

## **Daktronics Scoring-Timing Interface Software – Revision History:**

### **Version 2.21.26.0**

**Release Date: March 3, 2020**

Description

1. SCBA: Added pitcher stats to Bull Pen feed

### **Version 2.21.25.0**

**Release Date: Nov. 22, 2019**

Description

1. SCBB: Support experimental free throw rule changes for NBA G-League

### **Version 2.21.23.0**

**Release Date: April 25, 2019**

Description

1. BUG: SCBA: DSTI at times would incorrectly display the ERA as 0.00.

### **Version 2.21.22.0**

**Release Date: April 2, 2019**

Description

1. BUG: SCBA: If the home pitcher's ERA is 0 then the guest pitcher's ERA becomes 0 as well.

### **Version 2.21.21.0**

**Release Date: October 2, 2018**

Description

1. BUG: NHL: If the goalie is pulled the goalie only info was being set to the first goalie it found for that team which may be the backup. It now sets the fields to blank.

### **Version 2.21.20.0**

**Release Date: May 22, 2018**

Description

1. BUG: If the DSTI Computer Name was the max length (15), the call to get the computer name for the DSTI Widget would return empty because the wrong buffer length was being passed to the function. This would put the Widget into an infinite loop that would cause a stack overflow in Display Studio.

### **Version 2.21.19.0**

**Release Date: March 6, 2018**

Description

1. DSBA: Changed the Scoring Decision feature to be its own field in the Scoreboard stream. Added a configuration dialog that allows different stats to be shown in the field before/during the at bat. Added the ability to highlight all scoring decisions for the half inning in the Scoreboard stream lineup section.

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2. BUG: SCBA: ERA was not being calculated correctly. Innings pitched were not being normalized. 5.1 should be 5.333 in the calculation.
  3. DSBA: Added Year, Height, Weight, Hometown, and Misc fields to the Bullpen and Request streams.
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## **Version 2.21.18.0**

**Release Date: January 22, 2018**

### Description

1. Wrestling: Added the TV Feed.
  2. NHL: Changed the SOG value for teams stats to pull from team totals packet of HITS rather than summing up the period values. Turns out they don't always update the period values if a change is made after the period has ended.
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## **Version 2.21.17.0**

**Release Date: August 28, 2017**

### Description

1. NFL: Added Solo and Assist Tackles for Defense Leaders
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## **Version 2.21.16.0**

**Release Date: August 21, 2017**

### Description

1. NFL: Added up to top 5 leaders for rushers and sacks. Up to top 10 for receivers and tacklers.
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## **Version 2.21.15.0**

**Release Date: June 30, 2017**

### Description

1. DSBA: Changed K% and BB% to percentages with single decimal point
  2. BUG FIX: DSBA: The TV Feed from DakStats was adding 3 extra characters.
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## **Version 2.21.14.0**

**Release Date: June 13, 2017**

### Description

1. DSBA: Added K% and BB% for both current batter and pitcher. Added HR/9 and K%-BB% for the current pitcher.
  2. BUG FIX: NHL: The summary database call was using the wrong path when it is nested for NHL.
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## **Version 2.21.13.0**

**Release Date: April 25, 2017**

### Description

1. BUG FIX: DSBA: If a pinch hitter gets a run it wasn't being added to the summary database causing the team runs to be off.
  2. Added an error log for the summary databases to look for locking issues with the files.
  3. DSBA: The at bat jersey and hit/error fields for the All Sport were expanded to lengths of 3.
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## **Version 2.21.12.0**

**Release Date: March 27, 2017**

### Description

1. DSBB: Columns were missing in the Summary Database.
2. DSBA: Added First Name, Full Name, and Stance for Due Up Players.

## **Version 2.21.11.0**

**Release Date: February 14, 2017**

### Description

1. IDS: Added Jersey, Full Name and Bitmap Name for the ingame leaders.
2. BUG FIX: IDS: Ingame bench extra data wasn't populated correctly if there weren't 5 bench players with stats
3. DSBA: Added flag for toggling the average field in the lineup with scoring decision.

## **Version 2.21.10.0**

**Release Date: March 15, 2016**

### Description

1. Bug Fix: DSSO: The cards section in the scoreboard stream was outputting incorrectly. The last card should always be in spot 1 and move the previous ones down until they fall off the list.

## **Version 2.21.9.0**

**Release Date: February 25, 2016**

### Description

1. DSBA: Added a configuration that will change the guest lineup bitmap indicator to a B instead of an A so that a user can use different bitmaps for the teams.

## **Version 2.21.8.0**

**Release Date: September 30, 2015**

### Description

1. NFL: Bug Fix: The sack leaders for the game were not populating in the scoreboard output.

## **Version 2.21.7.0**

**Release Date: August 13, 2015**

### Description

1. DSBA: Added player names for previous at bats in an inning to the Scorebook output
2. BB: Added a new TV Feed output that includes the Timeout clock.

## **Version 2.21.6.0**

**Release Date: April 17, 2015**

### Description

1. NBA: Bug Fix: The first names in the attributes output were not being limited to 12 characters. If a name was 13 characters it would move the last character into the next field and throw the data off by

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## **Version 2.21.5.0**

**Release Date: April 14, 2015**

### Description

1. Bug Fix: The checksum on the TV Feed wasn't calculated when outputting it in uppercase.
  2. DSBA: Added team strikeouts and umpires to the scoreboard output.
  3. The DSTI communication with DakStats over a network socket can now be configurable.
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## **Version 2.21.4.0**

**Release Date: August 1, 2014**

### Description

1. NFL: Sends the last play for the NFL to a widget in Display Studio.
  2. The font and effect bytes for attributes in ERTD were not being sent to spec.
  3. Football: The tackle leaders were not being sorted correctly. Added the remaining stats for a tackler.
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## **Version 2.21.3.0**

**Release Date: March 14, 2014**

### Description

1. DSBA: The batter color can now be configured differently for the home and guest teams.
  2. DSBA: Added the pitch count for the current at bat to the scoreboard stream.
  3. DSBA: Added plate appearances for each player in the lineup and due up sections of the scoreboard stream.
  4. DSBA: Added stance for each player in the lineup of the scoreboard stream.
  5. DSBA: Added Korean BOB (Hits + Walks) stat for each team.
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## **Version 2.21.2.0**

**Release Date: February 13, 2014**

### Description

1. NFL: The current drive plays, yards, and first downs were added to the end of the scoreboard stream.
  2. Hockey/Lacrosse: Added an extended TV Feed that includes a 3<sup>rd</sup> penalty time for each team and the shot clock.
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## **Version 2.21.1.0**

**Release Date: August 13, 2013**

### Description

1. Added the total combined yards field to the individual request outputs for game and season.
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## **Version 2.21.0.0**

**Release Date: May 14, 2013**

### Description

1. Added the ability for the stats interface name to be configurable by Daktronics personnel so that requests for the same sport interface can be used on different courts/venues. For example a
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volleyball tournament may use 3 courts at the same time. This change allows requests to be honored for each court separately.

