**Program Changes**

# Changes from Janus 5.3 to 5.5

## New features

* Generate a list of Jupiter - Saturn Mean Conjunctions and cast a chart from the list of dates.

* Cast Diurnal Chart.

* Import charts from Janus Light.

* Traditional Astrology Mandala wheel pdf added to the Wheels menu.

## Improvements

* Can now get a new inner chart while in animation mode in Bi, Tri and Quad wheel modules.

* Aspect lines in animation Bi, Tri and Quad wheels now uses Transit to Natal aspect orbs for inter-chart aspects.

* Improved calendar layout.

* Can now print 12 months of monthly calendar pages and 12 years of yearly calendar pages.

* Charts with the same name are now sorted into date order on the main screen, and in the Get Chart screen File tab.

* Improved Find Name plus Find Next function in Get Chart screen.

* Improved handling of ACG aspect lines in Astro Locality Map.

* Improved labelling of paran lines on ACG map.

* Harmonic aspect search in the Search module now divides the requested orb by the harmonic number.

* Harmonic aspect search in the Search module now includes conjunctions.

* Improved differentiation between thin, medium, and thick aspect lines.

* Improved algorithms for finding bowl and bucket chart shapes in Single Wheel module and in the Search module.

* Improved display of planets in wheels that are within 1 second of arc to a house cusp.

* Can now export data to multiple instances of Excel.

* Two new wheel designs with large midpoint trees added to Uranian Chart module.


## Fixes

* Single Wheel Rectify. Control panel now shows correct sidereal zodiac positions of the Sun, Moon, Asc, and Mc.
* Uranian Chart. Natal parameters in data are now reported correctly.
* Uranian Chart. In event tab, changing Solar Arc now works correctly for sidereal zodiacs.
* Planetary war calculation has been fixed in the Vedic Chart module.
* Progressed angles and houses has been fixed for Tertiary and Minor progressions for the progressed Mc options Mean SA in Longitude, Mean SA in RA, One Deg for a year, Mean quot Q2, and Apparent Quot Q2.
* Temperaments score in General Results now agrees with Print Page in the Traditional Chart module.
* House cusp calculations for Asc on 1st and beyond has been fixed.
* Index outside bounds of array error message has been fixed when displaying proportional wheel in the Single Wheel module when all the stars are turned on.
* Transits to sidereal natal chart in Calendar has been fixed.
* The Tran P2 sidereal position is now reported correctly in the List Transits module.
* Custom Arabic Parts positions are now reported correctly for sidereal zodiac.
* Galactic Center position is now calculated correctly in the calculate transits module.
* Sidereal Zodiac positions of stations now reported correctly in the Calculate Transits module and the Calculate Single Transits module when calculating stations only.
* Sidereal Zodiac positions of planets and stars are now displayed correctly in the Sky Map.
* Subscript out of range error fixed when select dial in the 4 wheels module for a sidereal chart.
* Increase dial midpoint orb percentage for Sun, Moon, Asc and Mc setting has been fixed for the Main Screen.


# Changes from Janus 5.1 to 5.3

## New features

* Fixed Stars module.

* Arabic Lunar Mansions Wheel module.

* Display chart shapes and aspect patterns in single wheel module using a proportional wheel style.

* Gauquelin Sectors Wheel module.

* Cast a Wynn-Key Return Chart.

* Astrodynes module.

* Munkasey Midpoint Weighting Analysis module.

* Calculate local space house cusp lines using Azimuth Horizon or Azimuth Ecliptic in Astro

Locality Map.

* Export charts to Excel module. Display all charts in a file in Excel. Select what birth data and which planet positions to include.

* Mouse over a wheel planet glyph displays aspect list in Main Screen.

## Improvements

* Bi-Wheel module. Animate Age Harmonics, Primary Directions, and Profections.

* Revised layout of Time Line in List Transits.

* Search module now includes chart shapes, aspect patterns, modern and traditional planet conditions and a chart preview wheel.

* Single wheel module now includes selectable aspect methods: Modern, Degree within moiety, Whole sign, Whole sign within moiety and Vedic.

* Primary Directions module. Can now select time frame in Age or Years.

