** BidBookPrice BidBookVolume BidBookNumOrders BidBookNumQuotes BidBookNumPrices BidBookAveragePrice BidBookCumulatedVolume BidBookCumulatedNumOrders BidBookCumulatedNumQuotes BidBookCumulatedNumPrices A = I - D = 1 = = Best bid (buy) and ask (sell) prices and volumes. Price values may be the string 'Market' to indicate orders at market prices.

AskPrice
AskVolume
AskNumOrders
AskNumQuotes
AskNumPrices
AskSpread
BidPrice
BidVolume
BidNumOrders
BidNumQuotes
BidNumPrices
BidSpread
MidSpread

Volume values can be preceded by a '>' character indicating the presence of a hidden order.

For products traded on the SWX Quotematch platform the number of orders and quotes at this price are also specified.

AskSpread = 100 * (AskPrice - BidPrice) / AskPrice BidSpread = 100 * (AskPrice - BidPrice) / BidPrice

AskSpread and BidSpread are both empty if either AskPrice or BidPrice is

ndefined.

MidSpread = 200 * (AskPrice - BidPrice) / (AskPrice + BidPrice)

LastAskPrice
LastAskTime
LastAskVolume
LastAskSpread
LastBidPrice

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Last non-empty best bid (buy) and ask (sell) prices and volumes.

Volume values can be preceded by a '>' character indicating the presence of a hidden order.

LastAskSpread = 100 * (LastAskPrice - LastBidPrice) / LastAskPrice LastBidSpread = 100 * (LastAskPrice - LastBidPrice) / LastBidPrice LastBidTime
LastBidVolume
LastBidSpread
LastOrderbookMidPrice
LastOrderbookMidDelta
LastOrderbookMidDiff
LastOrderbookMidDate
LastOrderbookMidTime
PreviousOrderbookMidPrice

AskSpread and BidSpread are both empty before the first quote of the day. The order book mid price is simply the average of the best bid and ask prices and is used as a market price estimate for heavily quoted products e.g. ETF's.

PreviousOrderbookiviidPrice			
AssetClass	Main investment instrument of a Not Listed Investment Fund.		
	Possible	values are:	
	1	Money Market	
	2	Bonds	
	3	Equities	
	4	Asset Allocation	
	5	Real Estate	
	6	other funds	
	8	Alternative Investments	
AutomaticSettlementFlag		Value '1' indicates that the automatic clearing and settlement of trades are supported.	
BarrierBasisTypeCode BarrierTypeCode BarrierLevel PaybackCurrencyCode	derivative separated		
PaybackValue	Possible values for BarrierBasisTypeCode are:		
	1	Underlying	
	99	Other	
	Possible	values for BarrierTypeCode are:	
	2	Knock-in Down and in-call	
	3	Knock-in Up and in-call	
	4	Knock-in Down and in-put	
	5	Knock-in Up and in-put	
	6	Knock-out Down and out-call	
	7	Knock-out Up and out-call	
	8	Knock-out Down and out-put	
	9	Knock-out Up and out-put	
	10	Stop-loss	
	11	Lock-in	

12

99

BasketMemberships

Lock-out

Other, as specified in FurtherConditionsText

BasketMemberships is a '|'-separated list of the indices defined by the

BasketMembershipsOrder		baskets command. Each entry is preceeded by a plus-sign, if the selected valor is a component of that index, or by a minus-sign otherwise. BasketMembershipsOrder is the numeric index (1-based) of the right-most plus-signed name in the list of indices, or zero if the valor is not a component of any of the selected baskets.
CalculationMethod	Code define Possible volume 00 10 01 11	ning the meaning of quoted prices. alues are: per unit per unit for not fully-paid securities in percent in percent for not fully-paid securities
CCPEligibleFlag		Flag if security is eligble for settlement via the central counterparty.
Certificates FundVolume		Certificates is the number of outstanding share of a fund. This number can vary each day, depending on the number of creations (purchases) and redemptions (salfes). The quantity FundVolume = Certificates * OfficialNetAssetValue represents the value of the assets under the fund's management.
ClosingNetAssetValue		Last NAV during a given trading date. While the market is open, ClosingNetAssetValue returns the same value as NetAssetValue.
ContractConditions		Textual description of conditions relating to the exercising which cannot be specified by other attributes.
ContractSize ContractRatio		ContractSize is the Number of underlyings to be delivered per option contract or ticks per future contract. The quantity $ContractRatio = 1 / ContractSize$ is the number of warrants required per underlying.
ContractType	Type of Eu Possible v C P F B S O	Call option Put option Future Chooser; when these types of warrants are issued, it is not yet defined whether it will be a call or a put; later in its life time, this will be determined. Spread other
CouponAmount CouponAmountYearly CouponRate		The coupon rate at issue of a bond as mentioned in the ShortName.

