SkyQuant
User's Guide

Element & angle distribution: Retrograde 36% || Fire 73% | Earth 9% | Air 9% | Water 9% || Cardinal 27% | Fix 45% | Mutable 27% |

Created with AmiBroker - advanced charting and technical analysis software. http://www.amibroker.com

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What is SkyQuant?

SkyQuant is a powerful solution for market patterns research, cycles analysis and investigation in financial astrology. Based on AmiBroker the plug-in allows to use all platform features for own algorithmic trading systems developing.

Major features

- New kind of visualization
- Fast calculation environment for plotting, back-testing and optimization
- Wide range of astrological methods available:
  - Major and Minor Aspects
  - Ingression
  - Retrograde motion
  - Fix Stars
  - Houses
- Different representation modes:
  - Longitude position
  - Declination
  - Heliocentric coordinate system
  - Sidereal coordinate system
  - Sinusoidal chart
  - Cosinusoidal chart
- Forecast tools implementation:
  - Transit
  - Progressions
  - Directions
  - Forward and Backward calculation
  - It's **FREE** and it's **Open Source**

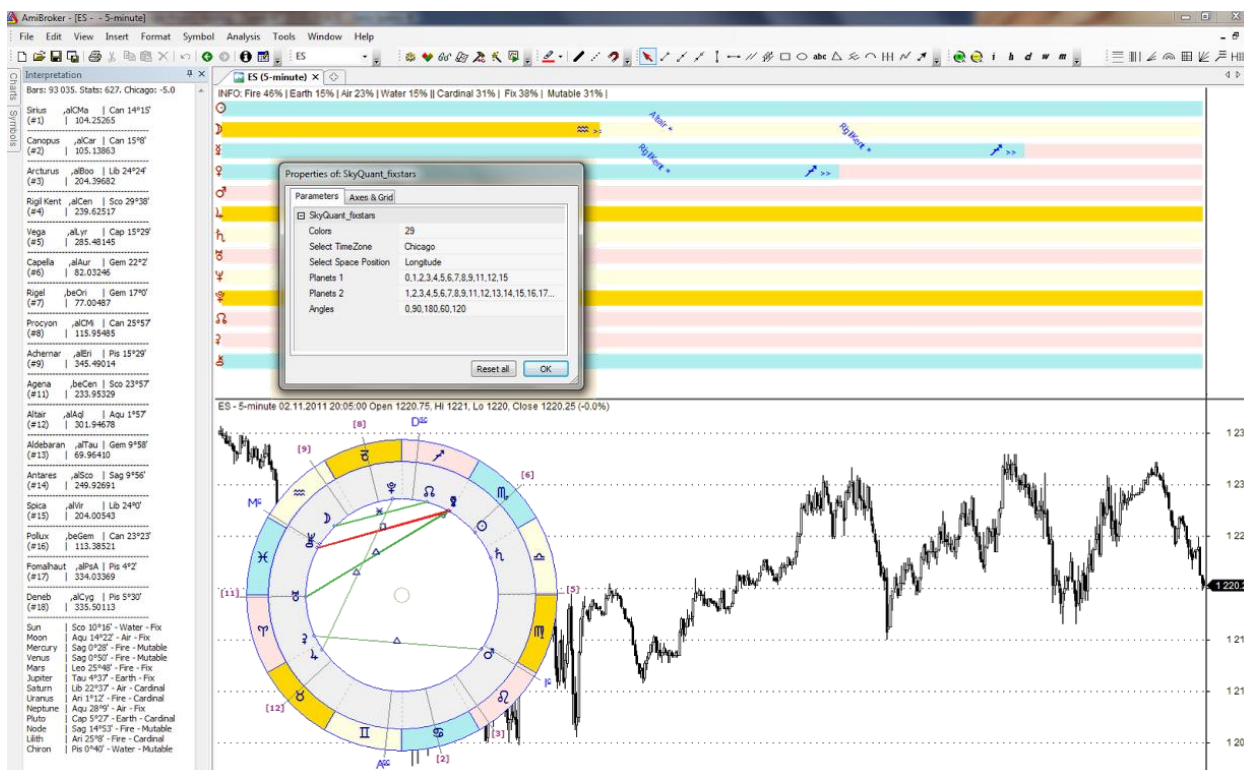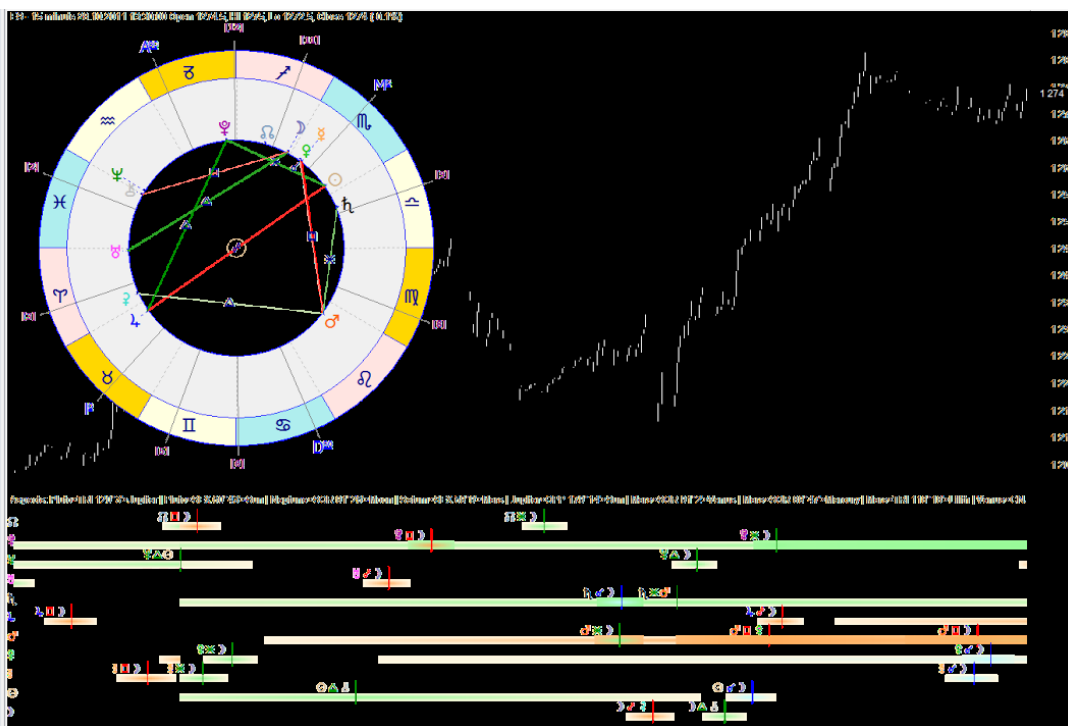   Download DLL: SkyQuantSetup130.exe

    https://code.google.com/archive/p/skyquant/downloads

Bars: 31 421. Stats: 35. NewYork: -4.0

Sun	Sco 4°57'	-----
Moon	Sag 1°42'	-----
Mercury	Sco 23°4'	-----
Venus	Sco 24°14'	-----
Mars	Leo 22°58'	-----
Jupiter	Tau 5°20'	-----
Saturn	Lib 21°59'	Retro
Uranus	Ari 1°22'	Retro
Neptune	Aqu 28°11'	Retro
Pluto	Cap 5°20'	-----
Node	Sag 14°49'	Retro
Lilith	Ari 24°32'	-----
Chiron	Pis 0°44'	Retro

<< Aspects >>

Sun	< 179.61	OPP >	Jupiter
Sun	< 60.39	SEX >	Pluto
Moon	< 119.66	TRI >	Uranus
Moon	< 89.03	SQR >	Chiron
Mercury	< 1.17	CNJ >	Venus
Mercury	< 90.09	SQR >	Mars
Venus	< 91.26	SQR >	Mars
Mars	< 59.02	SEX >	Saturn
Mars	< 118.44	TRI >	Lilith
Jupiter	< 119.99	TRI >	Pluto

<< House Cusps >>

[1]	Cap 23°40'
[2]	Pis 8°51'
[3]	Ari 18°51'
[4]	Tau 17°43'
[5]	Gem 10°6'
[6]	Can 0°34'
[7]	Can 23°40'
[8]	Vir 8°51'
[9]	Lib 18°51'
[10]	Sco 17°43'
[11]	Sag 10°6'
[12]	Cap 0°34'

