

The 08-12-2022 FULL JCapper Platinum Build 198 Program Download Package:

My primary reason for publishing a program update today is to deliver new user logons to those of you who have recently joined the JCapper user community.

This is also an interim program update that delivers some useful new features that represent completed work as I work towards delivering the many new features planned for JCapper over the next several months. (Last updated: 08-13-2022 at about 8:15 am pacific time.)

What's Inside - After installing this download you discover:

1. The Main Module delivered by this download recognizes you as a Registered Program Owner.
2. The Main Module and Prob Expressions Tool delivered by this download both support new Prob Expression commands for: {DIST_110}, {DIST_220}, {MAXDAYS}, {TKCOND}, {TKCOND_WETDRY}.

Quick Primer on the new Prob Expression Commands:

{DIST_110} – Use this command when you want your Prob Expression Query results to be races within today's race distance plus or minus 110 yards (or one half furlong.) More specific than {DIST_TYPE} or {DIST_220}.

{DIST_220} – Use this command when you want your Prob Expression Query results to be races within today's race distance plus or minus 220 yards (or one furlong.) A bit more specific than {DIST_TYPE} or {DIST} but a little less specific than {DIST_110} or {DIST}.

{MAXDAYS} – Use this command when you want the data returned in your Prob Expression Query results to be within a specified number of days relative to the date of today's race. (Example: AND MAXDAYS <= 60) Here, the data returned in your Prob Expression Query Results will be within 60 days of today's race date.

{TKCOND} – Use this command when you want the data in your Prob Expression Query Results to be an exact match for the Track Condition of today’s race.

{TKCOND_WETDRY} -- Use this command when you want the data in your Prob Expression Query Results to be similar (either wet or dry) compared to the Track Condition of today’s race. Dry track conditions are: FT-FM-HD. Wet track conditions are: GD-MY-SY-WF-SF-YL-FR.

Example: AND TKCOND={TKCOND_WETDRY} Here, if today’s track condition is FT or FM, the data returned in your Prob Expression Query Results will be for races where track condition was dry (FT-FM-HD)

Example Prob Expressions:

```
SELECT TOP 100 * FROM STARTERHISTORY
  WHERE RIDER = {RIDER}
  AND TRAINER = {TRAINER}
  AND TRACK = {TRACK}
  AND DIST = {DIST_110}
  AND INTSURFACE = {SURF_TYPE}
  AND [DATE] < {TODAY}
  ORDER BY [DATE] DESC
```

```
SELECT TOP 100 * FROM STARTERHISTORY
  WHERE TRACK = {TRACK}
  AND RANKF35 = {RANKTDXFINALCX10}
  AND DIST = {DIST_220}
  AND INTSURFACE = {INTSURFACE}
  AND TKCOND={TKCOND_WETDRY}
  AND [DATE] < {TODAY}
  AND {MAXDAYS} <= 60
  ORDER BY [DATE] DESC
```

3. The Enhanced Settings Module in this download now offers the following options for the .XRD File Build Mode Enhanced Setting:

0 -- This is the original setting (254 Columns per horse record.) Use this setting when you want to create .XRD files for building JCapper Databases.

1 -- This is an optional setting (127 Columns per horse record.) Switch to this setting when you want to create .XRD files for third party programs expecting .XRD files that have 127 columns per horse record.

2 -- New setting added Aug 12, 2022 (254 Columns per horse record and Non Betting Horses included in the data.) Use this setting when you want to create .XRD files for building JCapper Databases and you are using Prob Expressions to score RailPosition

Note that with setting 2: You can display non betting runners in the SQL Data Window with AND ODDS = 0 and hide non betting runners using AND ODDS > 0

Q. Why did I add setting 2?

A. On 07-17-2022 at Woodbine in R4, I had a UDM play on #5 WAR STRATEGY that was based, in part, on a Prob Expression that scores RailPosition. As fate would have it #5 WAR STRATEGY won the race at odds of 8-1.

After a 15 minute inquiry track announcer Robert Gellar announced the stewards had determined #3 MT LOGAN who finished third at odds of 2-1 gained an unfair advantage by breaking through the gate a fraction of a second early. Shortly after that the track video crew showed a head on shot of the start. They froze the video showing a clear shot of #3 MT LOGAN's nose sticking an inch or two out of the now separated stall doors while the stall doors of all the other runners remained closed.

But it didn't end there. After a second delay of about 5 minutes Robert Gellar further announced that per Ontario racing rules, #3 MT LOGAN at odds of 2-1 had now been declared a non-starter. Shortly afterwards the race was declared official and the \$2.00 win mutuel on #5 WAR STRATEGY was now \$13.20 instead of the \$18.00 and change I had been expecting.

But it didn't end there. The next day after downloading chart files from HDW and running a DBBuild routine in Mode 5, I brought up the Data Window, executed the SQL UDM that had landed me on #5 WAR STRATEGY the day before, and was surprised to see that the UDM play that had so clearly been displayed on my HTML and SQL UDM Plays reports the previous day was nowhere to be seen in the Data Window.