* Revised layout of Print Dignity Table in Horary and Electional Chart Data.

* Hold mouse down on plus and minus buttons to continuously change date Day Month Year and time Hour Minute Second and dial pointer Degree Minute Second values.

* Synastry Report module now supports an extended range of wheel types.

* Edit Aspect Orbs module now supports saved selections.

* Vedic aspects option has been added to the main screen, single wheel and bi-wheel settings.

* Select which birth data elements to display added to general settings.

* Transits list. Export comma delimited text to clipboard.

* Main screen. Have added Edit Chart Name to charts list short-cut menu.

* Collated transit report now displays interpretations for transiting midpoint aspects natal planet.

* Custom direction arc rate added to single, bi, tri, and quad wheel modules, ephemeris grid and ephemeris text modules.

* Improved message handling about using the Equal from Asc house system for latitudes greater than 66 degrees in Cast New Chart, Edit Chart, Cast Lunar Phase Chart, Cast Ingress Chart, Cast Eclipse Chart, Cast Planet Visual Rise or Set Chart, and Planet on Angle Chart.

* Entering an American format date of the style Jan 20, 1990 is now supported.

* Can now select Use Default word processor or Use Selected word processor.


## Fixes

* Astro Locality Map local space lines to house cusps for birth places north of the ecliptic have been fixed.

* Astro Locality Map constellation line boundaries resolution has been fixed.
* Astro Locality Map local space house cusp lines color has been fixed.
* Get Chart window occasionally shows wrong birth data for selected chart has been fixed.
* Cast a chart using equal from Part of Fortune house system problem has been fixed.
* Aspect line planet selection has been extended to Vesta for main screen wheel, quad wheel, and alternate coordinate systems wheel modules.
* Search window size is now remembered.
* Search window. Selecting zodiac position as point now picks up correct sign.
* The geocentric latitude of place calculation has been fixed in the cast new chart, edit chart, declination graph, graphic ephemeris, calc transits/progressions/directions, calc individual transits, Uranian graph, cast combined chart, cast directed chart, cast progressed chart, cast relocated chart, and sky map modules.
* Calc Transits module. Transit to Transit. 2nd planet position now reported correctly in Transits list.
* Cast a return chart, progressed chart, and directed chart from a topocentric coordinate system natal chart has been fixed.
* Traditional Chart module. House almuten calculation has been fixed.
* Graphic Ephemeris. Missing file problem has been fixed when hot spots turned on and calc lunar phases.
* Progressed mc using quotidian settings now works correctly in the calc transits and calc single transits modules.
* Correct chart is now displayed in Bi-Wheel when double-click a progressed to natal date in the list transits window.
* Change zodiac sign segment border color in bi-wheel and tri-wheel designer now works correctly.
* Primary Directions module. Latitude selection now saved correctly. Parallel and Contra-Parallel aspect glyphs are now displayed correctly.
* Bi-Wheel module now shows correct star positions.
* Relocation Report now reports correct zodiac sign of the Ascendant and Midheaven for sidereal charts.
* Natal planets are now treated as having zero velocity when calculating whether synastry aspects are applying or separating in the Bi, Tri, and Quad wheel Rectify and Animation modes.
* The traditional chart module no longer initially fails if the latitude of the place is greater than 66 degrees north or south.
* The rising and setting calculations for circumpolar planets have been fixed in the Traditional, Electional, and Horary chart modules.
* The original House System setting now retained in the Traditional, Electional, and Horary chart modules, and the Sky Map when the chart is re-calculated using Equal (Asc on 1st) house system for latitudes greater than 66 degrees north or south.
* During animation, the repetitive message "will use the Equal from Asc house system" for latitudes greater than 66 degrees is now suppressed in the Alternate Coordinate Systems wheel, Octoscope, Arabic Lunar Mansions wheel, Single, Bi, Tri, and Quad wheels, Traditional, Electional, Horary charts, and Sky Map.
* Midpoint tree header planet position in data panel is now reported correctly for sidereal zodiac charts in the Single, Bi, Tri, and Quad Wheel, and Synastry modules.
* Single, Bi, Tri, and Quad wheel now displays the correct sidereal zodiac position of the Sun, Moon, Asc, and Mc in the control panel when rectifying the chart.
* Profections in Traditional Chart module now correctly applies the time zone for the Date mode.
* When accidentally double-clicking an icon on the Janus Main Screen tool bar, the requested module window now appears on top of the main screen window for the Three Wheels, Four Wheels, Alternate Coordinate Systems Wheel, Midpoints, Ephemeris Grid, Planetary Cycles, Quick Transit Report, Sky Map, Search, and Table of Houses.
* Accidently double-clicking the tool bar icons Animate Bi, Tri, and Quad wheels, Rectify