Bars: 93 035. Stats: 627. Chicago: -5.0

Sirius	,alCMa	Can 14°15'
(#1)		104.25265
Canopus	,alCar	Can 15°8'
(#2)		105.13863
Arcturus	,alBoo	Lib 24°24'
(#3)		204.39682
Rigil Kent	,alCen	Sco 29°38'
(#4)		239.62517
Vega	,alLyr	Cap 15°29'
(#5)		285.48145
Capella	,alAur	Gem 22°2'
(#6)		82.03246
Rigel	,beOri	Gem 17°0'
(#7)		77.00487
Procyon	,alCMi	Can 25°57'
(#8)		115.95485
Achernar	,alEri	Pis 15°29'
(#9)		345.49014
Agena	,beCen	Sco 23°57'
(#11)		233.95329
Altair	,alAql	Aqu 1°57'
(#12)		301.94678
Aldebaran	,alTau	Gem 9°58'
(#13)		69.96410
Antares	,alSco	Sag 9°56'
(#14)		249.92691
Spica	,alVir	Lib 24°0'
(#15)		204.00543
Pollux	,beGem	Can 23°23'
(#16)		113.38521
Fomalhaut	,alPsA	Pis 4°2'
(#17)		334.03369
Deneb	,alCyg	Pis 5°30'
(#18)		335.50113

Sun	Sco 10°16' - Water - Fix
Moon	Aqu 14°22' - Air - Fix
Mercury	Sag 0°28' - Fire - Mutable
Venus	Sag 0°50' - Fire - Mutable
Mars	Leo 25°48' - Fire - Fix
Jupiter	Tau 4°37' - Earth - Fix
Saturn	Lib 22°37' - Air - Cardinal
Uranus	Ari 1°12' - Fire - Cardinal
Neptune	Aqu 28°9' - Air - Fix
Pluto	Cap 5°27' - Earth - Cardinal
Node	Sag 14°53' - Fire - Mutable
Lilith	Ari 25°76' - Fire - Mutable
Chiron	Pis 0°40' - Water - Mutable

Installation

AmiBroker **32-bit** version not older then **5.40** must be installed first.

SkyQuant plug-in installation must be done to the main AmiBroker folder. **BackUp** SkyQuant previous files before this stage.

If formulas folder is different then native AmiBroker folder change the path in **SkyQuant.ini** settings file: `[PATH] TZpath=,C:\Program Files (x86)\AmiBrokerBeta\, ABpath=,C:\Program Files (x86)\AmiBrokerBeta\,`

where * **TZpath** is a part of path to TimeZones files folder * **ABpath** is a part of path to SkyQuant formulas

What's New

Change log.

Version 1.3

(07.04.2013)

- Tertiary Progression (1 Sidereal Day = 1 Sidereal Moon Month)
- Minor Progression (1 Sidereal Moon Month = 1 Tropical Year)
- Direction (1 degree = 1 Year)
- Projection (30 degrees = 1 Year)

- Backward calculation as well as traditional Forward

- Custom orbises for each angle

- Some Minor aspects processing added

Getting Started

SkyQuant AFL file applying launch ephemeris building. Wait some seconds (depends on CPU capacity) until estimation finish. Once calculated ephemeris load to a memory for faster use in work. It lives till AmiBroker closing. Building processing steps can be observed in**Log -> Trace** window.
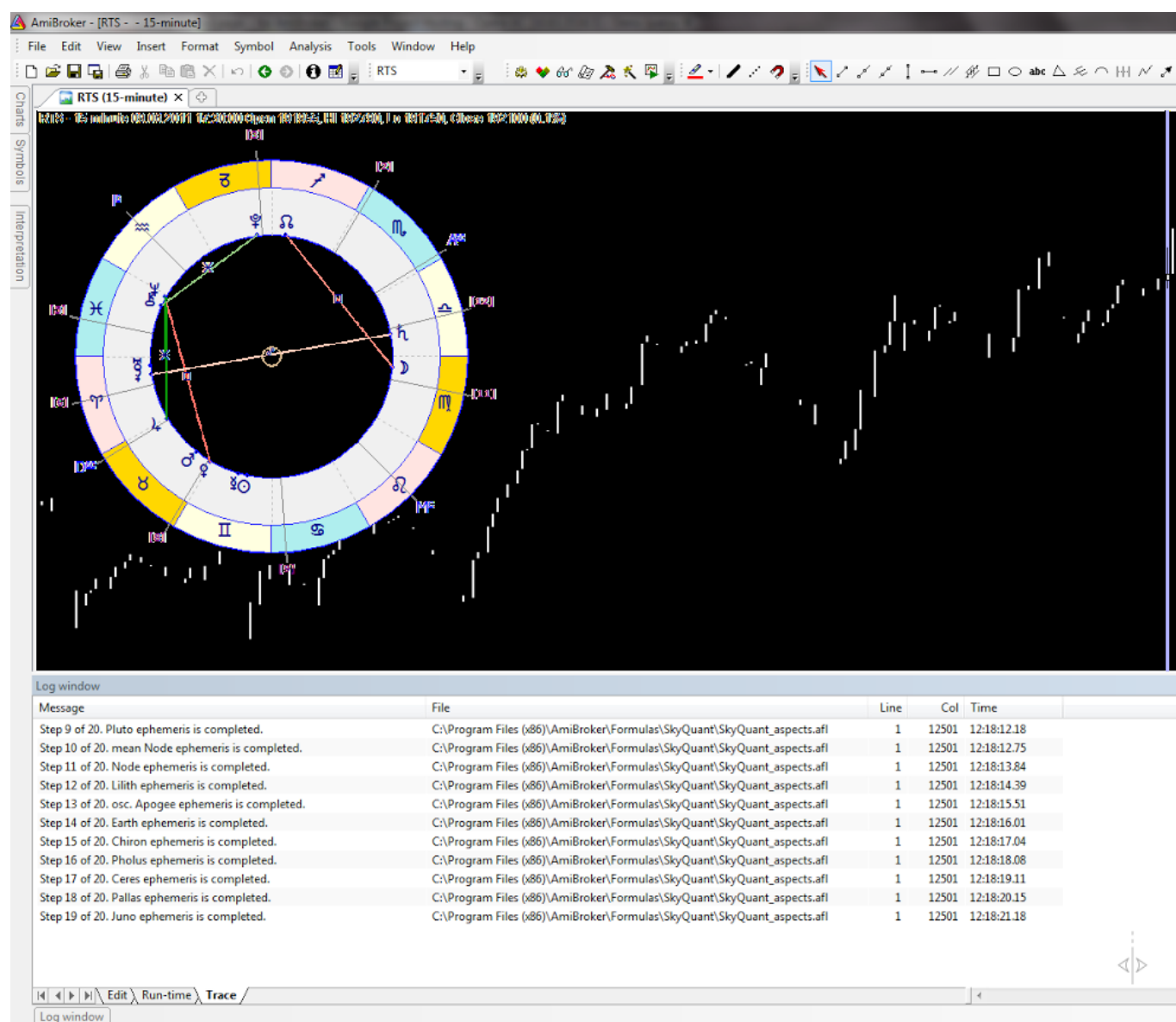
Each object has its own identification number. These IDs must be used in planets list composing in opened indicator's Properties window.
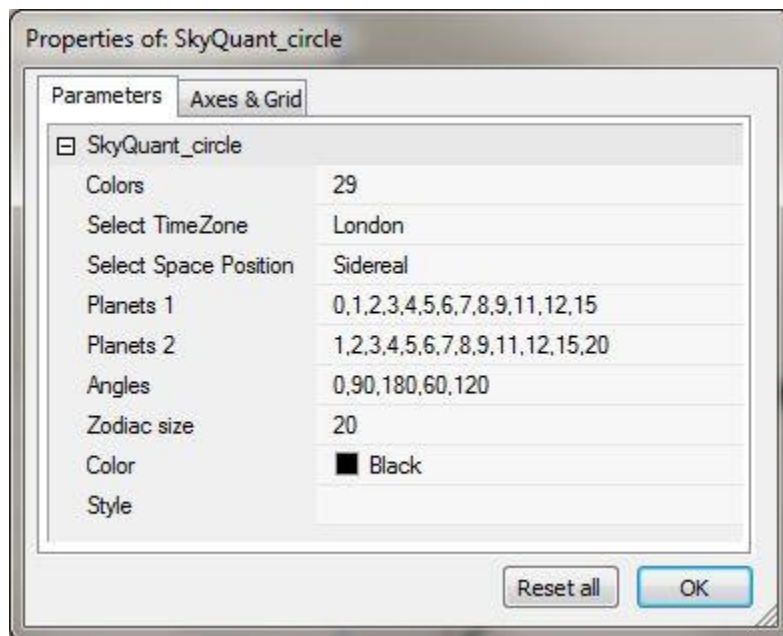
Available planet numbers