I reloaded the previous day's WOX file, brought up Scratch BOT, selected Parse XML File from Local Machine, selected the previous day's archived Scratches and Changes XML File, ran scratches and changes for the previous day, ran a Calc Races for WOX R4, looked at my HTML Report – and verified that #5 WAR STRATEGY was in fact a UDM play.

Next I brought up the JCX File Exports Module, keyed in the first sql expression shown below, and exported StartersToday table data for 07-17-2022 WOX R4 out to a .csv file on my hard drive. From there I double-clicked the .csv file to open it in Excel – and looked at the data.

```
SELECT * FROM STARTERSTODAY
  WHERE TRACK='WOX'
  AND RACE=4
  AND [DATE]=#07-17-2022#
  ORDER BY [DATE], TRACK, RACE, RAILPOSITION
```

From there I keyed in the sql expression below into the JCX File Export Module, and exported StarterHistory table data for 07-17-2022 WOX R4 out to a new .csv file on my hard drive. I double-clicked the new .csv file to open it in Excel – and looked at the data.

```
SELECT * FROM STARTERHISTORY
  WHERE TRACK='WOX'
  AND RACE=4
  AND [DATE]=#07-17-2022#
  ORDER BY [DATE], TRACK, RACE, RAILPOSITION
```

A comparison between the StartersToday data and the StarterHistory data for 07-17-2022 WOX R4 revealed the following:

#3 MT LOGAN was in the StartersToday data with railposition=3.
#5 WAR STRATEGY was in the StartersToday data with railposition=4.

#3 MT LOGAN was not in the StarterHistory data at all having been declared a non-starter by the stewards.

Further, all horses drawn outside of MT LOGAN in this race were in the StarterHistory data with railposition of 1 less than than their original railposition in the StartersToday data.

Looking specifically at #5 WAR STRATEGY: railposition in the StarterHistory had been changed to 3.

The query results read from past Woodbine Turf data and scored by the Prob Expression I was using were lower for post #3 than for the original post #4.

I gave this some thought and came up with the following realization:

During the race #3 MT LOGAN broke from post #3, and #5 WAR STRATEGY broke from post #4.

None of the riders knew (or acted like they knew) #3 MT LOGAN would subsequently be declared a non-starter. #3 MT LOGAN was part of the pace scenario, and the rider of #5 WAR STRATEGY had to overcome that.

My bet was based, at least in part, on the scored query results generated by my Prob Expression, and based on past Woodbine Turf data post #4 scored out stronger than post #3.

Although it's a rare event: I wasn't aware Ontario racing rules require the stewards to declare a horse that breaks through the gate early a non-starter.

As a result, I decided to recode JCapper's handling of railposition in the data for horses that go into a starting gate, compete in a race, and are subsequently declared non-starters by the stewards.

I decided the best way to handle this would be to create a new Enhanced Setting giving JCapper users the option whether or not to include horses subsequently declared non-starters by the stewards in the data.

This seemed better than forcing a change in JCapper that might not be to everybody's liking.

Thus the new settings option.

Some final notes:

After creating the new setting I unit tested it. For WOX0717R4 and other races with horses subsequently declared non-starters by the stewards:

1. Railposition and Prob Expression scoring of railposition in the StartersToday table after a Calc Races is identical to Railposition and Prob Expression scoring of railposition in the StarterHistory table after a SQL DB Build routine.

2. How to Effect an XRD File Build Mode settings change to 2:

- a. Bring up the Enhanced Settings Module and persist the XRD File Build Mode setting as 2.
- b. Working one folder at a time, bring up the DFM, persist a desired folder as Active. Then bring up the HDW File Mgr and run an XRD File Build for all HDW F.ZIP files on that folder. Repeat until you have run XRD File Builds on all folders where you want the settings change to be in effect.
- c. Working one folder at a time, bring up the DFM, persist a desired folder as Active. Then run a DB Build Routine on that folder. Repeat until you have run DB Build Routines on all folders where you want the settings change to be in effect.
- d. Note that your DB Build Routine on the first folder should be in Mode 3, and each subsequent DB Build Routine should be in Mode 4. When you are done, you will have a StarterHistory Table populated to reflect the settings change.
- e. Afterwards, as you add new .JCP and .XRD files to your current active data folder, you can run DB Build Routines on that folder in Mode 5.

3. From that point forward in the SQL Data Window:

- a. When querying SQL Databases, you can display non-starters in the data by using `AND ODDS = 0` in your sql expression.
- b. You can also exclude non-starters from your query results by using `AND ODDS > 0` in your sql expression.

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 program version: *You should install this download ASAP.*

If you want to run the latest published version of JCapper Build 198: *You should install this download ASAP.*

Install Instructions:

Close down all open JCapper program windows, log into the JCapper message board, navigate to the Build 198 program downloads page, and follow the instructions there to the best of your ability.

Enjoy,

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