Single, Bi, Tri, and Quad wheels; no longer generates an error message.
* The Janus program is now a single instance application to avoid potential problems arising from working with multiple instances.
* In some special cases, when rectifying a chart using the Primary Directions module, Single, Bi, Tri, or Quad wheel, or the Astro Locality Map module, the error message "Illegal Date" could occur. This problem has been fixed.
* Transits to directions are now calculated correctly in the Calculate Transits Report and the Calculate Single Transits modules.
* When running animation with the data panel visible in the Single, Bi, Tri, and Quad wheel modules, you no longer get the error message "cannot access a disposed object" when you close the window.
* When Printing from the Transit List "Print Preview" window, you now get the correct number of pages.
* Progression and Direction positions have been fixed in the Ephemeris Grid and Ephemeris Text modules.
* Transiting midpoint sign ingress and house ingress no longer produce an error message when generating a transit interpretation report.
* Calculate transits module now remembers multiple aspect file selection for all other transits, progressions, and directions.
* Calculate entering, exact, leaving transits sometimes incorrectly reports a transit being in effect during the entire time frame has been fixed.
* Can now get 11th and 12th charts for Page Gallery.
* Calculation of progressions and directions have been harmonised across all modules.


# Changes from Janus 5.0 to 5.1

## New features

* Edit Aspect Lines module under Settings. Aspect Line color, style, and width is now selected from a central place, instead of each wheel module.

* Can now paste text from a rich text source and text from Excel into chart notes.

* Select the option of using natal chart settings or custom settings in each module for coordinate system, zodiac, house system, moon's true or mean node, sun rise/set type, part of fortune formula in the single, bi, tri, and quad wheel, uranian wheel, vedic chart, octoscope, alternate coordinate systems wheel, sky map, daily timing, calendar, graphs, ephemeris, calculate transits.

* Can now export transit lists to Excel.

* Custom Arabic Parts Editor module, and View Custom Arabic Parts module has been added.

* Star Table module under View.

* Aspects to Stars module under View.

* Optionally include planet positions table in print outs for Single, Bi, Tri, Quad, and Alternate Coordinate Systems wheels.

* Proportional Single Wheel design now supports displaying a hybrid house system.

* Can now customise the order of the planets in a Natal Chart Report.

* Can now customise which day to use as the start of each week in a Monthly Calendar.

* Can now select an image aspect ratio of 4:3 or 16:9 when copying or saving an Astro Locality Map image.

* Presets added to Main Screen under Settings.

* Double-click a date in the list transits window to display the event in a wheel.

* Distributions module under Predictive.

* Cast Age Harmonic Chart under Predictive.

* Aspects to Stars interpretation file template.


## Improvements

* Large chart files are now displayed faster in the Get Chart module.

* Better handling of Presets for Traditional, Horary, and Electional chart modules.

* The Astro Locality Relocation Report window no longer remains in front of the word processor window.

* Astro Locality Map. Can now display paran lines, destiny crossings, ACG and LS aspect lines and MP lines for screen, printing, copy, and save image for any region down to zoom level 1.

* The SAN's position has been added to the list of Traditional Chart results table.

* Increased size of screen wheels in Single, Bi, Tri, and Quad Wheel, Horary, Electional, Alternate Coordinate System, Octoscope, and Uranian wheel modules where space permits.

* 28 Lunar Mansions for Traditional, Horary, and Electional chart modules.

* The time frame 'date and period' is retained when getting another chart from within the Graphic Ephemeris, Declination Graph, and Uranian Graph modules.