Sun 0 Moon 1 Mercury 2 Venus 3 Mars 4 Jupiter 5 Saturn 6 Uranus 7 Neptune 8 Pluto 9 mean Node 10 Node 11 Lilith 12 osc. Apogee 13 Earth 14 Chiron 15 Pholus 16 Ceres 17 Pallas 18 Juno 19 Vesta 20 intp. Apogee 21 intp. Perigee 22 Cupido 40 Hades 41 Zeus 42 Kronos 43 Apollon 44 Admetos 45 Vulcanus 46 Poseidon 47 Isis-Transpluto 48 Nibiru 49 Harrington 50 Leverrier (Neptune) 51 Adams (Neptune) 52 Lowell (Pluto) 53 Pickering (Pluto) 54 Vulcan 55 Selena/White Moon 56 Waldemath 57

Time Zones

Each Time Zones file include information about particular place (usually city) and consist of the next points * Latitude * Longitude * Default Time zone * Time Shift coefficients * List of time changes

For example, for New York it look like that `[atlas],40.776382,-73.966484,NewYork [UTC],-5,-1,0,`

Current version includes the Time Zones files for the following cities:

- Moscow (default)
- London
- New York
- Chicago
- Frankfurt
- Sydney

- Hong Kong
- Mumbai

To change default place the string in **SQ_header.afl** must be corrected.

```
    tzchoice = ParamList("Select TimeZone",
"Moscow|London|NewYork|Chicago|Frankfurt|Sydney|HongKong|Mumbai" );
```
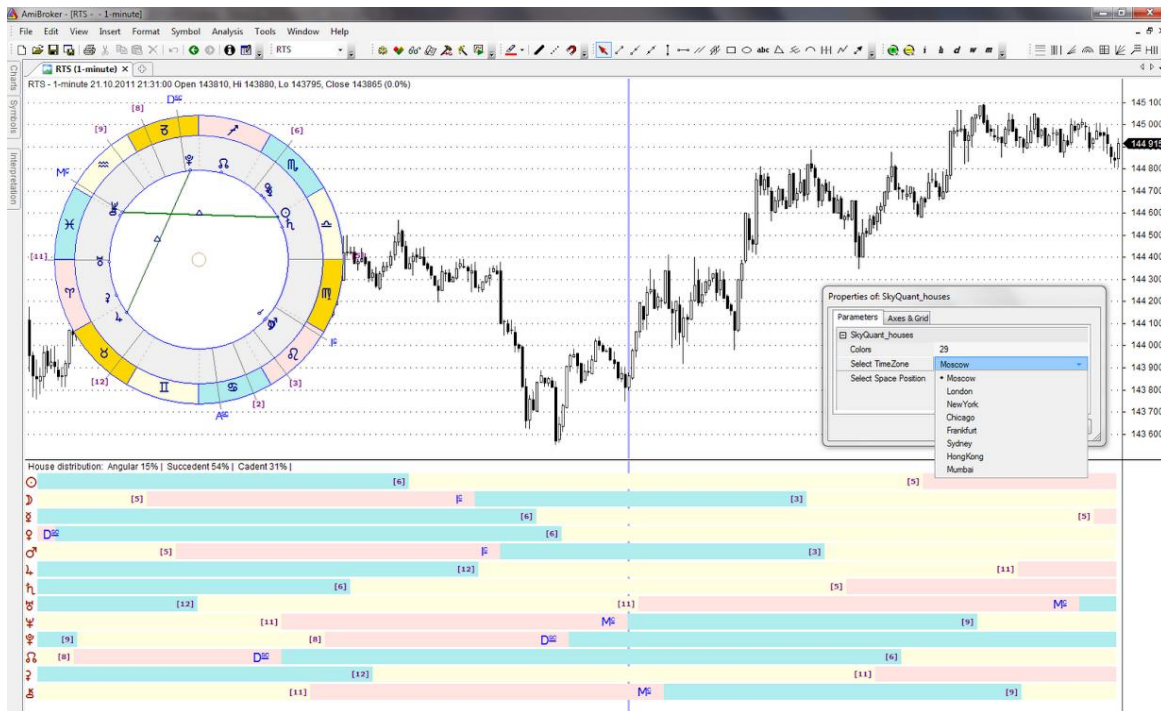
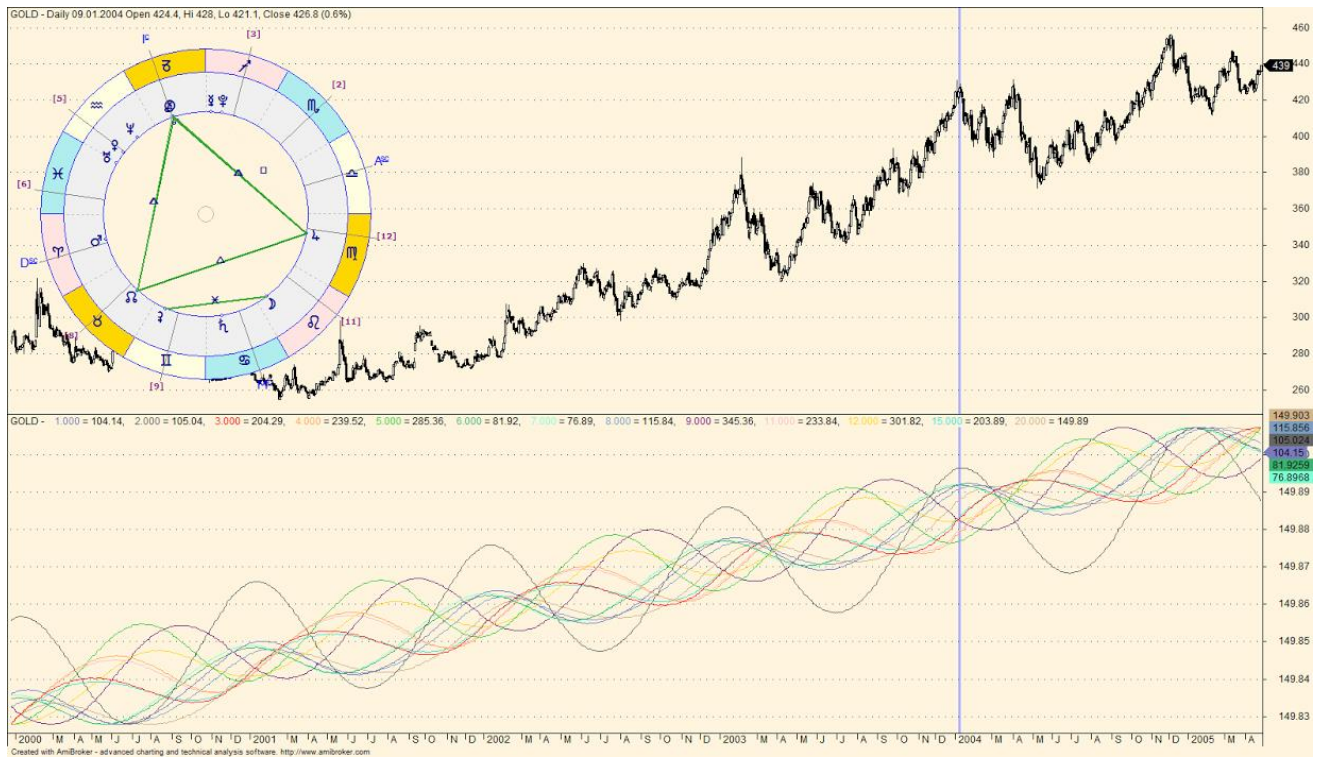