DailyHighPrice DailyLowPrice DailyHighTime DailyLowTime	Daily high/low prices and times.		
DeliveryTypeCode	The type of delivery of the underlying instrument.		
	Possible values are:		
	russible values ale.		
	1 Title		
	2 Cash		
	3 Holder's choice		
	4 Issuer's choice		
DerivativeLinkTypeCode DerivativeLinkTypeDesc	The unique identifier and the textual description of the relationship of the derivative data to the security.		
	Possible values for DerivativeLinkType are:		
	1 Right		
	2 Convertible		
	3 Warrant		
	4 Basket option		
	5 Alternative option		
DerivativeTypeCode	Derivative categorisation used within SWX Swiss Exchange (deprecated).		
DerivativeTypeCode DerivativeSubtypeCode	Derivative categorisation used within SWX Swiss Exchange (deprecated).		
	Derivative categorisation used within SWX Swiss Exchange (deprecated). Possible values for DerivativeTypeCode are:		
	Possible values for DerivativeTypeCode are:		
	Possible values for DerivativeTypeCode are: CPT Capital protection product		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential UNLIMI TED Certificate, dynamic		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential UNLIMI TED Certificate, dynamic DYNAMI		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential UNLIMI TED Certificate, dynamic		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential UNLIMI TED Certificate, dynamic DYNAMI C Certificate, open-end OPEN_		
	Possible values for DerivativeTypeCode are: CPT Capital protection product CTC Certificate MYT Maximum yield product WTC Warrant Possible values for DerivativeSubtypeCode are: CAP Capital protection product, with limited profit potential Capital protection product, with unlimited profit potential UNLIMI TED Certificate, dynamic DYNAMI C Certificate, open-end		

Maximum yield product, discount

DISCOU NT

Maximum yield product, outperformance OUTPE **RFORM** ER Maximum yield product, reverse convertible REV_C **ONVER** TIBLE CALL Warrant, call Warrant, condor CONDO R Warrant, other **OTHER PUT** Warrant, put Warrant, spread SPREA D

DerivativeSecTypeCode SVSPSecTypeCode SVSPSecTypeDesc SVSPCategoryCode SVSPCategoryDesc

Derivative categorisation used within SWX Swiss Exchange and SVSP.

Possible values for DerivativeSecTypeCode are:

WJ Warrant WM Spread warrant WK Knock-out warrant WLMini future

WZ Other leverage product YΑ Capital protection without cap YΒ

Capital protection with cap

Other capital protection product

XA Discount certificate

YΖ

ΧB Barrier discount certificate

XC Reverse convertible

XD Barrier reverse convertible

XΗ Barrier range reverse convertible

ΧE Capped outperformance certificate

XF Express certificate XG Step certificate

ΧZ Other yield optimisation product

ZΑ Tracker certificate ZΒ Bonus certificate

ZC Outperformance certificate

ΖE Airbag certificate ZD Twin-win certificate

ZZ Other participation product

Possible values for SVSPSecTypeCode are:

	110	Warrant
	115	Spread warrant
	120	Knock-out warrant
	130	Mini future
	199	Other leverage product
	410	Capital protection without cap
	450	Capital protection with cap
	499	Other capital protection product
	310	Discount certificate
	320	Barrier discount certificate
	330	Reverse convertible
	340	Barrier reverse convertible
	345	Barrier range reverse convertible
	350	Capped outperformance certificate
	360	Express certificate
	370	Step certificate
	399	Other yield optimisation product
	210	Tracker certificate
	220	Bonus certificate
	230	Outperformance certificate
	240	Airbag certificate
	250	Twin-win certificate
	299	Other participation product
DistributionPolicy	Not Listed	I Investment Fund distribution policy.
	Possible	values are:
	Α	Distribution
	В	Accumulation
DividendEntitlementFlag		Value '1' indicates that the valor attracts dividend payments.
DividendFrequencyCode		Frequency with which dividend payments are made. The codes are the same as for the InterestFrequency.
DividendPayments		List of date, amount, currency for the most recent dividend payments. The values are separated by ' '. The date may be undefined, if only the dividend amount has been announced yet. See also ExDividendDate.
Divisor		Used in Laspeyres formula to normalise the index and to assure its continuity in the case of capital events. The quantity $1 / \texttt{Divisor}$ is commonly referred to as Capital Factor.
EarliestExerciseDate LatestExerciseDate		First date and latest date/time to exercise an option.
Exchange		The unique identifier of an exchange or a market. It is normally conformant
Market		with ISO 10383, e.g. "XSWX", "XFRA", "XHEL", "XETR". Markets are a