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## **Version 2.20.2.0**

**Release Date: February 26, 2013**

### Description

1. DSBA: Bug Fix: The scoreboard stream was skewed when a pitcher was removed from the game for a pinch hitter.
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## **Version 2.20.1.0**

**Release Date: February 4, 2013**

### Description

1. DSBA: Added Save Opportunities, Opponents Batting Avg, First Pitch Strikes, First Pitch Total, and First Pitch Strike % to the Scoreboard, Bullpen, and Request streams for both home and guest pitchers.
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## **Version 2.20.0.0**

**Release Date: December 14, 2012**

### Description

1. DSBA: Added an option to the Edit menu so that bitmap prefixes can be removed from the streams.
  2. VB: Fixed the Plr-Kill-Ace section of the View Data screen.
  3. SCFB: The size of the packet being received is now verified before parsing the data.
  4. BB: Added a new TV Feed format that adds timeout, possession, and bonus indicators for each team.
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## **Version 2.19.3.0**

**Release Date: August 2, 2012**

### Description

1. DSBA: Added a bitmap name for each player in the lineup to the scoreboard stream.
  2. DSBA: Added a BSO bitmap to the scoreboard stream.
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## **Version 2.19.2.0**

**Release Date: April 19, 2012**

### Description

1. DSBA: Bug Fix: The empty string for a missing team pitcher wasn't being set to the correct length causing data at the end of the stream to be misaligned.
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## **Version 2.19.1.0**

**Release Date: April 4, 2012**

### Description

1. DSBA: Added OPS for the lineups to the scoreboard stream. Done for a Reds XML feed.
  2. DSBA: Added a field to the game summary stream so that Home Run is 2 words.
  3. DSBA: Bug Fix: The available pitchers for the guest team in the bullpen stream would disappear when players were added to the bullpen slots.
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## **Version 2.19.0.0**

**Release Date: March 12, 2012**

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### Description

1. DSBA: Added available pitchers to the bullpen stream.
  2. DSBA: Added OBP and Slugging to the scoreboard stream for Due Up players. Added Strike %, save opportunities and Opp BAVG for pitchers. Added team names for the current batter/pitcher.
  3. DSBA: Added 4 Miscellaneous fields to the request stream for a player. Added save opportunities for a pitcher.
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## **Version 2.18.1.0**

**Release Date: October 18, 2011**

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### Description

1. SOC: Added the checksum to the TV Feed for soccer.
  2. Bug Fix: VB/SOC: The TV Feeds would not run because there wasn't a format associated with them.
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## **Version 2.18.0.0**

**Release Date: October 7, 2011**

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### Description

1. SCVB: Added a Libero section for each team to the scoreboard stream.
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## **Version 2.17.0.0**

**Release Date: September 13, 2011**

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### Description

1. A configuration setting was added to the DLComm port that allows the stream on a port to be broken up into 485 byte packets. The setting is not available to the user but any modifications made to the configuration (DSI) file will require this version of DSTI to work properly.
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## **Version 2.16.2.0**

**Release Date: August 31, 2011**

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### Description

1. The summary databases are now double buffered. DSTI will write to the one in C:/DSTI\_SummaryDB/Templates and copy it to the C:/DSTI\_SummaryDB directory.
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## **Version 2.16.1.0**

**Release Date: July 29, 2011**

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### Description

1. Bug Fix: DSTI was not designed properly for 2 rebroadcast streams on the same data. This is a necessity since the AS5K-Football stream contains data after the team yards (which DSTI populates) that needs to be broadcasted to the graphics generator.
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## **Version 2.16.0.0**

**Release Date: July 11, 2011**

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### Description

1. DSBA: Added standings information for the 2 teams in the game to the game summary request. (Reds Feature Request)
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## **Version 2.15.2.0**

**Release Date: May 2, 2011**

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### Description

1. DSBA: Added throwing hp and abbreviated fields to the bullpen stream for each player.
  2. DSBA: Bug Fix: When DSTI is started with DakStats already running it is possible for the list of MLB competitions to not be filled in so the stats reflect all games in the season. Now when DSBA is selected and messaging is same machine the competition list is retrieved from the ini file before the game is opened.
  3. DSBA: Bug Fix: For MLB Season batting/pitching/fielding stats if the player wasn't on the home team they were automatically set to the guest team. This created a problem when an old game was open that had a different guest team than the super game. The players for both guest teams showed up in the Guest.lci file.
  4. DSBA: Removed the 5<sup>th</sup> line for the batter's last at bat text in the summary database. We can only show 4 lines.
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## **Version 2.15.1.0**

**Release Date: March 14, 2011**

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### Description

1. IDS: When the guest team change is detected it clears the data and sends a request all to IDS.
  2. NFL: Added Plays to the Summary database output.
  3. Bug Fix: SCBB: A school was entering First Last as the player names for the last name instead of Last, First. This caused the spaces at the end of the name to remain so when Display Studio sent a request with the truncated name DSTI couldn't find the player.
  4. Bug Fix: IDS: Apostrophes were not being handled in names for the summary database.
  5. Bug Fix: SCHK: The competition was not being located in the database when DSTI was first used for the Stat Crew Hockey interface.
  6. DSBA: Changed the full name for the bullpen from Last, First to First Last.
  7. IDS: Added turnovers for players to the scoreboard streams.
  8. Bug Fix: SCBA: The pitcher for a team would not show up in the lineup if they batted as well.
  9. Bug Fix: SCBA: Couldn't have multiple pinch hitters/runners in the lineup. One would be set as an Extra Fielder.
  10. Bug Fix: DSHK: The total SOG were not being sent to the All Sport.
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## **Version 2.14.0.0**

**Release Date: October 15, 2010**

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### Description

1. Upgraded the install to InstallShield 2010
  2. NFL: Added a Current Drive Plays table to the summary database.
  3. IDS: Added a scoreboard output for attributes so that flashing the plr-f-pts information can be done on a matrix board.
  4. Bug Fix: The manuals couldn't be opened on Windows 7 machines.
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5. Bug Fix: NFL: Defensive Sacks were not being set in the summary database correctly for the players.
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## **Version 2.13.3.0**

**Release Date: October 6, 2010**

### Description

1. IDS: Added the Summary Database output for the NBA.
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## **Version 2.13.2.0**

**Release Date: September 21, 2010**

### Description

1. Bug Fix: The team tables were not populating because the expected records did not exist after the database was cleared.
  2. Bug Fix: NFL: The Total TD field in the summary database didn't include the return TDs.
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## **Version 2.13.1.0**

**Release Date: September 10, 2010**

### Description

1. Removed the reference to the Venus 1500 Server.
  2. NFL: The player tables in the summary database were not being cleared when the NFL Interface data was cleared.
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## **Version 2.13.0.0**

**Release Date: August 2, 2010**

### Description

1. Basketball: Added a TV Feed that includes tenth of a second for the shot clock.
  2. NFL: Made the Summary Database Chyron friendly.
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## **Version 2.12.5.0**

**Release Date: May 28, 2010**

### Description

1. Bug Fix: Display Studio requests the interface and roster files over the control port. When the request was received by DSTI the roster files were not being written before being sent so only existing files were being sent. Now these files are written before being sent over the control port.
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## **Version 2.12.4.0**

**Release Date: March 15, 2010**

### Description

1. NFL: Enabled the All Star mode for the Pro Bowl.
  2. Duplicate requests are now honored.
  3. DSBA: Added the game summary field to the master summary database for each batter and the current batter.
  4. Bug Fix: SCBA: When reading the player names from the Stat Crew file the spaces were being saved instead of truncated. This caused an invalid check when a request contained the player's
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name but the spaces were not added to the request.

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## **Version 2.12.3.0**

**Release Date: January 26, 2010**

### Description

1. Bug Fix: A pointer was being deleted when trying to post the "Started" message to the log file.
  2. Added a possible values section to the interface ini files for Display Studio requests.
  3. Bug Fix: DSTI was receiving repeating 'F7' key presses which forced a dialog to be displayed. Closing the dialog would only reshown itself. The 'F7' key wasn't setup to only be used with PBR interface.
  4. Implemented the DSTI Widget communications for Display Studio.
  5. Bug Fix: The second request to an appended request command in the 7000 wasn't being honored. This also fixes the updating of an appended request. Both requests now update automatically.
  6. NHL: The Time-On-Ice leaders were not being updated from the database.
  7. NHL: Bug Fix: The shootout request was being removed when the request was made before the players were set for the shootout. The request wouldn't update and the request couldn't be made again because DSTI thought it was a duplicate request.
  8. NHL: Bug Fix: The ingame tables for the summary database were only being populated with the stats for the active period.
  9. PBR: Bug Fix: The interface was being put into an infinite loop because a flag wasn't being set. This would use up all of the processor.
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## **Version 2.12.2.0**