Circle

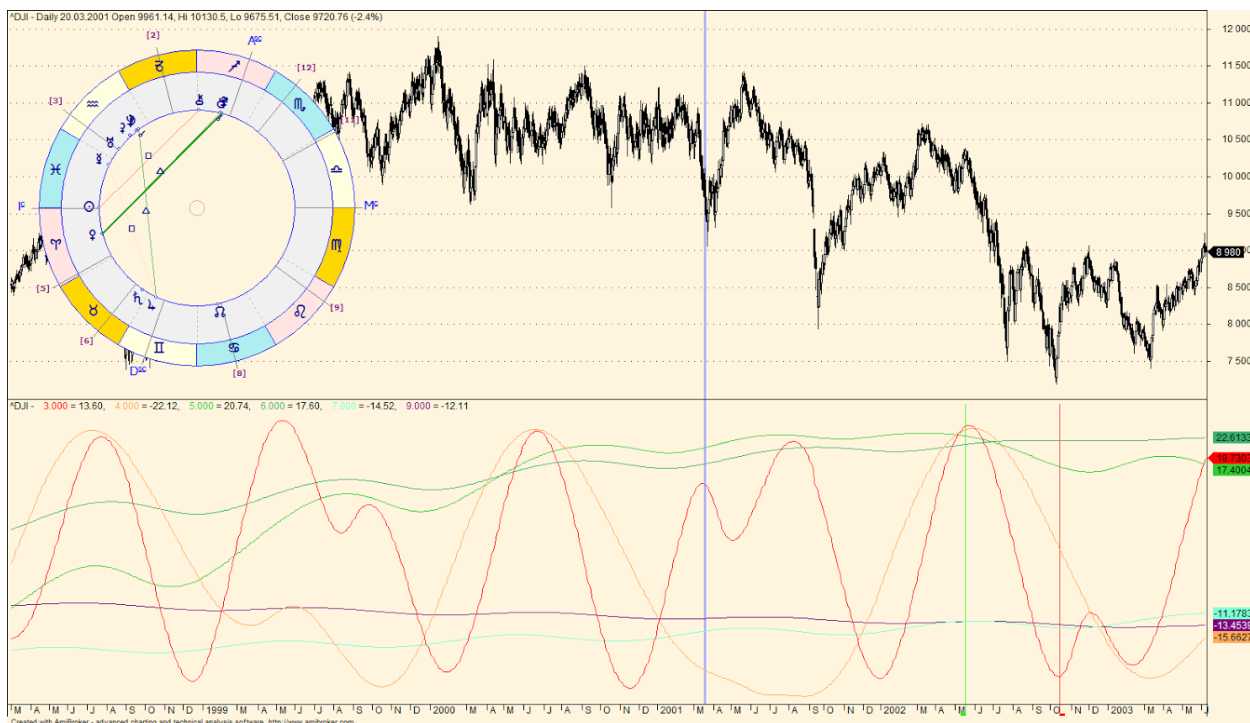The wheel shows Zodiac, planets, aspects, house cuspids positions.

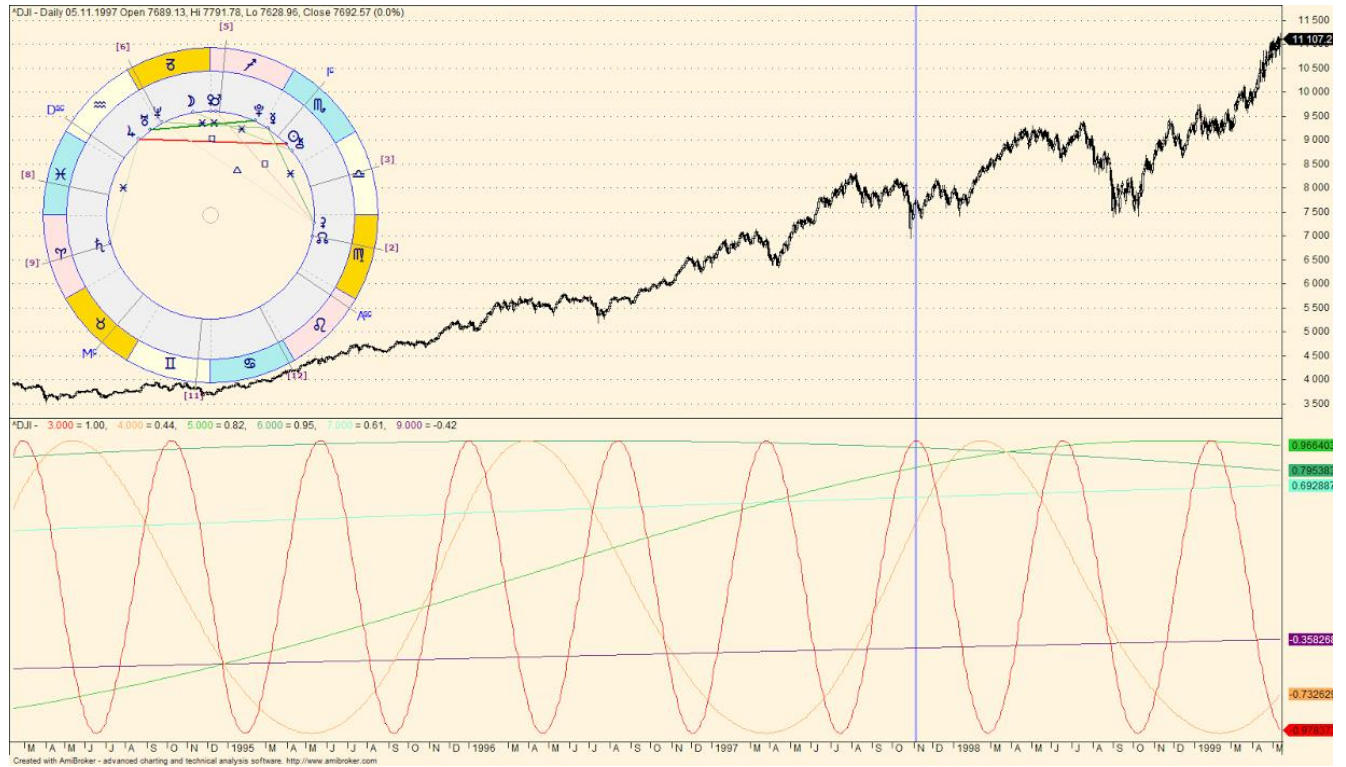ES - 15-minute 29.08.2011 20:45:00 Open 1197.75, Hi 1198, Lo 1196, Close 1196.5 (-0.1%)

Created with AmiBroker - advanced charting and technical analysis software. http://www.amibroker.com
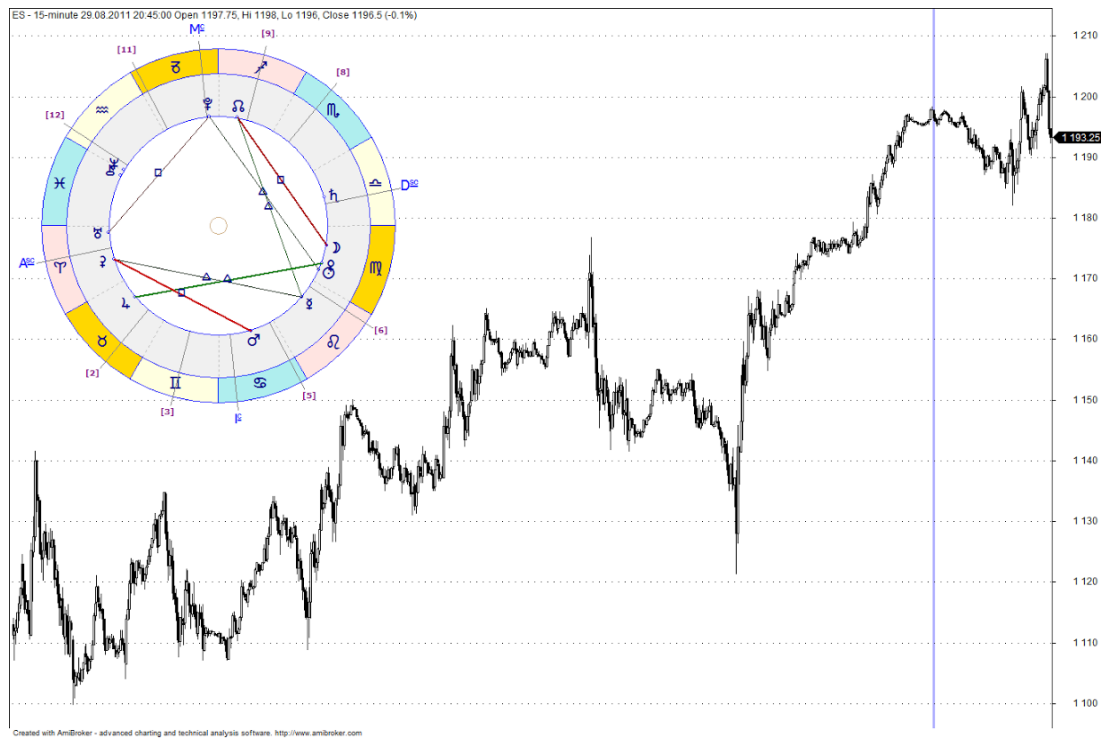
Options

Longitude

By default, coordinates are switched to longitude. Longitude paths available for any space object: Sun system planet, star, asteroid or fictional planets.