	sub-structure of exchanges.		
ExchangeCode	Code identifying the origin of the data.		
	Possible values are:		
	1 virt-x 4 SWX Swiss Exchange		
	5 Eurex options and futures		
	6 Berne Stock Exchange		
	7 Not Listed Investment Funds		
	8 STOXX indices		
	9 Swiss indices etc.		
	C Chicago Board of Trade CBOT		
	F Frankfurter Wertpapierbörse FWB		
	H Helsinki Exchanges		
	X XETRA (Deutsche Börse)		
ExchangeSymbol	The concatenation of ValorSymbol:ExchangeCode.		
ExDividendDate ExDividendType	The date and type of the most recent ex-dividend event which may not necesssarily be identical with any one of the dividend payments descibed in DividendPayments.		
	Possible values for ExDividendType are:		
	C Cash dividend		
	S Stock dividend		
	A A Conto (partial) dividend		
	O Other dividend (e.g. choice between dividend and warrant)		
ExerciseCurrencyCode	The currency applicable to the exercise transaction.		
ExerciseLimit	Upper or lower threshold for a cash settlement, expressed in exercise		
KnockOutFlag	currency.		
	A value of '1' for the KnockOutFlag indicates, that if the ExerciseLimit is reached, the option exercises automatically.		
ExercisePrice	The price at which an option can be exercised. It can be expressed either		
ExercisePricePerUnitFlag	as a total price for the exercise transaction ('0'), or as a price per unit of the underlying ('1').		
ExercisePriceSpread	undenying (1).		
ExpirationTime	The time when an option expires.		
ExRightDate	For rights, this defines the date when the underlying instrument goes exright.		
FinalSettlementValue FinalSettlementDate FinalSettlementTime	Price, date and time of the final settlement values of STOXX & SIX Swiss Exchange indices.		
FirstData	The first date in the time series of this valer or any dependent valer.		
FirstDate	The first date in the time series of this valor or any dependent valors.		

FirstTradingDate LastTradingDate		The first and last trading dates.
FirstInterestPaymentDate		First payment date of a derivative which has an interest component e.g. structured product bond.
FixingDate		
FixedExerciseExchangeRate		Defines a fixed exchange rate for foreign securities for the currency conversions associated with the exercise transaction.
FlatCode		Value 'F' indicates that the price for a bond does not include the accrued interest.
FlatFlag		If '1' the bond is traded flat and accrued interest is not included in the calculation of the settlement amount for a trade.
ForeignCurrencyInterestFlag ForeignInterestCurrencyCode		If '1' the bond's coupons are paid in the indicated foreign currency.
FreeFloatShares FreeFloatFraction CappingFactor		The number of shares freely available for trading and its ratio to the total number of shares. The capping factor is a further factor to reduce the relevant number of shares in capped indices.
FurtherConditionsText FurtherConditionsFlag		Textual description of conditions relating to the exercising which cannot be specified by other attributes. A value of '0' for the FurtherConditionsFlag indicates that these are for information only.
GeographicalAreaCode GeographicalAreaDesc		The unique identifier and the language-dependent translation for a geographical area.
GroupCode	Possible value of the	on of a security (see also SecurityType). Ilues are: Trading Status Indices Total Trade Volumes Euro Interest Rates Official Exchange Rates Derivatives Shares Domestic Shares Foreign Shares Baskets Domestic Bonds Foreign Bonds Eurobonds in USD (obsolete) Eurobonds in EUR (obsolete)