**Release Date: October 29, 2009**

### Description

1. Doesn't packetize the ERTD when sent on a serial port. Done for sending data to the All Sport.
  2. Added in-game player names to the scoreboard feeds that send the data to the All Sport for basketball and volleyball.
  3. SCBB: Bug Fix: The game xml file wouldn't be read into DSTI.
  4. Clears any data for the scoreboard, request and tv feeds when the interface is switched or reselected.
  5. Sends the interface.ini and .lci files out the control port when opened, the interface is selected, and when a new competition is opened.
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## **Version 2.12.1.0**

**Release Date: October 20, 2009**

### Description

1. Bug Fix: The request parameters were being saved by interface instead of by port so if a request on one port is the same as the previous request of another port the request for that request wouldn't be processed and the port wouldn't receive data.
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## **Version 2.12.0.0**

**Release Date: October 8, 2009**

### Description

1. DSHKY: Added as an interface
  2. NHL: Added the summary database.
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## **Version 2.11.8.0**

**Release Date: September 9, 2009**

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### Description

1. Roster files are now returned to the controllers as Home and Guest for the two teams playing.
  2. DSFB: Added the CurrentDrive table to the summary database. Added the noId field to the TmStatsGm table of the summary database for a better query field.
  3. Added identification fields to the GUI for the configuration file to track which file is being used.
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## **Version 2.11.7.0**

**Release Date: August 20, 2009**

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### Description

1. Bug Fix: Stat Crew Volleyball and Hockey. Was trying to access the database at C:/Daktronics.
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## **Version 2.11.6.0**

**Release Date: August 19, 2009**

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### Description

1. Bug Fix: DSTI was taking up 99% of the processor on some machines.
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## **Version 2.11.5.0**

**Release Date: August 6, 2009**

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### Description

1. Enhanced the ERTD Color Picker dialog to 64 colors instead of the basic 8.
  2. Bug Fix: The triggering sequences weren't being sent everytime the data was updated.
  3. DSBA: Bug Fix: If a SportVision packet was received in multiple sections DSTI could crash.
  4. Trigger actions are now logged.
  5. DSBA: Added the adjusted value for the vertical break from SportVision. (Pittsburgh)
  6. DSBA: SportVision data is being logged.
  7. DSBA: Added color rtd fields to the SportVision output.
  8. Bug Fix: The color RTD wasn't handling the black color.
  9. The default path for the DakStats Databases was changed to not include the (R) 3000 text.
  10. DSFB: The prospport data at the top of the scoreboard stream wasn't correct when a second DakStats game was opened.
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## **Version 2.11.4.0**

**Release Date: April 30, 2009**

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### Description

1. DSBA: Finalized the SportVision interface. Included triggering for the data.
  2. DSBA: When a game is set to final the inning text for the TV feed will say final.
  3. DSBA: Bug Fix: DSTI would crash when the number of parameters for a request was lower than expected.
  4. DSBA: Bug Fix: The Games Played for the batters was always set to 0.
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## **Version 2.11.3.0**

**Release Date: April 8, 2009**

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Description

1. DSBA: Bug Fix: Team stats were being given to a player instead of the team player.
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## **Version 2.11.2.0**

**Release Date: April 6, 2009**

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Description

1. DSBA: Bug Fix: If there are duplicate entries for a player in a team's roster and one of those players is put in the game, it is possible for the scorebook output to crash DSTI.
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## **Version 2.11.1.0**

**Release Date: April 2, 2009**

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Description

1. DSBA: Added the use of the Extra Rtd for sending data back to the All Sport.
  2. SCBA: Bug Fix: Stat Crew Baseball was processing all of the available data formats for baseball instead of just the ProSport format.
  3. DSBA: Modified the Elias data requests so the CB/CP features can be used in the request
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## **Version 2.11.0.0**

**Release Date: March 16, 2009**

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Description

1. DakStats: The configurations for DakStats products are referenced from a .ini file instead of the registry.
  2. NHL: The leading zeros on calculated stats weren't being dropped.
  3. Basketball: The percentages for the ingame players weren't being filled in when less than 5 players were in the game.
  4. Bug Fix: Fixed a memory leak with the scoreboard view.
  5. Baseball: Added the TV feed for use from DakStats or the All Sport.
  6. Football: Added the play clock, timeouts, and checksum to the ProSport TV Feed.
  7. DSBA: Added the output fields for the 2009 season. This includes an inning bitmap field, summary text for the current batter and the due ups, (full name, hr, and rbis for the lineups), and extra pitching stats for both pitchers.
  8. DSBA: Added a bullpen scoreboard stream that will show the selected bullpen pitchers from DakStats.
  9. Switched to DLComm version 2.7
  10. Added Automation.
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## **Version 2.10.11.0**

**Release Date: August 29, 2008**

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Description

1. Baseball: Bug Fix: Arithmetic error. 17/80 is .2125 but the program would say .2124999999999999.
  2. DSBA: Bug Fix: Runs for the game were being assigned incorrectly when a pitcher inherited runners that scored. The runs would show for the current pitcher instead of the previous one.
  3. Basketball: Added two TV feeds for the Translux interface. The first gets all of its data from the All Sport and the second gets plr f pts from the stats program for the feed.
  4. Football: Added two TV feeds for the Translux interface. The first gets all of its data from the All Sport and the second gets yards and first downs from the stats program for the feed.
  5. Football: Added the ProSport TV feed option.
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## **Version 2.10.10.0**

**Release Date: July 11 , 2008**

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### Description

1. DSBA: Bug Fix: Outfield assist leaders were not being pulled from the correct location.
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## **Version 2.10.9.0**

**Release Date: May 8 , 2008**

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### Description

1. DSBA: Bug Fix: The 4 character batting average for the old scoreboard stream (dsba sbrd.itf) was formatted as 0.50 instead of .500.
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## **Version 2.10.8.0**

**Release Date: April 24 , 2008**

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### Description

1. NHL: Added on-ice players as the first 6 players on each team. Added a goalie section for the goalie information. This was made because of a change in NHL HITS and requires the updated ITF.
  2. DSBA: Added the ability to configure the order of the inning last at bats. This was done so the last play for an inning could always be in the same spot for the ITF.
  3. DSBA: Bug Fix: The inning numbers for the linescore were not being populated for a new game until one of the lineups were entered.
  4. DSBA: A second hit/error section was added to the All Sport Baseball ITF that shows 'E#', 'H ', or ' '. DSTI is now populating this data from DakStats.
  5. DSBA: Bug Fix: The old scoreboard stream was being shifted by a character when the pitcher's ERA went over 100. This only happens when the runs are automatically be attributed as earned or unearned during the inning instead of after the half inning.
  6. DSBA: Added the scorebook output format as a scoreboard type.
  7. DSBA: Bug Fix: When a leaders request was made if there weren't enough players to fill the list the list would be filled with players that didn't qualify for that stat.
  8. NHL: Bug Fix: The shot on goal being sent to the All Sport were not correct.
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## **Version 2.10.7.0**

**Release Date: March 14, 2008**

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### Description

1. DSBA: Added the throws abbreviation to the scoreboard output for the current pitcher.
  2. DSBA, NHL: Bug Fixes that were introduced in the previous version.
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## **Version 2.10.6.0**

**Release Date: March 10, 2008**

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### Description

1. PBR: Modified the current outputs to use the views as a data source. Added Standings and Bull Team outputs.
  2. DSBA: Added first names to the player message and individual requests.
  3. DSBA: Added plate appearances to the scoreboard output for the current batter. Added throws abbreviation for each pitcher to the scoreboard output.
  4. NHL: Bug Fix: SOG weren't being updated correctly. The penalties weren't being ordered correctly.
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5. DSBA: Added first names, bitmap rtd fields, and homerun game(season) fields to the game summary request.
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## **Version 2.10.5.0**

**Release Date: January 30, 2008**

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### Description

1. NHL: The goalie wasn't being excluded from the Ice Time leaders for location 4 & 5.
  2. DSBA: The basic standings and leaders use the new xml files.
  3. DSBA: Extended the batter text for the batter and for the inning.
  4. DSBA: Added pitcher appearances to the scoreboard stream.
  5. DSBA: Added full name and bitmap rtd to the game summary output.
  6. DSBA: Added last names to the end of the leaders output for each leader.
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## **Version 2.10.4.0**