GOLD - Daily 09.01.2004 Open 424.4, Hi 428, Lo 421.1, Close 426.8 (0.6%)

GOLD - 1.000 = 104.14, 2.000 = 105.04, 3.000 = 204.29, 4.000 = 239.52, 5.000 = 285.36, 6.000 = 81.92, 7.000 = 76.89, 8.000 = 115.84, 9.000 = 345.36, 11.000 = 233.84, 12.000 = 301.82, 15.000 = 203.89, 20.000 = 149.89

Declination

Heliocentric

Heliocentric Cosinusoids as an example.

Sidereal mode

For Sidereal mode **ayanamsha** must be selected among the following variants:

```
// FAGAN_BRADLEY 0 // LAHIRI 1 // DELUCE 2 // RAMAN 3 // USHASHASHI 4 //
KRISHNAMURTI 5 // DJWHAL_KHUL 6 // YUKTESHWAR 7 // JN_BHASIN 8 //
BABYL_KUGLER1 9 // BABYL_KUGLER2 10 // BABYL_KUGLER3 11 // BABYL_HUBER 12 //
BABYL_ETPSC 13 // ALDEBARAN_15TAU 14 // HIPPARCHOS 15 // SASSANIAN 16 //
GALCENT_0SAG 17 // J2000 18 // J1900 19 // B1950 20 // USER 255
```

By default LAHIRI chosen.

Sidereal longitude sinusoid shown below.
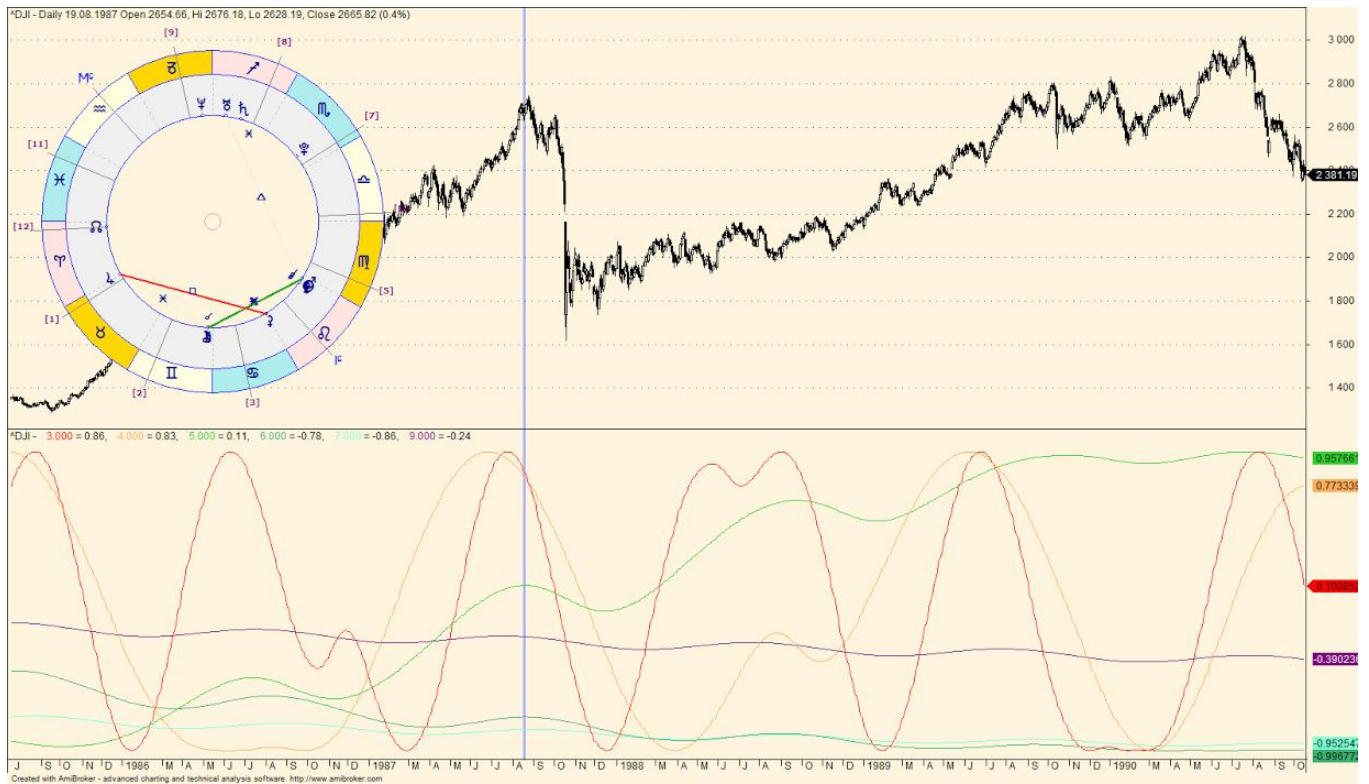
Star Track

Sinusoid

Some star longitude Sinusoids as an example.
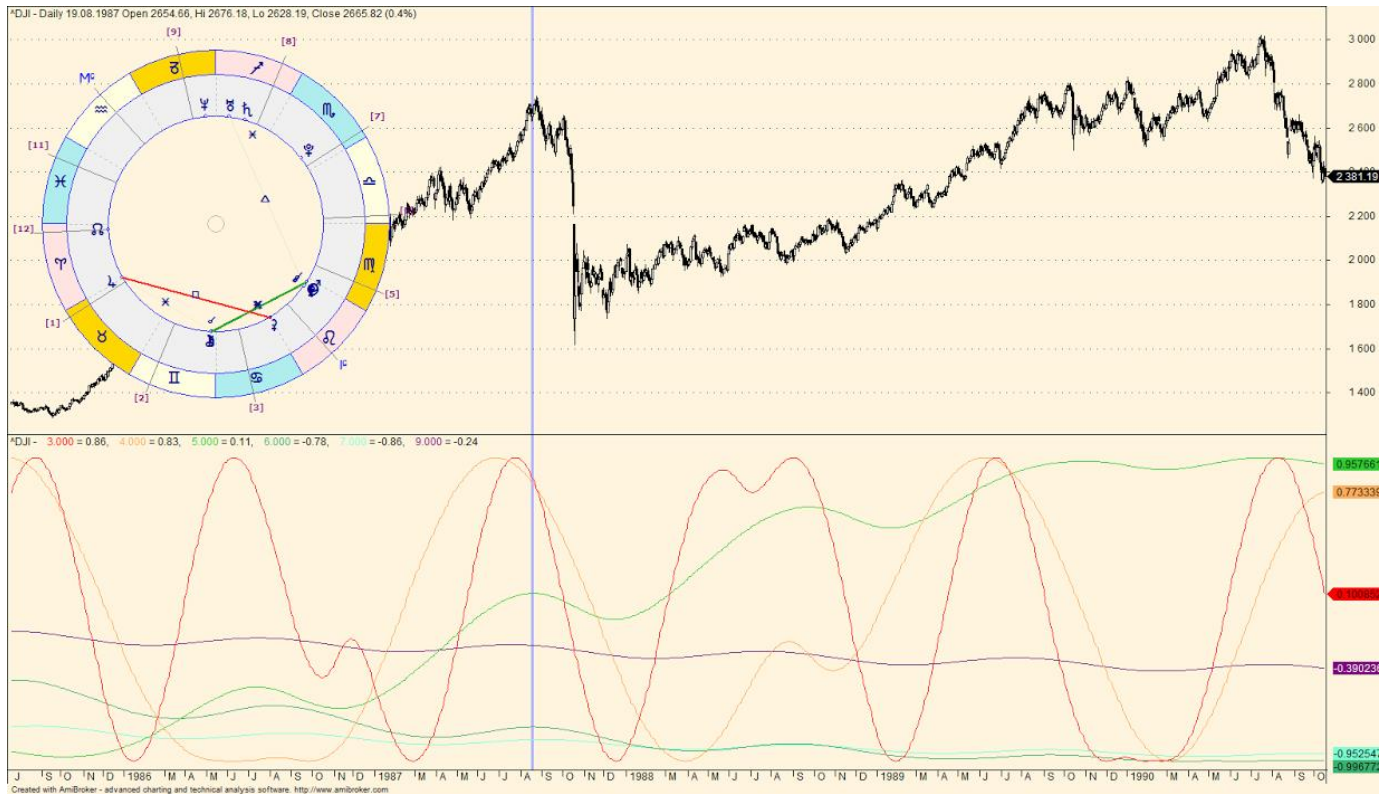
Cosinusoid

Cosinusoid of 2 planets with zero line. Red and green arrows indicate Cosinusoid pivots with projection on a chart defined by ZigZag parameter.