	56	Eurobonds in GBP (obsolete)
	57	Eurobonds in JPY (obsolete)
	59	Eurobonds
	67	Eurex Options
	68	Eurex Options on Futures
	69	Eurex Futures
	80	
		Exchange-traded Funds
	81	Exchange-traded Funds
	82	Foreign Exchange Cross Rates
GuaranteeTypeCode GuaranteeTypeDesc		The unique identifier and textual description for a guarantee type.
HasBasket		The HasBasket flags whether an index has a known basket associated with it ('1') or not ('0').
HolidayCalendar		Symbolic name for the holiday calendar the valor is subject to.
ICBIndustry ICBIndustryDesc ICBSupersector ICBSupersectorDesc		ICB classification attributes for industry and supersector.
IndexCalculationMethod IndexCalculationMethodDes c	and how d	of an index (code and description) as determined by the way it is calculated lividends are treated (price or total return) or on the value used in the index in (yield or duration).
	Р	Price index, not adjusted for dividends
	Т	Total return (performance) index, adjusted for dividends
	Υ	Yield index, only available for bond indices
	D	Duration index, only available for bond indices
IndicativePriceMinimum IndPrcMinCurrency IndPrcMinDate IndPrcMinText		Indicative price minimum, its currency and date as well as a textual comment of a Not Listed Investment Fund.
IndustrySectorCode IndustrySectorDesc		The unique identifier and the textual description of an industry sector.
InstrumentTypeCode	The instru	ment type code of a security.
	Possible v	values are:
	во	Bond
	DE	Derivative
	SH	Share

structured product has an interest component.

The InterestCalculation is a code indicating the interest calculation method.

InterestFrequencyCode

Frequency of how often interest payments take place during a bond's lifetime.

Possible values are:

- 1 Once a year, i.e. every 12 months
- 2 Twice a year, i.e. every 6 months
- 3 3 times a year, i.e. every 4 months
- 4 4 times a year, i.e. every 3 months
- 5 5 times a year, i.e. every 72 days
- 6 6 times a year, i.e. every 60 days
- 7 7 times a year, i.e. every 51 days
- 8 8 times a year, i.e. every 45 days
- 9 9 times a year, i.e. every 40 days
- A 10 times a year, i.e. every 36 days
- B 11 times a year, i.e. every 33 days
- C 12 times a year, i.e. every 30 days
- D Every 2nd year
- E Every 3rd year
- F Every 4th year
- G Every 5th year
- H Every 6th year
- I Every 7th year
- J Every 8th year
- K Every 9th year
- L Every 10th year
- M Every 11th year
- N Every 12th year
- O Every 13th year
- P Every 14th year
- Q Every 15th year
- X Anytime
- Y Irregular recurrence
- Z No recurrence

InterestRate InterestFrequency

Interest rate for bonds and frequency of how often interest payments take place during the bond's lifetime.

The InterestRate value can be "0" since there are bonds with an interest rate of 0%. The value is empty if a new bond is traded before the payment date is reached.

InvestmentVehicleType

Collective investment vehicle of a Not Listed Investment Fund.

Possible values are:

1 Investment Fund

	2 Investment Foundation		
	3 other		
ISIN	12-character international security identifier, conformant to ISO 6166.		
IssueCondition	Conditions applied for the subscription/issue of units/shares of a Not Listed Investment Fund.		
	Possible values are:		
	1 NAV		
	2 NAV plus sales commission		
	3 NAV plus buying fee		
	4 Combination of 2 and 3		
	5 others		
IssueCurrencyCode	Issue currency code, conformant with ISO standard 4217.		
IssuePrice RedemptionPrice InterimProfit	Issue and redemption price as well as interim profit of a Not Listed Investment Fund.		
IssuerCode	Abbreviation about and long toutual name of the icquar		
IssuerNameShort IssuerNameFull	Abbreviation, short and long textual name of the issuer.		
IssueYear	The year in which a bond is issued.		
LastPrice LastDate LastTime LastVolume	Price, date, time, and volume of last trade.		
ListingMemberOrgAbbrev	Abbreviation of the bank responsible for the valor while it is listed.		
BondListedFlag BondDutyToReportFlag	A value of '1' for BondListedFlag indicates that the bond is listed with SIX Swiss Exchange. BondDutyToReportFlag indicates that the bond is subject to reporting obligations. That means currently that it is either listed or has a provisional listing.		
ListingTypeCode ListingTypeDesc	The unique identifier and the textual description of the listing type and thereby the rules & regulations governing the listing and trading of the valor.		
	Possible values for ListingTypeIndicator are:		
	1 Primary listing		
	2 Secondary listing		
	3 Provisional listing		
	4 Not listed		
	5 other		