**Release Date: December 6, 2007**

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### Description

1. NHL: The goalie wasn't being excluded from the Ice Time leaders.
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## **Version 2.10.3.0**

**Release Date: November 30, 2007**

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### Description

1. Hockey: Removed the period scores from the feed from DSTI to the All Sport since they were not being populated.
  2. NHL: The NHL Interface can open DSTI in NHL mode.
  3. NHL: Bug Fix: An exception wasn't being handled when there weren't any players available for spots 6 through 10.
  4. Stat Crew Basketball: Added season stats through the XML files.
  5. NBA: Added the points 9 to 15 feet and over 15 feet to the outputs. New ITFs are available.
  6. NHL: Removed Season Goals and Assists for the teams because they can't be accurately calculated. The new ITF is available
  7. Stat Crew Basketball: Bug Fix: The scoreboard stream would stop sending randomly.
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## **Version 2.10.2.0**

**Release Date: October 16, 2007**

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### Description

1. Stat Crew Basketball XML: Request types for the teams were not being handled properly.
  2. NHL: Stat times were not being outputted in the correct format.
  3. Stat Crew Basketball XML: Added feedback for parsing the season files.
  4. Stat Crew Basketball XML: Added the quick start guide.
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## **Version 2.10.1.0**

**Release Date: September 10, 2007**

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### Description

1. NHL: The database location wasn't updated to the version 2 location.
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## **Version 2.10.0.0**

**Release Date: September 7, 2007**

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### Description

1. Stat Crew Basketball: Added an interface to xml files from Stat Crew
  2. NHL: Used by version 2 of the NHL Interface
  3. Bug Fix: When an All Sport is being used the port will not compare the data being sent but will always send what is received.
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## **Version 2.9.18.2**

**Release Date: July 31, 2007**

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### Description

1. NFL: Added network clock feeds.
  2. NFL: Added timeouts and a checksum to the TV feed.
  3. Stat Crew Football: Bug Fix: Fixed a bug when trying to connect to the database.
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## **Version 2.9.18.0**

**Release Date: July 9, 2007**

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### Description

1. Multiple requests for the same data are only handled once.
  2. Bug Fix: Some requests were causing the program to crash.
  3. DakStats Baseball: Improved the speed of the balls, strikes, and outs.
  4. DakStats Baseball: Bug Fix: DSTI was causing DakStats to be slow.
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## **Version 2.9.17**

**Release Date: April 13, 2007**

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### Description

1. DakStats Baseball: Update to improve the speed of the balls, strikes, outs update.
  2. DakStats Baseball: Added ERA, IP, K, Saves, AB, Runs, and SB to the GIP table for the Third Party Scoreboard Interface.
  3. DakStats Baseball: Bug Fix: Modified the format of the duration for the Game Summary request.
  4. DakStats Baseball: Bug Fix: The last at bat text was not being formatted according to the configuration.
- 

## **Version 2.9.16**

**Release Date: March 30, 2007**

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### Description

1. DakStats Baseball: Added pitcher data to the scoreboard stream for both pitchers.
  2. DakStats Baseball: Added bitmap names for both pitchers and the 4 due up players for both teams.
- 

## **Version 2.9.15**

**Release Date: March 27, 2007**

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### Description

1. DakStats Baseball: Bug Fix: In Windows 2000 the duration for game summary was sending seconds instead of just hours and minutes.
-

## **Version 2.9.14**

**Release Date: March 26, 2007**

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### Description

1. DakStats Baseball: Bug Fix: The current batter would not update to the guest team.
  2. DakStats Baseball: Bug Fix: Line scores were not being shown properly when the first run was scored or at the half inning for the guest team.
  3. DakStats Baseball: Bug Fix: HR Distances wasn't always obtaining the correct value.
- 

## **Version 2.9.13**

**Release Date: March 15, 2007**

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### Description

1. DakStats Baseball: Bug Fix: The lineup indicators were being used as bitmap indicators.
  2. DakStats Baseball: Bug Fix: The current batter and pitcher were not being set.
- 

## **Version 2.9.12**

**Release Date: March 9, 2007**

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### Description

1. DakStats Baseball: Filled in the scoring decision in the scoreboard stream.
- 

## **Version 2.9.11**

**Release Date: March 2, 2007**

---

### Description

1. PBR: Bug Fix: When running back to back events the bull was being pulled from the second event during the first event.
  2. DakStats Baseball: Added game rbi and runs to the lineups
  3. DakStats Baseball: Added the attendance, save, duration, and homerun text to the game summary stream so when these items are not filled in the sequence doesn't have to show the static text.
  4. DakStats Baseball: Summary Databases have been changed so leading zeros are not shown for calculated stats.
  5. NFL: Added an extended TV Feed that includes the play clock.
  6. DakStats Baseball: Bug fix: The order of the batting text wasn't being set based on the DakStats configuration.
  7. DakStats Baseball: Added a new scoreboard stream for the 2007 season. The old stream will be supported but will no longer contain changes.
  8. DakStats Baseball: Added a request for the position lineups. This info is no longer in the scoreboard stream.
  9. GameDay Baseball: Added the stat name, league name, and league abbreviation to the leaders output.
- 

## **Version 2.9.10**

**Release Date: January 25, 2007**

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### Description

1. NHL: Update RTD Outputs needs to be used between games to ensure the proper stats are being retrieved.
  2. Basketball: Bug Fix: The player foul points were continually being sent to the All Sport instead of when something changed or on the 10 second timer.
-

- 
3. Bug Fix: Data was being sent to the wrong offset for the All Sport to Network port.
- 

## **Version 2.9.9**

**Release Date: November 22, 2006**

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### Description

1. Basketball: The TV Feed can now be created from the ProSport feed.
  2. Modified the base class to allow the configuration of the TV Feed format.
- 

## **Version 2.9.8**

**Release Date: October 26, 2006**

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### Description

1. NFL: Added top receiving by yards and top sacks to the season leaders.
  2. DakStats Soccer: Finished the Scoreboard and Requested streams.
- 

## **Version 2.9.6**

**Release Date: September 28, 2006**

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### Description

1. DakStats Baseball: Added the ability to log situations and requests.
  2. NBA DTVI: Added initial requests for data.
  3. DakStats Baseball: Bug Fix: Homerun distance wasn't being included for pinch hitters.
  4. DakStats Baseball: Added game stats for the pitcher to the scoreboard stream.
  5. NFL: Added top sack leaders for the two teams for the game and season. Added weekly receiving leaders by yards.
  6. DakStats Baseball: Bug Fix: late versions of 2.9.4 and version 2.9.5 would fail on NT machines.
  7. DakStats Baseball: Bug Fix: Requests would not update as the game progressed.
- 

## **Version 2.9.5**

**Release Date: August 18, 2006**

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### Description

1. DakStats Baseball: Bug Fixes
  2. DakStats Baseball: Added logging for troubleshooting.
  3. NFL: Added red zone and goal to go efficiency to the season team stats output.
  4. Added a control port for other programs to obtain the information for the configured requested ports.
- 

## **Version 2.9.4**

**Release Date: June 9, 2006**

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### Description

1. DakStats Baseball: Added current batter bio information to the end of the scoreboard stream.
  2. DakStats Baseball: WHIP and per 9 stats were being calculated with tenths instead of thirds.
- 

## **Version 2.9.3**

**Release Date: May 12, 2006**

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### Description

1. DakStats Golf: Added the ability for a user to configure the destination for the XML files.
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2. DakStats Baseball: Bug Fix: Hits were not being updated properly in the GIP table of the summary database.
  3. Soccer: Added a TV Feed.
- 

## **Version 2.9.2**

**Release Date: April 10, 2006**

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### Description

1. DakStats: Bug Fix: Requests are not processed when a game is not open in DakStats.
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## **Version 2.9.1**

**Release Date: April 4, 2006**

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### Description

1. Bug Fix: When requesting without a game open it would display a message box. Now it doesn't do anything.
  2. DakStats Baseball: The pitcher per 9 stats was not being formatted properly.
  3. GameDay Baseball: Ingame requests for players with single digit numbers would work if the category didn't update from DakStats.
- 