Aspects

Aspects defined by two lists of planets and angle list. Correction possible to do by clicking right mouse button on aspect bars, choosing **Parameters** and necessary list edition: * Planets 1 * Planets 2 * Aspects

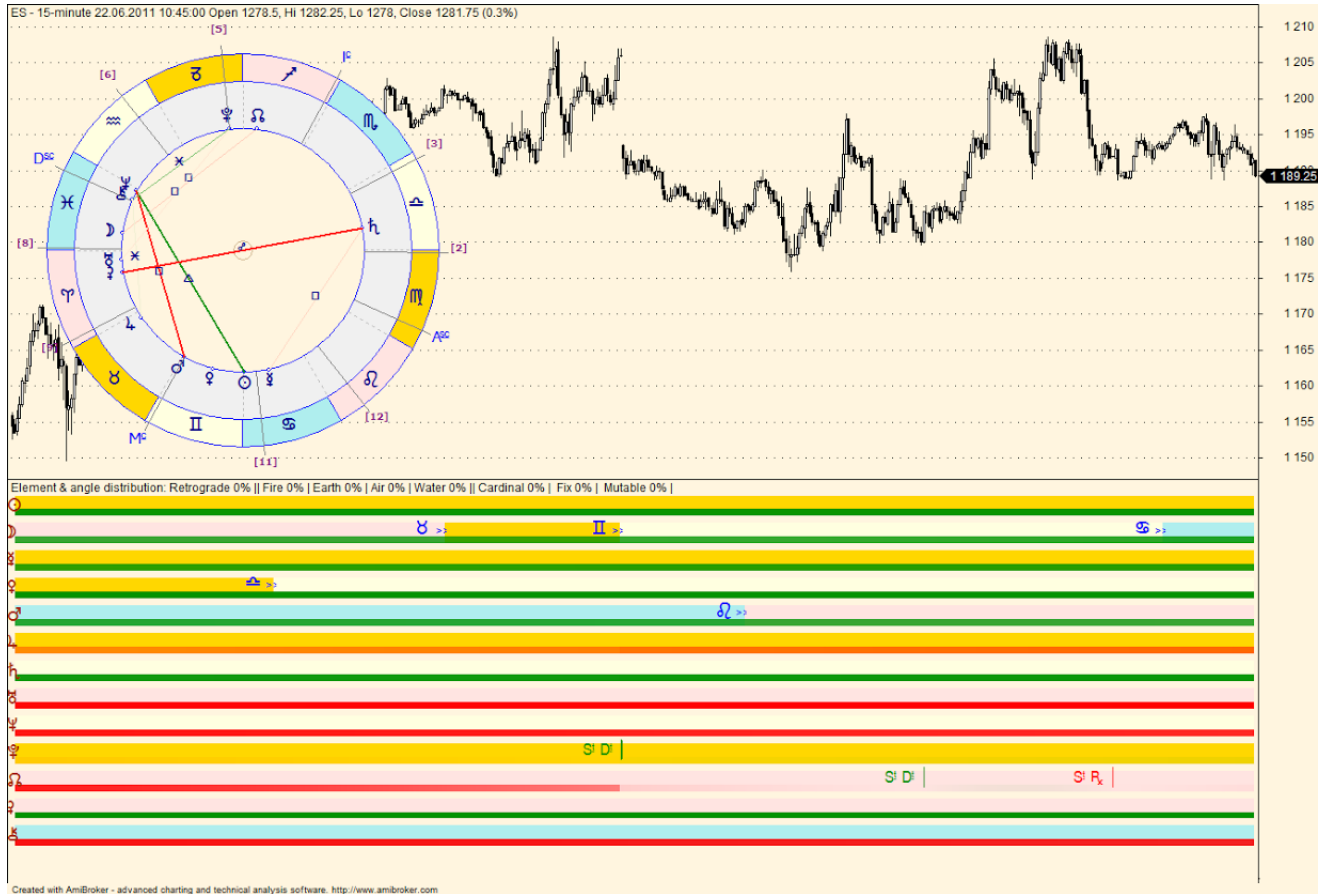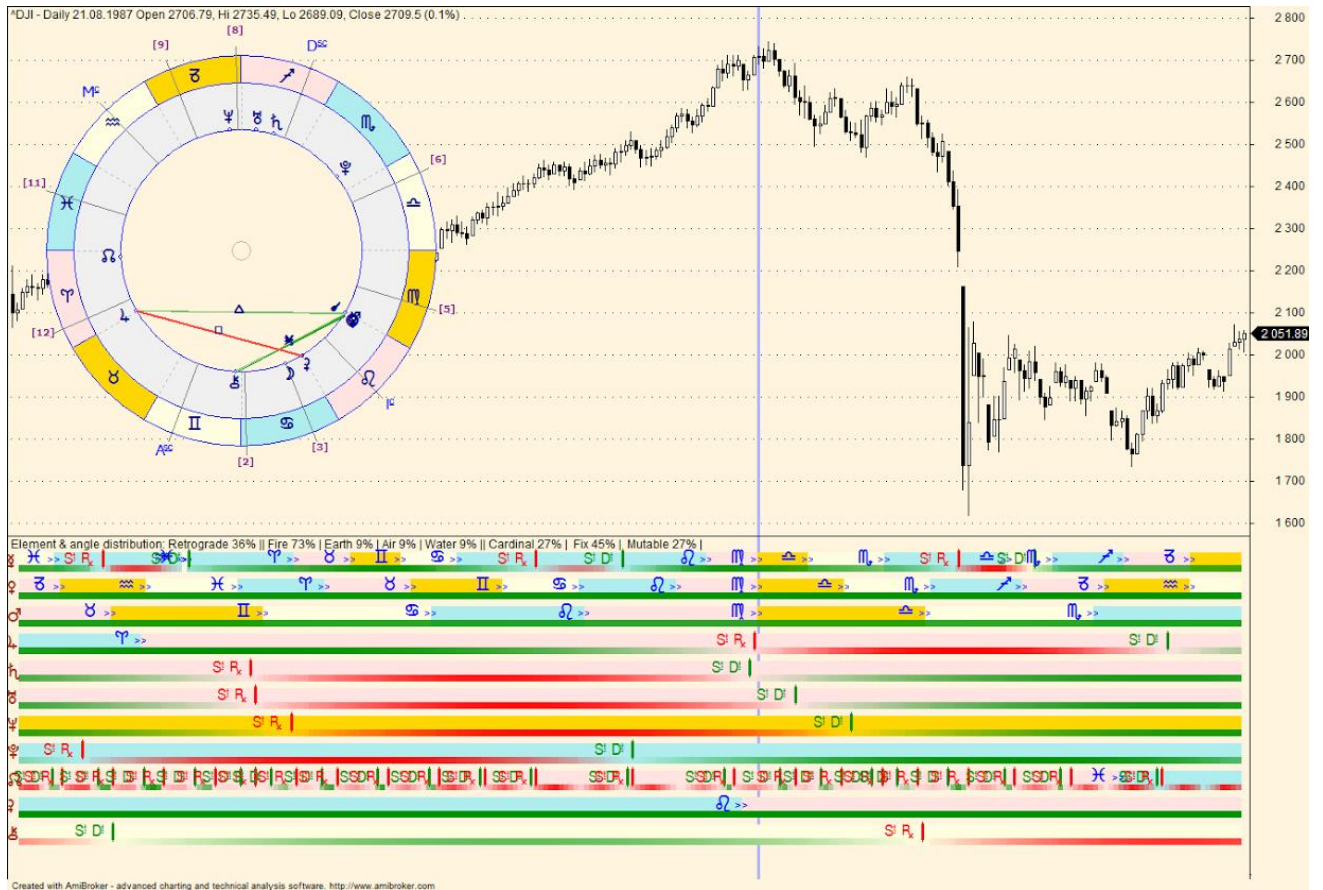Vertical stroke shows an aspect culmination.
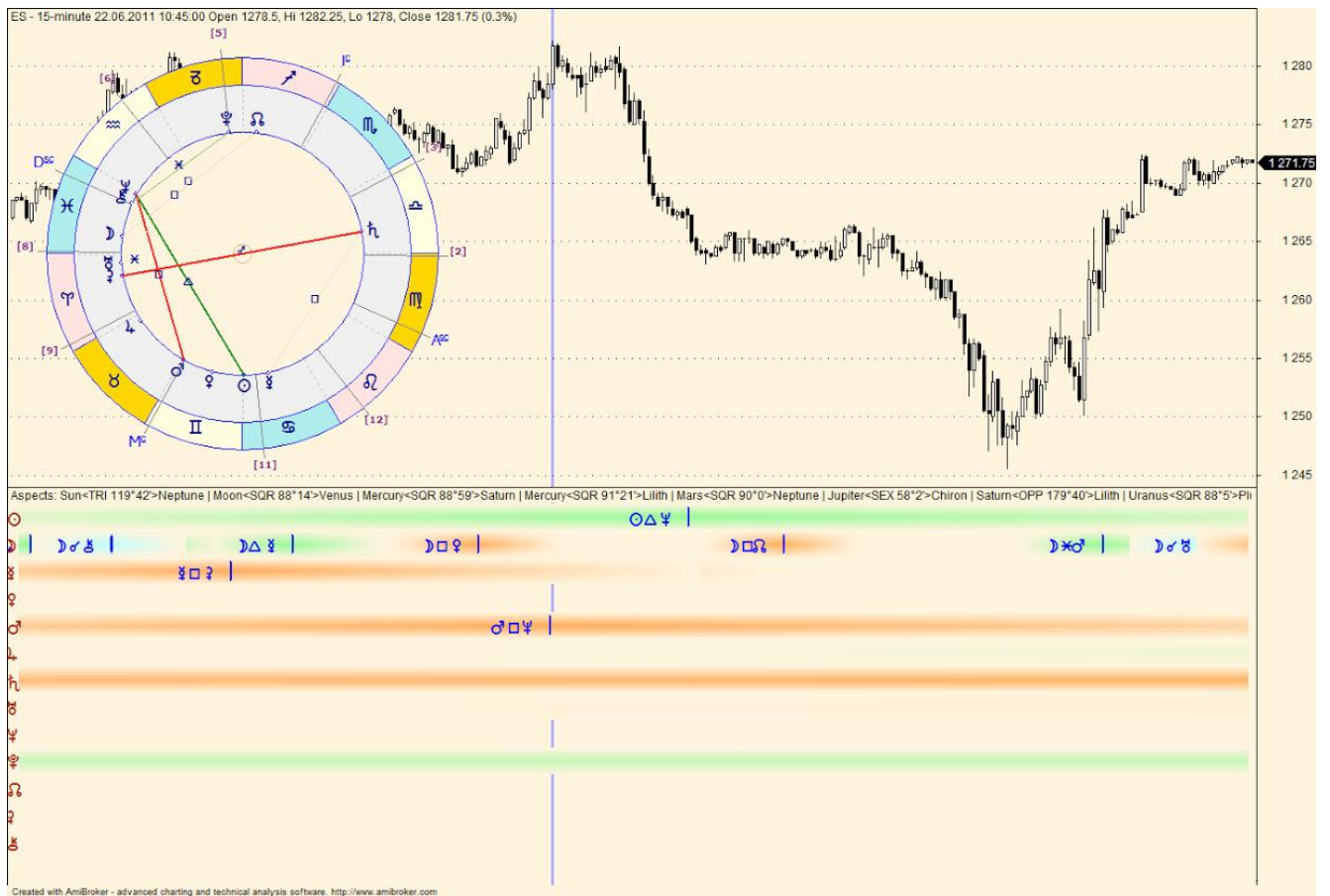
Ingression