ListingSegment ListingSegmentDesc	The unique identifier and textual description of the segment under which the valor is listed.
TotalMarketCap TotalMarketCapCHF FreeFloatMarketCap FreeFloatMarketCapCHF IndexMarketCap IndexMarketCapCHF IndexComponentWeight	TotalMarketCap = ClosingPrice * TotalShares FreeFloatMarketCap = ClosingPrice * FreeFloatShares * CappingFactor IndexMarketCap is the sum over all index component of TotalMarketCap or FreeFloatMarketCap, depending on IndexCalculationMethod. IndexComponentWeight is the weight of the component in the index.
MarketDate MarketTime	Date and time for the market information. The market date changes around 6am of a trading day. The market time is the time stamp of the last received feed message delayed by 15 minutes. Therefore the market time can be much more than 15 minutes behind wall clock time when the market is closed.
MarketDelay	Nominal delay of the market information (in seconds).
MarketState	"Open" if the OrderbookState for any of the selected valors corresponds currently to "Open for trading" or "Stop trading". "Closed" otherwise.
MaturityDate EarliestRedemptionDate PaymentDate	Maturity and earliest redemption date for bonds. Date from which interest starts to be accumulated.
MaturityDateAlt	MaturityDateAlt may be specified for derivatives with a bond component.
MaxInterestRate MinInterestRate	The maximum and minimum interest rate of a bond with a variable interest rate, fixed at the time of issue.
NetAssetValue NetAssetDate NetAssetTime	Value, date and time of the last NAV of a fund. Generally calculated in real-time, by the provider of the market data feed (cf. OfficialNetAssetValue).
NominalCurrency TradingCurrency TradingBaseCurrency TurnoverCurrency	Nominal, trading and turnover currency codes, conformant to ISO standard 4217. TradingCurrency expresses the price unit, i.e. PCT for bonds, while TradingBaseCurrency expresses the currency for trade values (price times volume). The TurnoverCurrency, e.g., GBP, may differ from the TradingBaseCurrency, e.g., GPX.
NominalValue	The face value of an equity valor.
NSIN	National security identifier, obtained from the ISIN by removing the country code, any leading zeroes, and the check digit at the end. For Swiss ISINs this corresponds to the ValorNo. For other countries the NSIN may contain not just digits.
OfficialNetAssetValue OfficialNetAssetDate OfficialNetAssetTime	The value calculated by taking the market value of all securities owned plus all other assets such as cash, subtracting all liabilities, and then dividing the resulting FundVolumne by the total number of shares outstanding (Certificates). This value and its date and time is generally provided once per day by the fund company.

OnMarketTrades
OnMarketVolume
OnMarketTumover
OnMarketTumoverCHF
OffBookTrades
OffBookTumover
OffBookTumover
OffBookTumoverCHF
OffExchangeTrades
OffExchangeVolume
OffExchangeTumover
OffExchangeTumover
OffExchangeTumoverCHF
TotalTrades

OffExchangeTurnoverCHF
TotalTrades
TotalVolume
TotalTurnover
TotalTurnoverCHF

Cumulated on-market, off-exchange, and total number of trades, volumes and turnover.

Trades are an approximate count of the number of trades during the current day. Due to netting and reversal the actual number of trades may be different.

Volumes are in number of pieces for shares and derivatives and in nominal currency units for bonds. Turnovers are in units of the TurnoverCurrency. The following relations hold:

OffExchange = OffBook + SwissAtMid
Total = OnMarket + OffExchange

OnMarket and OffExchange values are already corrected for reversals reported the same day.

OnMarketVolumeDelta
OnMarketTurnoverDelta
OffExchangeVolumeDelta
OffExchangeTurnoverDelta
OffBookVolumeDelta
OffBookTurnoverDelta
SwissAtMidVolumeDelta
SwissAtMidTurnoverDelta
TotalVolumeDelta
TotalTurnoverDelta
ReportDate
TradeDate

Adjustments of trading statistics for a given TradeDate. This data is based on off-exchange trades reported for that TradeDate on a later ReportDate. To calculate the correct trading statistics for a given TradeDate, the original values and the corrections for all ReportDates have to be arithmetically added.

OpeningPrice ClosingPrice

First and last paid price during a given trading date. While the market is open, ClosingPrice returns the same value as LastPrice.

OptionStyleCode OptionStyleDesc With an American style option the option can be exercised at any point up to the expiration date while a European style option can be exercised only on the expiration date.

OptionTypeCode OptionTypeDesc The unique identifier and the textual description of the option type.

OrderbookState

Code indicating whether the security is trading.

