

## **Release Notes for the JCapper Platinum Build 198 Main Module ONLY program download package published 12-26-2017:**

### **What's Inside:**

This download was compiled on 12-26-2017 and delivers several key program updates.

**The new Main Module .exe file in this download package delivers permanent new user logons for those of you who've recently joined the JCapper user community.**

### **What's New:**

**The JCapper Main Module** - Beginning with all versions of JCapper published 12-26-2017 and later:

**New WoPct Algorithm** – The JCapper Main Module in this program update contains the new WoPct algorithm that I posted about on the JCapper Message Board. The old algorithm was based on the (incorrect) assumption of 201 or more horses never working the same date-track-surface-dist. On the morning of 12-10-2017: 221 horses worked 4f over the dirt at FGX causing the old algorithm to fail. The new algorithm handles a much larger number of horses – and you can read about it in detail on the JCapper Message Board.

**Expanded Race Type Definitions for MLR Models** – The JCapper Main Module in this program update is programmed to read expanded race type definitions from IVLookup Table during horse scoring for Method=4 MLR Models. Now you can create MLR Models in UPR Tools that break races out separately by FieldSize, RaceVolatility, PaceIndex, PacePressure, and ESPRaceShape. (*JCapper Platinum ONLY.*)

**RGN Enabled for MLR Models** – The JCapper Main Module in this program update is programmed to enable you to use RGN (a random number between 1 and 100) in Method=4 MLR Models. (*JCapper Platinum ONLY.*)

Note that this feature dovetails with a new setting in the Enhanced Settings Module that enables RGN to be generated for each starter during a .JCP File Build Routine and written to field #252 in the .JCP File.

When this setting is toggled ON, the Main Module is programmed to read RGN from the .JCP File during a Calc Races or Build Database rather than generate it anew on the fly.

The implication here is that once RGN is generated during a .JCP File Build Routine and written to the .JCP File, it remains the same for each starter during each subsequent Calc Races and/or Build Database routine (unless you rebuild the .JCP file.) That means if one of your models flags a horse during live play on race day based on including RGN in a UserFactor or UPR: That same model should flag the same horse later on in the Data Window after running a Build Database routine.

Note that this wasn't the case in the past, and it isn't the case with the setting toggled OFF. With the setting toggled OFF: RGN (a random number) is generated on the fly anew each time the Calc Races and/or the Build Database buttons are clicked.

**New SQLDataBits Field** – The JCapper Main Module in this program update is programmed to populate a new data field called SQLDataBits when you click the Calc Races and/or Build Database buttons.

The new SQLDataBits field is designed to be used in SQL Mode and is a shorter abbreviated version of the Angles String found in Playlist File Mode.

The SQLDataBits field contains text characters that enable you to make evaluations in your sql expressions for a number of things such as Rider Change True or False, Trainer Change True or False, Wide Trip (including how many paths wide according to the chart caller) in each of the last three starts, Apprentice Weight Allowance (if any) including the number of pounds off today, Equipment used in past running lines (according to the chart caller) such as Blinkers or Front Wraps, State or Country where the horse was bred, positional calls info as read from the HDW Text Chart Results File, and an indicator for AngleB – *which, imo, turned out to be the lone angle to actually generate a modest degree of statistical relevance from among the many angles presented in that old many pages long at least a decade old angles thread at Paceadvantage.com.*

It's important to note that I didn't add the new SQLDataBits field to the StarterHistory table. Nor have I changed the table schema for the StarterHistory table in any material way.

What I did was make the following text name fields in the StarterHistory and StartersToday tables longer – increasing the max number of characters that can be stored in each of the following fields to 60 characters: Horsename, Rider, Trainer, Owner, Sire, Siressire, Dam, and Damssire.

I also added a new screen to the SQL Factor Setup Tool called the Factor Reassignment Screen.