## **Version 2.9.0**

**Release Date: March 27, 2006**

---

### Description

1. Bug Fix: Selecting No Sport as the interface was not selecting the All Sport configuration.
  2. DakStats Baseball: Added the ability to output GameDay data through the request port.
  3. DakStats Baseball: Added the ability to update Elias ingame stats during a game.
  4. DakStats Baseball: Handles the new primary keys for the pitching and batting tables.
  5. DakStats Baseball: Added pitching stats (WHIP, stats per 9 innings)
  6. DakStats Baseball: Added batting stats (K, TB)
- 

## **Version 2.8.5**

**Release Date: December 14, 2005**

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### Description

1. IDS Basketball: Added a configuration to show tenths in percentage fields.
- 

## **Version 2.8.4**

**Release Date: December 6, 2005**

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### Description

1. The changes made to the All Sport feed in version 2.8.3 made the TV Feed slow.
- 

## **Version 2.8.3**

**Release Date: December 2, 2005**

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### Description

1. Limited the packets sent to the All Sport. If there is new data to be processed it doesn't send anything to the All Sport until the new data is ready.
  2. Added an option to hold data that is sent to the All Sport when the clock is running and is under a
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minute. This feature can be turned on/off through the menu.

3. Each time the clock is stopped the data is immediately sent to the All Sport.
  4. PBR: The wrong bull was being selected when a re-ride occurred.
  5. IDS/Stat Crew Basketball: If a player's jersey number was entered as '0', the number would be blank in the output.
  6. DakStats Basketball: Increased the scoreboard stream to include additional stats for in-game players, fastbreak/turnover/paint points, and individual leaders.
- 

## **Version 2.8.2**

**Release Date: October 10, 2005**

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### Description

1. DakStats Golf: Team abbreviations are included with all players including individuals.
  2. DakStats Golf: Added an xml file output. The name corresponds to the event name and is located in the working directory.
- 

## **Version 2.8.1**

**Release Date: September 28, 2005**

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### Description

1. DakStats Golf: Added controls for the user to specify whether the player's name was last name only and the length of the name.
  2. DakStats Golf: Leaderboards will be blank until players/teams have scores.
- 

## **Version 2.8.0**

**Release Date: September 27, 2005**

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### Description

1. DakStats Golf: Added the interface.
  2. Stat Crew Football: Looks at the visiting team id to determine if a new game is being sent and to clear the data.
  3. Stat Crew Football: Clearing the stats was giving a record is deleted error message.
  4. When configuring an interface there is now only one scoreboard option.
  5. DakStats Football: Top 3 tackles for the game was displaying the wrong stats.
- 

## **Version 2.7.37**

**Release Date: August 24, 2005**

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### Description

1. NFL: Added team abbreviation, fumble recovery yards, offensive TD, defensive TD, and special teams TD to the scoreboard stream.
  2. Stat Crew Volleyball: Bug Fix with requested player stats.
  3. Stat Crew Football: Changed the system for entering duplicate jersey #'s to 0=a,...,9=j and any other character will be a NULL.
  4. Stat Crew Football: Extended the scoreboard stream with game team information and top 3 players in passing, rushing, receiving, and tackles for both teams.
  5. DakStats Football: Extended the scoreboard stream with game team information and top 3 players in passing, rushing, receiving, and tackles for both teams.
  6. DakStats Football: Added a Drive Summary request.
  7. Stat Crew Football: Bug Fix with player names that contain an apostrophe.
  8. Bug Fix: the summary database feed was not handling the different database formats
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9. DakStats Baseball: The Daktronics format for the summary database is now mapped to Master DSBASummaryDB.
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## **Version 2.7.36**

**Release Date: August 11, 2005**

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### Description

1. NFL: Added a request for the drive summary. If the team scored on the drive, scoring info is also set. The last play for the game is at the end of the stream. Use L for the drive # to get the last drive.
- 

## **Version 2.7.35**

**Release Date: August 1, 2005**

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### Description

1. Bug Fix: If an interface wasn't selected and the Edit menu was used it would blow up.
  2. NFL: Added top 3 rushing, receiving, passing to the requested stats for the season team stats
  3. NFL: TOP is calculated as an average for season stats.
- 

## **Version 2.7.34**

**Release Date: May 13, 2005**

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### Description

1. DakStats Baseball: When a request was made without a competition open it would crash.
  2. PBR: Added the ability to sit the current rider stream on the last rider whose stats changed since they were first shown. Added a refresh button to go to the next rider.
  3. PBR: Added current year stats for the rider and bull.
  4. Set the connection timeout for a SQL Database to 1 because it was taking too long to timeout when the database didn't exist.
  5. Set the tries to 5 on a SQL Database when the database can't be opened.
- 

## **Version 2.7.33**

**Release Date: April 5, 2005**

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### Description

1. DakStats Baseball: Added a display name for the player message request.
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## **Version 2.7.32**

**Release Date: April 4, 2005**

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### Description

1. DakStats Baseball: Added a top/bottom indicator to the scoreboard stream.
  2. DakStats Baseball: Player messages will now work with players that are not playing in the game.
  3. DakStats Baseball: Bug Fix: Requesting stats were very inconsistent.
- 

## **Version 2.7.31**

**Release Date: March 25, 2005**

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### Description

1. DakStats Baseball: Added a strikeout meter for both teams to the scoreboard stream.
  2. DakStats Baseball: Added a Current Pitcher/Batter to the home roster for requested stats.
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- 
3. DakStats Baseball: Added batting avg, hr, rbi, hits and pitcher ball, strikes to the other format for the summary db.
  4. DakStats Baseball: Bug Fix: Wasn't using two characters for all of the position in the player message request.
  5. DakStats Baseball: Bug Fix: Requested pitching stats were off by 10 characters.
- 

## **Version 2.7.30**

**Release Date: March 21, 2005**

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### Description

1. DakStats Baseball: Added team info to the player message request.
  2. DakStats Baseball: Added color rtd for lineup batting average.
  3. DakStats Baseball: Added due up indicators for bitmap rtd. The identifier is BB for batting team, FB for fielding team followed by their relative batting order.
  4. Fixed the Send Test Data function for the All Sport.
  5. DakStats Baseball: Added current batter and pitcher fields for bitmap rtd. Allows up to 5 different bitmaps for each player.
  6. DakStats Baseball: Added pinch-hit avg, catcher stolen base attempts, catcher thrown out % to the requested stream.
  7. DakStats Baseball: Added a strikeout meter to the scoreboard stream for the current pitcher.
  8. DakStats Baseball: Replaced the player position with the abbreviation in the summary database.
  9. DakStats Baseball: Bug Fix: Couldn't populate multiple summary databases.
- 

## **Version 2.7.29**

**Release Date: 15 February 2005**

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### Description

1. PBR: Overall Leaders was not updating until the scores were official.
- 

## **Version 2.7.28**

**Release Date: 10 February 2005**

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### Description

1. DakStats Baseball: Added the 1500 output.
- 

## **Version 2.7.27**

**Release Date: 3 February 2005**

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### Description

1. PBR: Added event selection.
  2. PBR: Added current round leader output.
  3. PBR: Added round leader request.
  4. PBR: Outputs up to 8 rounds of data.
- 

## **Version 2.7.26**

**Release Date: 21 December 2004**

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### Description

1. NFL: Summary DB wasn't being compacted properly
  2. DakStats Baseball: Summary DB wasn't being compacted properly
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## **Version 2.7.25**

**Release Date: 23 November 2004**

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### Description

1. NFL: Top 3 passers were not being sorted correctly.
- 

## **Version 2.7.24**

**Release Date: 27 October 2004**

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### Description

1. PBR: If there is a username/password entered for the server they will be used for access, otherwise it will use Windows Authentication.
  2. Stat Crew Hockey: Wasn't handling goalies correctly.
  3. Hockey: Wasn't calculating Goals Against Average correctly.
- 