Possible values are:

- -1 Open For Trading
- 0 Instrument Not Trading
- 1 Preopening
- 2 Break
- 3 Suspended
- 4 Non-Opening
- 5 Stop Trading
- 6 Underlying Not Trading

	7 Security Not Yet Trading		
	8 Between Auctions		
	9 Security Delisted		
	10 New Security		
	11 In Recovery		
	12 After Recovery		
	13 Post Trading		
Peculiarities	NAV calculation time and/or possible restrictions on issue/redemption of units/shares of a fund. Up to three codes may be contained in this attribute, in any sequence.		
	Possible values are:		
	A weekly		
	B monthly		
	C quarterly		
	D no regular issues and redemptions E previous day price		
	G issue stopped		
	H issue and redemption stopped		
	I price indication		
	X distribution of income and/or capital gains		
Performance PerformanceWeek	Change of today's NetAssetValue of a fund with respect to the previous year's and previous week's closing NAV.		
PortalSegment	The market segmentation used for the "SWX for investors" portal.		
	Possible values are:		
	EQ Equities		
	BO Bonds		
	FU Funds		
	OT Others		
PotentialOpeningPrice PotentialOpeningVolume	Potential or theoretical opening price and volume whilst the market is still closed.		
3 11 1			
PremiumFraction			
PreviousClosingPrice ClosingDiff ClosingDelta LastDiff LastDelta	Closing price of the preceding trading day. ClosingDiff = ClosingPrice - PreviousClosingPrice ClosingDelta = 100 * (ClosingPrice - PreviousClosingPrice) / PreviousClosingPrice ClosingDiff and ClosingDelta are zero before the first trade of the day. LastDiff = LastPrice - PreviousClosingPrice LastDelta = 100 * (LastPrice - PreviousClosingPrice) / PreviousClosingPrice LastDiff and LastDelta are empty before the first trade of the day.		
	Edotom and Edotoma are empty before the mot trade of the day.		

PreviousDate		Date of the preceding trading day.
PreviousMonthPrice PreviousMonthDate PreviousPreviousMonthPrice PreviousPreviousMonthDate		Closing price and date of the last trading day in the preceding month and the month before that.
PreviousYearPrice PreviousYearDate PreviousPreviousYearPrice PreviousPreviousYearDate		Closing price and date of the last trading day in the preceding year and the year before that.
PriceStepGroupCode PriceStepGroupDesc		The unique identifier and the textual description of a price step group.
PriceSteps PriceDigits		PriceSteps is the list of minimum price and price step amounts. The first minimum price is implicitly always zero. For example, "0.01 10 0.05" describes a price steps as 0.00 / 0.01 / 9.99 / 10.00 / 10.05. PriceDigits is a condensed form of PriceSteps containing the number of decimal places needed. For example, "4 10 3 100 2" describes a formatting as 0.0000 / 9.9999 / 10.000 / 99.999 / 100.00.
ProductBrand		Product brand for a derivative series of a given issuer.
ProductISIN		The ISIN of the product a security belongs to.
ProductLine ProductLineDesc		SWX/virt-x product line. alues for ProductLine are:
	O F DS FS ET DB FB EB DE WA SP S1 S2 SF IF SE PE VE	Option Future Swiss Share Foreign Share Exchange Traded Fund Swiss Bond Foreign Bond International Bond (ex Eurobond) Derivative Warrant Structured Product (obsolete) Structured Product with Interest Component Structured Fund Investment Fund Swiss Equity Paneuropean Equity Exchange Traded Fund
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Promoter		Promoter of a Not Listed Investment Fund.

RedemptionCondition	Conditions applied for the redemption of units/shares of a Not Listed Investment Fund. Possible values are: 1 NAV 2 NAV minus redemption condition 3 NAV minus selling fee 4 Combination of 2 and 3 5 others
RedemptionNoticePeriod	The number of days which the issuer of a bond contracts to give as notice for premature redemption(s). This is supplied when the bond is first issued.
MarketSegment MarketSegmentFromDate	Market segment, and thereby the jurisdiction, to which the security is allocated, and the date from which onwards this allocation applies. Possible values for MarketSegment are: EU regulated market EURM UK exchange regulated market UKERM
BloombergLocalSymbol BloombergVtxSymbol	Bloomberg symbols for the security on its primary exchange and on virt-x.
ReutersLocalRIC ReutersVtxRIC	Reuters Instrument Codes for the security on its primary exchange and on virt-x.
Band	For securities traded on virt-x the band defines different sets of regulations for delayed trade reporting and delayed publication of off order-book trades.
RelevantShares	The number of shares used in the index calculation.
ReportingParamCode ReportingParamDesc	The unique identifier and textual description of the trade reporting regime of a given security.
SecId SecCode	Unique numeric value to identify a security, allocated by the SWX trading platform.
SecTypeCode SecTypeDesc	The unique identifier and the textual description of a Security Type (cf. SecurityType).
SecurityId SerialNumber	Unique string and numeric values to identify a security in FQS.
SecurityType	Code for security types (see also GroupCode). Possible values are: BS Bearer Share