Colored by element or cross principle (depends on user selection) bars represent a planet position in Zodiac.

St.R. means that planet change its direction to Retrograde.

St.Dr. means a start of Directional motion.

^DJI - Daily 21.08.1987 Open 2706.79, Hi 2735.49, Lo 2689.09, Close 2709.5 (0.1%)

Element & angle distribution: Retrograde 36% || Fire 73% | Earth 9% | Air 9% | Water 9% || Cardinal 27% | Fix 45% | Mutable 27% |

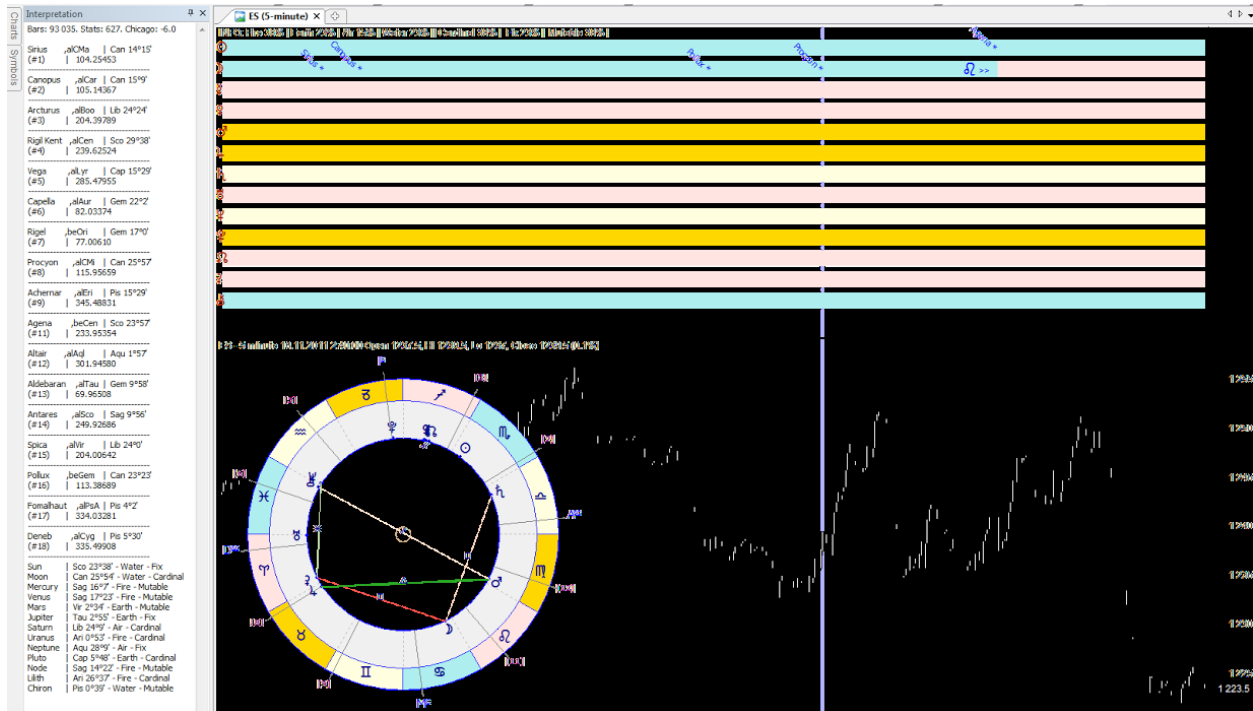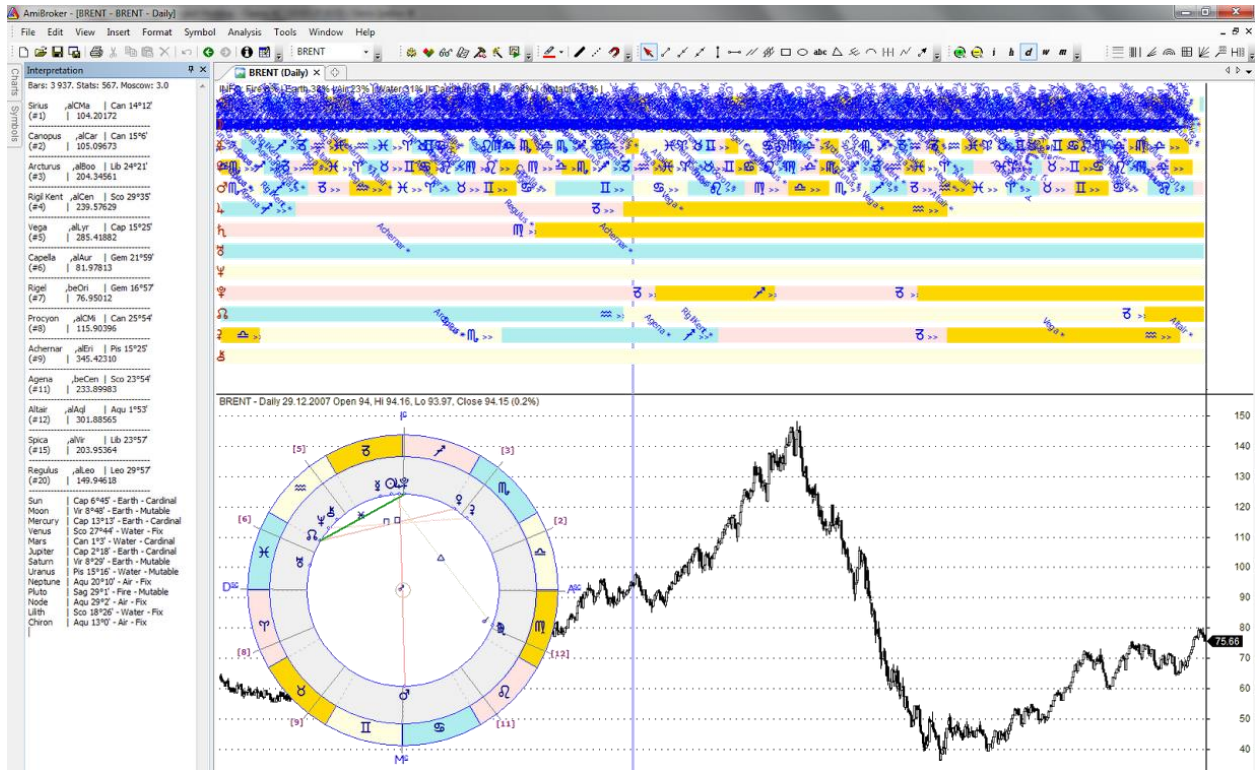Created with AmiBroker - advanced charting and technical analysis software. http://www.amibroker.com