**To use the new SQLDataBits field:** You have to go into the Factor Setup Tool, pick one of the name/text fields you aren't really using -- for example the Owner, Siressire, or Dam field, etc. -- reassign SQLDataBits to that field, and persist the change by clicking the SAVE button.

From there, after you rebuild databases from scratch: The field that you reassigned SQLDataBits to in your StarterHistory table will contain SQLDataBits data instead of data for the original field (such as Owner, Siressire, or Dam, etc.)

#### **SQLDataBits field mapping:**

Max characters: 60

DATA POINT	INDICATOR	EXPLANATION
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ANGLE B	AB-	Angle B pattern exists in past running lines
CHARTCALLER NOTES:		
BORE In/Out Last Start	BR-	Horse bore in or out last start
WIDE TRIP --		
Last Start (X)	5X-	5 Wide Last Start (X character denotes last start)
Second Start Back (Y)	3Y-	3 Wide Second Start Back (Y character denotes 2nd start back)
Second Start Back (Z)	4Z-	4 Wide Third Start Back (Z character denotes 3rd start back)
BARN/TRAINER CHANGE	T1-	Trainer name change for this race
RIDER CHANGE	R1-	Rider name change for this race
APPRENTICE WT ALLOWANCE		
TEN POUNDS	10LB-	10 pound apprentice weight allowance
SEVEN POUNDS	7LB-	7 pound apprentice weight allowance

FIVE POUNDS	5LB-	5 pound apprentice weight allowance
BLINKERS WORN	BL-	Horse wore blinkers this running line --Note: Generally available in .jcp data file. As noted by chartcaller during post parade/warmups
FRONT WRAPS WORN	F-	Horse wore blinkers this running line --Note: Not repeat not available in .jcp data file. Exists in chart file only as noted by chartcaller during post parade and pre-race warmups.
WHERE BRED	[KY]	Horse was bred in KY (wrapped in brackets)
SADDLECLOTH	{1A}	Horse was the 1A (wrapped in curly brackets)
Positional Calls Info		Positional calls info is 17 characters in length, with individual positional calls wrapped inside of pipe characters followed by a dash character. --Example:  08`06`05`04`02 - Starting with the pipe character, from left to right: The first pipe indicates start of positional calls info 1st and 2nd chars 08 indicate position at start call 8th 4th and 5th chars 06 indicate position at first call 6th 7th and 8th chars 05 indicate position at second call 5th 10th and 11th chars 04 indicate position at stretch call 4th 13th and 14th chars 02 indicate position at finish call 2nd The second pipe and dash indicate end of positional calls info
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Example: After assigning SQLDataBits to the SIRESSIRE field in your SQL Factor Setup and populating the StarerHistory Table by rebuilding databases, you could use something like the following line in a SQL UDM to flag starters with a rider change:

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AND INSTR(SIRESSIRE, 'R1-') > 0
```

### **After installing this download:**

You should find that the Main Module delivered by this download no longer displays an expiration date – and now recognizes you as a Registered Program Owner.

### **Who Should Install This Download:**

If you see an expiration date after you log into the JCapper Main Module – or if you want the latest published JCapper Main Module: *You should install this download ASAP.*

### **Install Instructions:**

1. Close down all open JCapper program windows, log into the JCapper message board and navigate to the Build 198 program downloads page.
2. Save the Main Module Only Special Download Package (published 12-26-2017) - filename: MainModuleOnlyBuild198\_12262017.exe to your hard drive. (Hint: c:\JCapperBuild is a good location to save it.)
3. Double click the download package file (filename: MainModuleOnlyBuild198\_12262017.exe) to run the extractor.

The extractor will copy the .exe file for the JCapper Main Module (and only the Main Module) to your c:\JCapper\Exe folder, overwriting the existing .exe file for the Main Module (filename: JCapper\_2005.exe) - and then on most machines, will launch the Main Module.

That's It!

There's nothing else to install – and no import routines to run.

Enjoy,

-jp

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