	EF	Exchange-traded Funds
	GC	Gratification Certificate
	PC	Participation Certificate
	RS	Registered Share
	UT	Unit Trust
	OT	Others
	AS	Asset Backed Security
	BE	Bond ex Warrant
	BN	Bond Linked Note
	ВО	Bond
	BW	Bond with Warrant
	СВ	Convertible Bond
	CN	Credit Linked Note
	DB	Dual Currency Bond
	DC	Dual Currency Convertible Bond
	FI	Foreign Dual Currency Convertible Bond
	FL	Floating Rate Bond
	CW	Covered Warrant
	DR	Warrant on Commodity
	KI	Knock-In Warrant
	ко	Knock-Out Warrant
	OW	Other Warrant
	RI	Right
	SB	Structured Product Bond
	SC	Structured Product Certificate
	so	Structured Product Commodity
	SP	Structured Product Warrant
	sw	Shareholder's Warrant
	WB	Warrant of Bond
	WC	Warrant on Currency
	WI	Warrant on Interest Rate
ServiceName		The unique identifier of the service which provides the data: e.g. "fqsdata", "exqsdata".
SettlementAmountFactor		The multiplicative factor used in the determination of the settlement amount
SettlementCycleDays		of a trade and the default number of days after trading on which a trade is normally settled.
ShareCountType	The type	of capital used in the index calculation.
	Possible	values are:
	Т	Total number of shares, i.e. the TotalShares are relevant
	F	Free-float portion, i.e. the FreeFloat is relevant
ShortFundName UnitName		Short name of the Not Listed Investment Fund (max. 60 characters). Name of a unit/share of a Not Listed Investment Fund (max. 80 characters).

ShortName		Short name (max. 30 characters) of the security. Security names are the German or English version.
ShortNameAlt SecDescriptionFull SecDescriptionFullAlt		Alternative short name (max. 30 characters) and full names (max. 60 characters) of the security. Security names are the German or English version. The alternative names may be in another language or the set of another vendor.
ShortPositionFlag		A value of '1' indicates, that the option implies an obligation to receive / deliver rather than an entitlement.
SmallestDenomination SmallestDenominationAlt SmallestTradeableUnit		Defines the step size, in which the order quantity can be incremented.
MinOrderQty		Minimum quantity of an order to be executed.
StopTradingRange StopTradingRangeType StopTradingRangeUnit StopTradingDuration	which will minimum r	alue of the difference between the reference price and a potential trade price cause a stop trading, the standard duration of a stop trading and the number of minutes of trading after a stop trading before trading ceases for the StopTradingRangeType implies the StopTradingRangeUnit for the ngRange.
	Possible v	alues for StopTradingRangeType are:
	1	percentage from the last paid price
	2	number of price steps absolute amount
	4	no stop trading
StrikePrice		Strike (or exercise) price of an option or futures contract. StrikePrice is the actual strike price which may change due to capital adjustments of the underlying instrument.
StrikePriceCurrency		Strike price currency code, conformant to ISO standard 4217.
SubscriptionPaymentDueDate		The date upon which the payments from subscribers to a new issue are due. This is relevant to the calculation of accrued interest because this date is the earliest possible value date for the bond. Any trades which are agreed before this date will have a value date equal to or later than the SubscriptionPaymentDueDate. Also known as Liberierung.
SwissAtMidTrades SwissAtMidVolume SwissAtMidTurnover SwissAtMidTurnoverCHF		Cumulated number of trades, volumes and turnover in the Swiss At Mid dark pool. Trades are an approximate count of the number of trades during the current day. Due to netting and reversal the actual number of trades may be different. Volumes are in number of pieces for shares and derivatives and in nominal currency units for bonds. Turnovers are in units of the TurnoverCurrency. The dark pool volumes are already included in OffExchangeVolume etc.
TermFromDate		