Fix Stars

Named marker on colored bars define a point of planet and star conjunction.

Stars sorted from most to least bright. **Sirius** the first. Catalog includes more than 350 named stars.

Forecasting

How to use Transit method

After **SkyQuant_forecast.afl** script implementing you are able to choose a Natal date and time. Simply by cursor moving when you select particular bar aspects are building from transit to natal planet for each bar. Selecting the necessary bar, you believe natal point exist you have to fix it just by copy-pasting the dates from the second line in Interpretation window to **Natal Date/Time** field of Properties. If you need a horoscope of the first market deal or IPO apply an info selecting the first bar.

You can also complete your own natal date/time which is out of chart. For example, let's make **the Bank of England** horoscope which suppose was founded on 24 June 1694 at noon in London. So natal date/time line for this moment looks like that **0,24,6,1694,12,00,0,0** where digit

1 Time Zone 2 Day 3 Month 4 Year 5 Hour 6 Minute 7 Second 8 Bar Number

Bar Number needs for cycle calculation which is appearing below the second line after natal point fixing. Cycle measuring in years, days and hours. Do not also forget about vertical red &

green markers which make by double mouse clicking. It's not mandatory but conveniently when you wish to see the natal point on a chart.

How to use Progression

Progression are made as Transite but after **forecast** applying you have to select Progression in **Forecasting method** list. Insert Moon or fast internal planets to **Planets Aspecting** field for better performance.

Houses

Colored house bars indicate a planet position. Digits in bracket represent a cuspid of particular house.

That kind of analysis is good on short intraday time-frames, like 1-minute.

On default **Placidus** house system is chosen, but the following house systems are implemented so far:

```
'P'      Placidus

'K'      Koch

'O'      Porphyrius

'R'      Regiomontanus

'C'      Campanus

'A' or 'E'     Equal (cusp 1 is Ascendant)

'V'      Vehlow equal (Asc. in middle of house 1)

'W'      Whole sign

'X'      axial rotation system

'H'      azimuthal or horizontal system

'T'      Polich/Page ("topocentric" system)

'B'      Alcabitus

'M'      Morinus

'U'      Krusinski-Pisa
```

To switch it the string below must be found in **SkyQuant_houses** file and particular letter assigned to var **Hsys**.

```
Hsys = "P"; // houses system
```
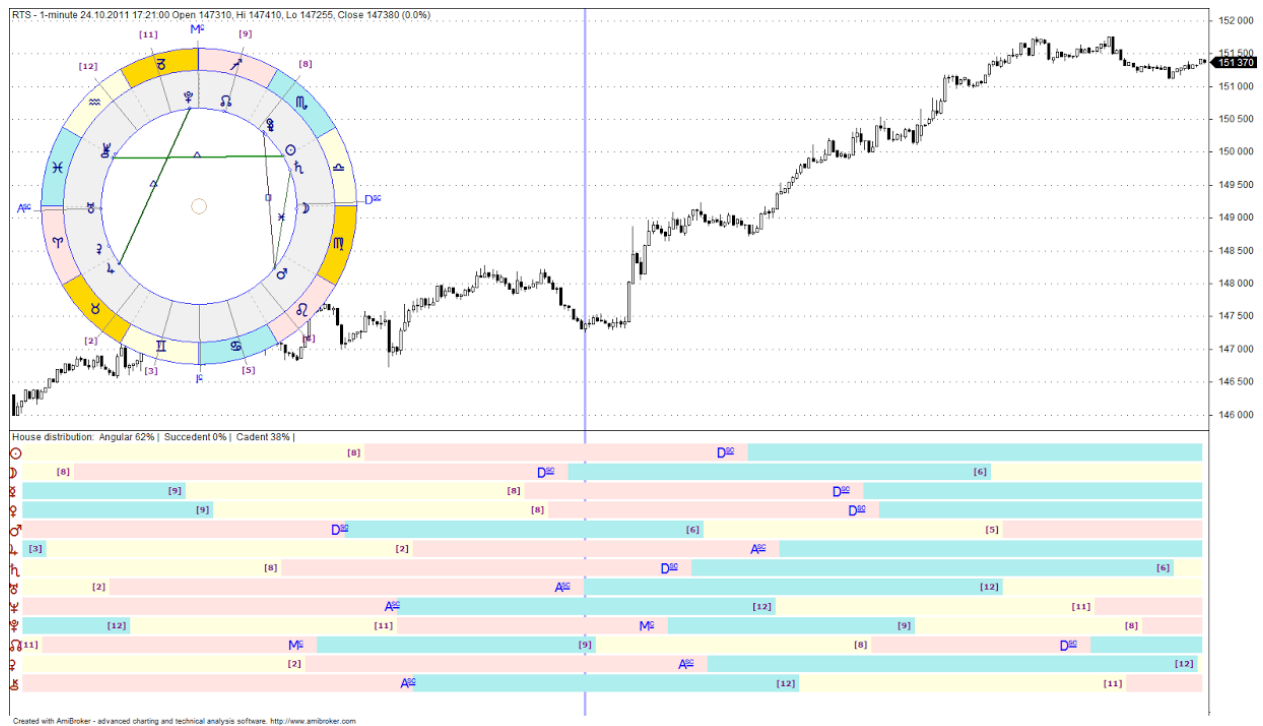
ToDo List

plans for the plug-in improvement and features adding

- ~~Transits~~Transits
- ~~Progressions~~Progressions
- ~~Directions~~Directions
- Eclipses
- Time Zones (including time switches) and geocoordinates database
- Patterns calculation

Document Source:
https://code.google.com/archive/p/skyquant/wikis