## **Version 2.7.23**

**Release Date: 22 October 2004**

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### Description

1. Stat Crew Football: Wasn't handling First Last as the name.
  2. Stat Crew Hockey: Wasn't handling empty goalies.
- 

## **Version 2.7.22**

**Release Date: 19 October 2004**

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### Description

1. Stat Crew Football: Teams stats are outputted from Stat Crew data instead of calculated data
  2. Stat Crew Football: Duplicate jersey numbers are handled with alpha numeric numbers. (ex. 0A=1, CD=34).
- 

## **Version 2.7.21**

**Release Date: 14 October 2004**

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### Description

1. PBR: Updates the streams every second
  2. PBR: The connection to the database uses Windows Authentication.
- 

## **Version 2.7.20**

**Release Date: 5 October 2004**

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### Description

1. PBR: Fixed the leader stream.
- 

## **Version 2.7.19**

**Release Date: 30 September 2004**

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### Description

1. NFL Football: Rolled back the changes over the summer.
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- 
2. PBR: Added a scoreboard feed for the current rider. Requests are done by the rider and round instead of the bull.
- 

## **Version 2.7.18**

**Release Date: 3 September 2004**

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### Description

1. Stat Crew Football: If there were not 5 tacklers for each team there would be an error trying to write to the database.
- 

## **Version 2.7.17**

**Release Date: 23 August 2004**

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### Description

1. DakStats Football: The summary database for Deko interfaces was not working.
  2. NFL: Wasn't updating the stats after the initial interface selection.
- 

## **Version 2.7.16**

**Release Date: 19 July 2004**

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### Description

1. DakStats Baseball: The color rtd was not recovering correctly if a player was not found.
  2. PBR Rodeo: Added a 15 second timer to update the streams.
  3. DakStats Baseball: Bug Fix: Multiple players with the same jerseys was not working.
  4. Bug Fix: Dual TV Feeds were not working.
- 

## **Version 2.7.15**

**Release Date: 10 May 2004**

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### Description

1. DakStats Baseball: Added a Press Row Monitor output.
  2. PBR Rodeo: Added
- 

## **Version 2.7.14**

**Release Date: 14 April 2004**

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### Description

1. Baseball: Can now distinguish the difference between players with the same jersey number.
- 

## **Version 2.7.13**

**Release Date: 14 April 2004**

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### Description

1. DakStats Baseball: When requesting a player message without a lastname the request would fill in with the player's stats.
- 

## **Version 2.7.12**

**Release Date: 12 April 2004**

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Description

1. Elias Baseball: The send/receive ports were not being set when configured by the wizard.
  2. DakStats Baseball: Added color rtd to the lineups and current batter. The configuration for the color is in the Edit menu.
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## **Version 2.7.11**

**Release Date: 31 March 2004**

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Description

1. DakStats Baseball: Bug fix: Rosters would not be produced for the 7000/VPlay when requested.
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## **Version 2.7.10**

**Release Date: 30 March 2004**

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Description

1. Added the ability to set the format for the summary databases.
  2. Baseball: Teams are designated by their ids from the database.
  3. Bug Fix: When a sport interface wasn't selected DSTI would crash.
  4. Baseball: An F is placed in the inning when the game is complete.
  5. Baseball: Added the player's full name to the requests.
  6. Baseball: Changed pitcher runs to a calculated version.
  7. Baseball: The line score for the summary database is filled in the same way as the data streams.
  8. Baseball: Created a leaner database for summary databases that are used for other sign vendors.
- 

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## **Version 2.7.9**

**Release Date: 8 March 2004**

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Description

1. NFL/NHL: Made changes to enhance the speed of these interfaces.
  2. When creating the Elias Baseball interface two requested ports are needed. One for pregame and one for ingame.
  3. The TV Feed is now only updated when it changes.
- 

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## **Version 2.7.8b**

**Release Date: 20 February 2004**

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Description

1. Stat Crew/IDS: If a null character shows up in a packet it will be changed to a space so the packet can be saved as a string.
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## **Version 2.7.8a**

**Release Date: 13 February 2004**

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Description

1. Added the ability to change the All Sport port number for all interfaces.
  2. DakStats Baseball: Added DH's to the defensive lineup for the scoreboard feed.
  3. Stat Crew Baseball: There was a bug in the requested stats.
  4. Baseball: The summary database file wasn't being specified when using the wizard for the configuration.
-

## **Version 2.7.7**

**Release Date: 6 February 2004**

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### Description

1. Elias Baseball: Added the pregame requests.
  2. Stat Crew Baseball: Clear Stats Data was failing due to the change from a database.
  3. Basketball: Added the ability to configure stats from the scoreboard stream to be placed at the end of the All Sport stream.
- 

## **Version 2.7.6**

**Release Date: 29 January 2004**

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### Description

1. DakStats Baseball: Streams are updated from local data instead of the database.
  2. Stat Crew Baseball: The data from Stat Crew is now saved locally and the streams are updated from local data instead of the database.
- 

## **Version 2.7.5**

**Release Date: 12 January 2004**

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### Description

1. NFL: The total team yards was not being filled in for the summary database.
- 

## **Version 2.7.4**

**Release Date: 16 December 2003**

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### Description

1. Stat Crew/IDS: When packets are caught they are now passed with the message.
  2. Stat Crew/IDS Basketball: Packet lengths are verified as well as field outputs.
- 

## **Version 2.7.3**

**Release Date: 10 December 2003**

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### Description

1. DakStats: Bug Fix: The program was blowing up when double clicking a press row monitor in the configuration dialog.
  2. Added a menu option to display any quick guides that are available for the selected interface.
  3. DakStats: All database paths default to the path through Program Files
  4. DakStats: When editing an output communications are only stopped if there is a change to the configuration.
  5. DakStats: Added a menu option to delete the start/stop switch configuration.
  6. DakStats Basketball: Added 2nd chance points, points in the paint, points off of turnovers, fast break points, and bench points to the 1500 interface.
  7. NFL: The total TD formula for the Pinnacle interface was not including receiving TDs.
  8. NFL: Added an Update field for all of the Summary Database Tables so that the tables are never empty.
-



## **Version 2.7.2**

**Release Date: 5 November 2003**

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### Description

1. IDS Basketball: When Ming comes over as the last name the first and last names are switched around. This will make sure that we send Yao to the boards because Ming is his first name. This is a temporary fix until IDS makes their change.
- 

## **Version 2.7.1**

**Release Date: 31 October 2003**

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### Description

1. Bug Fix: The team player from Stat Crew/IDS Basketball was being thrown into the All Sport list of players. If the home team scores 100+ points this will offset the visitor ingame stats by a character.
  2. Bug Fix: Stat Crew/IDS Basketball will now show '00' as a jersey number
- 

## **Version 2.7.0**

**Release Date: 30 October 2003**

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### Description

1. Stat Crew/IDS Basketball Interfaces are saving the data locally instead of to the database.
  2. Added an option for All Star mode for Stat Crew/IDS Basketball. When All Star Mode is checked the players are parsed based on their jersey number and name, otherwise it only looks at the jersey number.
  3. When DSTI is opened in IDS mode it will automatically request all of the info from IDS.
- 

## **Version 2.6.4**

**Release Date: 23 October 2003**

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### Description

1. Fixed the pinnacle interface so only what is needed will be placed in the tables.
  2. Uses DLComm from the version directory instead of the main one.
- 

## **Version 2.6.3**

**Release Date: 16 October 2003**

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### Description

1. Stat Crew Basketball: Saves the information locally so we are taking away the time it is taking to write/read information from the database.
  2. NFL Interface: Fixed the Pinnacle interface so that all of the information can be retrieved.
  3. Stat Crew Hockey: Some database fields needed to be added to work with existing code.
- 

## **Version 2.6.2**

**Release Date: 18 September 2003**

---

### Description

1. Stat Crew Football was not calculating negative yardage for players.
-

## **Version 2.6.1**

**Release Date: 28 August 2003**

---

### Description

1. Stat Crew Volleyball is not setting the games played flag when a sub is made. Short-term fix was to not use the Played criteria in the request for ingame players.
  2. Added Attack Errors/Attempts/Pct in the scoreboard feed for ingame players for SC VB.
- 