TermToDate		
TitleSegment TitleSegmentDesc	A coarse-grained categorization currently only used for equities. Possible values for TitleSegment are: SA Schweizer Aktien AA Ausländische Aktien SP Sponsored Segment	
Tminus1Volume Tminus1Turnover Tminus1toNVolume Tminus1toNTurnover Tminus2toNVolume Tminus2toNTurnover	Volumes and turnover reported for the preceding trading date (T-1) alone, culmulated for all trading dates, and cumulated for T-2 and before, respectively. Volumes are in number of pieces for shares and derivatives and in nominal currency units for bonds. Turnovers are in units of the TurnoverCurrency. The values may be negative due to reversals of mistrades. The Tminus2toN values are seldom non-zero. The following relations hold: Tminus1toN = Tminus1 + Tminus2toN In the SWX bond market it is customary to delay publication of trade reports until the next day. There T-1 volumes often exceed the OffExchangeVolume for the current trading.	
TotalExpenseRatio TotalExpenseRatioExcl TotalExpenseRatioDate TotalExpenseRatioDescriptio TotalExpenseRatioPortfolio	Total Expense Ratios including and excluding the performance fee and their calculation date for a Not Listed Investment Fund. The TotalExpenseRatioDescription (max. 80 characters) describes fee changes. IncreaseOfFee is an obsolete alias for TotalExpenseRatioDescription.	
TotalShares	The theoretical number of issued and outstanding shares, i.e. the total amount of equities, reduced by the reserve, that has been fully subscribed and wholly or partially paid-in, and documented in the Commercial Register.	
TradingPlatform	The TradingPlatform attribute indicates the electronic trading platform on which trades for the valor can be matched. Possible values are: Q Quotematch platform S SWX platform V virt-x platform	
TradingState	The TradingState attribute indicates if a valor can be traded on the current date. A selection of TradingState=T effectively suppresses all valors which are not yet or no longer tradable. Possible values are: N FirstTradingDate and AcceptOrdersDate are in the future A AcceptOrdersDate is in the past, but FirstTradingDate is still in the future D LastTradingDate is in the past	

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	Т	otherwise
UnderlyingDescription UnderlyingISIN		Textual description for the underlying instrument of an option or future contract. The ISIN of the underlying instrument.
UnderlyingExchange UnderlyingMarket UnderlyingMarketCode		The Exchange and Market of the underlying instrument of a derivative.
UnderlyingExchangeCode		The ExchangeCode of a market where the underlying instrument is traded.
ValorNumber ValorSymbol		Swiss valor number and symbol (German or English version).
ValorSymbolAlt		Alternative valor symbol, i.e. in another language or from the set of another vendor.
WarrantSpecialClause	Special co	anditions on warrants traded on SWX Swiss Exchange.
	Possible v	alues are:
	WSC_N ULL	No special conditions
	WSC_K NOCK_ OUT	Warrant with automatic expiry ("knock-out")
Year1986Price Year1986Date Year1991Price Year1991Date		Price and date of the last trading day in 1986 and 1991.
YearAgoPrice YearAgoDate YearAgoDiff YearAgoDelta		PreviousClosingPrice and PreviousDate of the day a year ago. YearAgoDiff = ClosingPrice - YearAgoPrice; YearAgoDelta = 100 * (ClosingPrice - YearAgoPrice) / YearAgoPrice
YearlyHighPrice YearlyHighDate YearlyLowPrice YearlyLowDate		Yearly high/low prices and dates during the last 365 calendar days.
YearThreeAgoPrice YearThreeAgoDate YearThreeAgoDiff YearThreeAgoDelta		PreviousClosingPrice and PreviousDate of the day three years ago. YearThreeAgoDiff = ClosingPrice - YearThreeAgoPrice; YearThreeAgoDelta = 100 * (ClosingPrice - YearThreeAgoPrice) / YearThreeAgoPrice
WeekAgoPrice WeekAgoDate WeekAgoDiff WeekAgoDelta		PreviousClosingPrice and PreviousDate of the day one week ago. WeekAgoDiff = ClosingPrice - WeekAgoPrice; WeekAgoDelta = 100 * (ClosingPrice - WeekAgoPrice) / WeekAgoPrice

MonthAgoPrice MonthAgoDate MonthAgoDiff MonthAgoDelta	PreviousClosingPrice and PreviousDate of the day one month ago. MonthAgoDiff = ClosingPrice - MonthAgoPrice; MonthAgoDelta = 100 * (ClosingPrice - MonthAgoPrice) / MonthAgoPrice
MonthThreeAgoPrice MonthThreeAgoDate MonthThreeAgoDiff MonthThreeAgoDelta	PreviousClosingPrice and PreviousDate of the day three months ago. MonthThreeAgoDiff = ClosingPrice - MonthThreeAgoPrice; MonthThreeAgoDelta = 100 * (ClosingPrice - MonthThreeAgoPrice) / MonthThreeAgoPrice
MonthSixAgoPrice MonthSixAgoDate MonthSixAgoDiff MonthSixAgoDelta	PreviousClosingPrice and PreviousDate of the day six months ago. MonthSixAgoDiff = ClosingPrice - MonthSixAgoPrice; MonthSixAgoDelta = 100 * (ClosingPrice - MonthSixAgoPrice) / MonthSixAgoPrice