* Revised Synastry Report layout.

* Revised Natal Report layout.

* All Dasas option added to the Dasa/Bhukti/Antar listing in the Vedic chart module.

* All interpretation files are now stored in unicode text format which supports the use of accented characters.

* Translation resource interpretation files have been constructed in such a way to make it easier to translate or replace each English text with text in another language.

# Fixes

* Part of Necessity (Paulus Alexandrinus) description corrected to read Asc + POF - Mercury by Day, and Asc + Mercury - POF by Night.
* Part of Basis formula corrected to Asc + the shortest distance of fortune - spirit, or spirit - fortune.
* Dynamic midpoint line thickness corrected in graphs.
* Displaying Arabic Parts and Stars in Traditional, Electional, and Horary modules for dates prior to 1500 AD error message has been fixed.
* Auto lookup the correct country time change file has been fixed when get another chart in the Calendar module.
* Sidereal House cusps have been fixed in the Octoscope for Campanus, Kock, Regiomontanus, Topocentric house systems.
* Profections calculations have been fixed in the Traditional Chart module.
* Solar Arc is now recalculated when get event chart in the Uranian Chart module.
* Progressed and Directed event charts are now calculated correctly when rectifying a chart in the Bi, Tri, and Quad wheel modules.
* The Part of Daemon now uses the same formula as the same as the Part of Spirit.
* Arabic Part selection for Bi Wheel has been fixed.
* Importing sidereal charts from Janus 4 now retains the correct sidereal zodiac.
* Converting Janus 4 to Janus 5 charts, and Janus 5 to Janus 4 charts now handles sidereal zodiacs correctly.
* The Astro Locality Map now uses the correct time zone consistently when displaying a relocated chart wheel.
* Selecting the Tri Wheel Data topic in Help has been fixed.
* Mc calculation has been fixed in the Table of Houses module.
* The Astro Locality Report now correctly reports the relocated Asc and Mc sidereal zodiac sign.
* The Geodetic Signature Mc value of the mouse position in the Astro Locality module has been fixed.
* The list transits window size in now saved.
* The auto atlas lookup function for World and USA has been fixed.
* Cast a Combined Chart calculations have been fixed.
* Edit aspect orbs problem fixed.
* Synastry aspects are now calculated correctly in the Bi, Tri, and Quad wheel modules.
* Print synastry 2 bi wheels. The house cusps on the 2nd wheel is now reported correctly.
* Problem of chart wheel displaying duplicate Sun glyphs for Ingress chart cast using whole sign houses has been fixed.
* Declination Graph file not found error has been fixed.
* Ephemeris Text and Ephemeris Grid module calculations have been fixed for time zones other than GMT.
* In the Primary Directions module, the converse regiomontanus zodiac directions error message has been fixed.
* Synastry Report terms and meanings section now correctly handles alternate A and M glyphs for the Asc and Mc.
* Turning a Horary and Electional proportional chart wheel has been fixed.
* The transit forecast Report now shows sign ingress glyphs in an uncollated list.
* Generate Transit Report. The error message 'Index outside bounds of array' has been fixed.
* Graphic Ephemeris. Calculate Progressions error message 'could not find file' has been fixed.
* Duodecima and Novenaria house cusp calculations have been fixed in the Horary and Electional Chart modules.

* Star positions have been fixed in the Diurnal and Parans module.
* Search module. Look for matching aspects calculation has been fixed.
* Copy Graphic Ephemeris to clipboard error message has been fixed.
* Main Screen. Display arabic parts in proportional wheel error message has been fixed.
* Star Calculations. The position of Polaris (the northern pole star) has been fixed.
* Cast a return chart using specified time zone calculation has been fixed.
* Diurnal Events module. The correct number of parans are now calculated.
* Natal Chart Report by House. Zodiac Sign of 1st and 10th house cusps now calculated correctly when using whole sign houses.
* Accented characters are changed into non-accented characters when converting Quick Chart files to Janus 5 chart files.
* The problem caused by double-clicking a Main Screen icon has been fixed.
* The Brazil 02 time change file data has been corrected.