## **Version 2.6.0**

**Release Date: 7 August 2003**

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### Description

1. The system database tables are now located in the season databases for all sports. Only Baseball has been tested. Baltimore Fix.
  2. Bug Fix: The game summary request for baseball.
- 

## **Version 2.5.19**

**Release Date: 4 August 2003**

---

### Description

1. Added the full name for the current batter and pitcher in the scoreboard stream and for any player that is requested for baseball.
  2. Bug Fix: The game summary request for baseball was sending game homeruns instead of season.
- 

## **Version 2.5.18**

**Release Date: 21 July 2003**

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### Description

1. The NFL Stats no longer need to include Missed PATs or FGs.
  2. Bug Fix: Only 10 teams will have defensive stats for team leaders but the records are ordered by a descending number and 0 beats all so we needed to add another criteria (tackles > 0) for this to be correct.
  3. Bug Fix: According to the spec Stat Crew VB uses 2 as a start character and 3 to end. Using their program we get 13 as the start and 4 as the end so we will account for both of them.
- 

## **Version 2.5.17**

**Release Date: 14 July 2003**

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### Description

1. Bug Fix: We were not accounting for the pitcher number if that pitcher didn't have any stats for the game. This caused the stream to be short for the All Sport feed.
  2. We were not accounting for the leading zero in a duration time so that we can display 5:04.
- 

## **Version 2.5.16**

**Release Date: 3 July 2003**

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### Description

1. Bug Fix: The Inning #'s were being populated wrong for the All Sport causing the stream to be short.
-

- 
2. Added team abbreviations to the weekly/season leaders for the NFL.
- 

## **Version 2.5.15**

**Release Date: 28 April 2003**

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### Description

1. Bug Fix: The duration for the game summary wasn't always sending 5 characters to the stream.
- 

## **Version 2.5.14**

**Release Date: 23 April 2003**

---

### Description

1. Bug Fix: The 'X' was showing in the bottom of the 9<sup>th</sup> if the home team batted in the 9<sup>th</sup> and didn't score.
- 

## **Version 2.5.13**

**Release Date: 22 April 2003**

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### Description

1. Added SLG%, OB%, SLG+OB% and Game RBIs to the scoreboard stream for the current batter.
- 

## **Version 2.5.12**

**Release Date: 18 April 2003**

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### Description

1. Stat Crew Baseball does not add up the season stats and game stats for data. It only uses comp 0 for the season stats.
  2. 3<sup>rd</sup> party stats need to send us packets starting with STX and ending with ETX
- 

## **Version 2.5.11**

**Release Date: 8 April 2003**

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### Description

1. Bug Fix: Stat Crew was adding a player into the ingame even if they were already in the table.
  2. Added the Hit Error fields for the scoreboard streams from DakStats
  3. Fixed the way we get runs and hits for the scoreboard streams.
- 

## **Version 2.5.9**

**Release Date: 26 March 2003**

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### Description

1. Added the summary db for baseball.
- 

## **Version 2.5.8**

**Release Date: 24 March 2003**

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### Description

1. IDS wasn't checking for apostrophe's in names.
-

## **Version 2.5.7**

**Release Date: 22 March 2003**

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### Description

1. For IDS updating the Database a flag is set if info has changed and the info is updated on the next clock packet (heartbeat).
- 

## **Version 2.5.6**

**Release Date: 17 March 2003**

---

### Description

1. Added All Sport control for DakStats Baseball.
  2. Added Player Messages to DakStats Baseball request.
  3. Added OPS Stat to DakStats Baseball sbrd stream.
  4. Summary DB is half finished for DakStats Baseball.
- 

## **Version 2.5.5**

**Release Date: 17 February 2003**

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### Description

1. Bug Fix: NHL Hockey: If there is no goal in the game the information after the last goal in the scoreboard feed will be off by one character.
  2. Bug Fix Stat Crew Baseball: The spaces need to be removed before adding a string for a number into the database.
- 

## **Version 2.5.4**

**Release Date: 7 February 2003**

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### Description

1. Bug Fix: When verifying that the stat has integers, periods also need to be looked at for decimal numbers.
  2. Need to send enhanced RTD with a 0 for a response bit.
- 

## **Version 2.5.3.0**

**Release Date: 4 February 2003**

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### Description

1. Bug Fix: Was looking for team and number when entering IDS players and not name so duplicate jersey numbers couldn't be used for the All Star game.
- 

## **Version 2.5.2.0**

**Release Date: 22 January 2003**

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### Description

1. Stat Crew Basketball only updates when the foul packet is received.
- 

## **Version 2.5.1.0**

**Release Date: 10 January 2003**

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Description

1. Added first name to the requested feed for basketball
  2. All basketball interfaces sort the ingame players by jersey number and bench players by points.
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## **Version 2.5.0.0**

**Release Date: 27 November 2002**

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Description

1. Validates the Stat Crew feed.
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## **Version 2.49**

**Release Date: 24 November 2002**

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Description

1. Bug Fix: When an error occurred in the Stat Crew feed, DSTI would try to process the error over and over again.
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## **Version 2.48**

**Release Date: 13 November 2002**

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Description

1. Added time between sending the PRM format and the data so that all data will appear on the screen.
  2. Made the buttons smaller so that they will show in 800x600 format.
  3. Press Row Monitors will always be updatable as long as a PRM is configured no matter what interface is being used.
  4. Stat Crew and IDS Basketball need to use the team player for team stats for PRMs and 1500 displays.
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## **Version 2.47**

**Release Date: 28 October 2002**

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Description

1. Added ability to turn logging on/off for the serial interfaces.
  2. Added DakStats Messaging option for NFL/NHL Interfaces.
  3. When Daktronics apps open DSTI, the app can tell DSTI which interface to open.
  4. Added default summary database paths using the DSTI\_SummaryDB folder.
  5. Added IPX/UDP to PRMs.
  6. Bug fix: Don't allow an interface to be opened without a sport selected.
  7. Compacts the databases when an interface is opened.
  8. Bug fix: When an update on PRMs is done, the PRM configuration needs to be sent as well.
  9. Bug fix: When the database path is changed all RTD needs to be updated.
  10. Team stats for Stat Crew Basketball will be taken from the feed instead of being calculated.
  11. When the stats are cleared for Stat Crew and IDS, the competition record must be requeried.
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## **Version 2.46**

**Release Date: 10 October 2002**

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Description

1. Added a quarter description for NFL Out-of-town scores
  2. The summary database path is visible when looking at a sport configuration
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3. Calculations for team stats is no longer needed in the IDS Interface. Whatever they give us is displayed for the team.
  4. A path may be set for a summary database.
  5. Summary databases are compacted as long as no other application is using the database.
  6. The NFL summary database is set so that whole numbers are set as integers and fractional numbers have only one decimal point.
  7. Bug fix: Baseball HR distance gives the correct distance if a distance is added
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## **Version 2.45**

**Release Date: 2 October 2002**

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### Description

1. Implemented the in-game flag for Stat Crew volleyball.
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## **Version 2.44**

**Release Date: 27 September 2002**

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### Description

1. Builds the Scores table for the NFL summary database
  2. When a TV feed is setup for the NFL interface, the stop bits are defaulted to 2 for FOX.
  3. Clock data is formatted in the NFL summary database.
  4. Added an 'H'/'V' indicator for team tables in the NFL summary database.
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## **Version 2.43**

**Release Date: 20 September 2002**

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### Description

1. .lci files are updated as games are played when using the Stat Crew or IDS interfaces.
  2. Bug fix: Stat Crew football gives scores as quarters are played instead of not all at once.
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## **Version 2.42**

**Release Date: 18 September 2002**

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### Description

1. Added top 5 stat leaders to the GIP stream for the NHL interface.
  2. Removed unsupported NHL stats for the 2002-2003 season.
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## **Version 2.41**

**Release Date: 16 September 2002**

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### Description

1. Added the ability to get in-game players for volleyball through the All Sport so that in-game stats could be sent to the All Sport from Stat Crew volleyball.
  2. Added extended All Sport stats in DakStats football for the Fargodome.
  3. Fixed the AvgPassYds formula.
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## **Version 2.40**

**Release Date: 27 August 2002**

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### Description

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1. Changed the VPlay default IP sockets to 22321 for GIP and 22322 for requested stats.
  2. Added the NFL Interface to DSTI.
  3. Set the IP socket defaults for NFL Weekly, Season, and Team leaders to 21323, 21324, and 21325 respectively.
  4. Bug fix: When there were extra innings in DakStats baseball with grouped innings, the home score would show in the visitors inning space.
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## **Version 2.37**

**Release Date: 12 June 2002**

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### Description

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1. Use 8 periods for basketball (4 for regulation, 4 for OT)
  2. Set played flag for all players in IDS basketball
  3. Optimized hockey code
  4. Bug fix: Was using a configuration pointer without a configuration.
  5. Optimized viewing data code
  6. Added Stat Crew football for viewing data
  7. IDS uses the new TV feed
  8. Bug fix: Baseball innings numbers were not being ended correctly.
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## **Version 2.36**

**Release Date: 22 May 2002**

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### Description

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1. Implemented Stat Crew Football
  2. Databases and ports are not accessed when using the configuration program
  3. A game clock is not included in the configuration with Baseball or Volleyball
  4. The Pro Sport View will work with stats and no All Sport
  5. The Pro Sport View uses a list control for Baseball stats
  6. The number of periods for a game will be accessed through the interface with DakStats because the rules files cannot be used when communicating over a network
  7. Added season stats for MLB.
  8. Added base runners and players by position to the Baseball scoreboard stream
  9. 3<sup>rd</sup> party vendor interface classes will handle the inputs for that vendor and leave the output to the base class.
  10. Fixed Homerun Distance and Due Ups in the Baseball scoreboard stream.
  11. Added dialog for the user to select the type of communications that are needed with DakStats
  12. Added an option to send test data out the ports.
  13. Pitch count is updated prior to the other stats in the scoreboard stream.
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## **Version 2.35**

**Release Date: 12 March 2001**

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### Description

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1. Added DakStats and Stat Crew Baseball.
  2. Fixed the Press Row Monitor button.
  3. Fixed the problem of having DakStats and DSTI on different computers.
  4. Added the old TV Feed to IDS BB.
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## **Version 2.33**

**Release Date: 25 February 2002**

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### Description

1. Added stats to the scoreboard stream for the NHL.
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## **Version 2.32**

**Release Date: 20 February 2002**

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### Description

1. Added stats to the scoreboard stream for AMB Auto Racing.
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## **Version 2.31**

**Release Date: 5 February 2002**

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### Description

1. Added stats to the scoreboard and requested streams for AMB Auto Racing.
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## **Version 2.30**

**Release Date: 1 February 2002**

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### Description

1. Added AMB Auto Racing.
  2. When using DakStats as the interface, windows messaging is used instead of IP ports.
  3. Added a Start/Stop button for configuring a Start/Stop Switch port.
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## **Version 2.25**

**Release Date: 20 December 2001**

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### Description

1. Each sport may have an Infosport configuration.
  2. Can't select the same port between Infosports and Press Row Monitors.
  3. Fixed the Infosport feed.
  4. Finished COM for the Infosports
  5. Added the ability to set a path to a remote set of databases.
  6. Added a sample baseball request stream for a convention.
  7. Enabled the Pro Sport View
  8. Changed the default Basketball TV feed to the one proposed for IDS.
  9. Added an All Sport stream for hockey.
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## **Version 2.21**

**Release Date: 27 November 2001**

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### Description

1. Replaced COM with IP ports and/or window messaging
  2. Added a check box to the Press Row Monitor configuration dialog for turning Press Row Monitors on/off.
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## **Version 2.20**

**Release Date: 13 November 2001**

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### Description

1. Removed DSTI from the system tray.
2. Added the ability for the user to configure Press Row Monitors when using DakStats.

## **Version 2.16**

**Release Date: NOT RELEASED**

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### Description

1. Added and Implemented new sport ids for DakStats to distinguish between using DakStats or No stats for a sport.
2. Only players with minutes will be placed in the scoreboard stream when using IDS Basketball as the sport interface.
3. Changed the Current Configuration button to View Configuration and changed the clock options for IDS BB to clock or extended clock.

## **Version 2.15**

**Release Date: 25 October 2001**

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### Description

1. Added the Hustle Total for rebounds, steals, and blocks to the Stat Crew data streams.

## **Version 2.14**

**Release Date: 18 October 2001**

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### Description

1. Added stats to the databases and data streams for basketball that IDS had and DakStats doesn't.
2. Calculated and added stat leaders to the scoreboard stream output
3. Optimized code by:
  - Creating record sets for the scoreboard stream output once.
  - Not connecting to DakStats when it is not being used.
4. The All Sport to Venus feed only needs the first 303 characters when using a stats package. DSTI will fill in the rest.
5. Bug Fix: The ssssssssssssss were showing up in the TV feeds because the string wasn't getting cleared out before another item was requested from the rtd stream and if there was nothing in the item the s from the start/stop indicator would still be there.
6. Added the extended clock feed (includes stats) to IDS in the form of a second TV feed.
7. Bug Fix: The checksum for the basketball TV feed was calculated using the start and end characters.
8. Added a configuration page to the Configuration Wizard for selecting a clock or extended clock feed to IDS.
9. Added a flag to ensure that the data streams were being updated after every database change.
10. Added a menu option to request all stats from IDS.

## **Version 2.13**

**Release Date: 10 October 2001**

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### Description

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1. When IDS is selected as the sport interface, all data will be requested from IDS.
  2. Added a menu option to clear all stats from the databases. This includes the rosters and teams.
  3. Added the Hustle Total for rebounds, steals, and blocks to the IDS data streams.
  4. Made Build functions virtual in the sport base classes so derived classes can use them.
  5. Players are sorted by their player numbers in basketball.
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## **Version 2.12**

**Release Date: NOT RELEASED**

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### Description

1. Bug Fix: Only allow the maximum number of characters in the database for player/team names.
  2. Bug Fix: Use a leading space in front of single digit player numbers when searching for them in the database.
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## **Version 2.11**

**Release Date: NOT RELEASED**

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### Description

1. Changed the default VPlay network settings so that they would not be the same as the default Venus network settings.
  2. Added the ability to request both teams in basketball.
  3. The data streams will be updated after a database change if an update is not already occurring. Otherwise the update will occur after the current update is finished.
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## **Version 2.10**

**Release Date: 4 October 2001**

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### Description

1. Store player numbers with a leading space for single digit numbers in the database.
  2. Changed the default send intervals for communication objects to ten seconds.
  3. Bug Fix: Trying to divide by zero when calculating a hockey percentage.
  4. Removed the Sport Selector menu option.
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## **Version 2.04**

**Release Date: NOT RELEASED**

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### Description

1. Added the clock feed for IDS.
  2. Bug Fix: The hockey TV feed checksum was being calculated using the start and end characters.
  3. The basketball database for IDS will now be filled in from the Player Total packets instead of the Player Total Periods packet.
  4. Added the Stat Crew and IDS basketball interfaces.
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## **Version 2.02**

**Release Date: 28 August 2001**

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### Description

1. Added the Stat Crew hockey interface.
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## **Version 2.00**

**Release Date: 21 August 2001**

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Description
1. Added the Stat Crew volleyball interface.
2. Changed the User Interface.
3. Made all port protocols for stats to be raw data.
4. Removed the default serial options for Venus applications.
5. Added the ability for the user to configure Venus 1500 displays when using DakStats as the stats interface.
6. Added the ability to use multi-line stats for Venus 1500 displays.
7. Created the Pro Sport view.
8. Added the Configuration Wizard.
9. Changed the .dsi file to handle multiple sport configurations.

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