

**DAKSTATS BASKETBALL
GAMECAST**

INSTALLATION &
OPERATION MANUAL

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DAKTRONICS

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1 Introduction

The purpose of this manual is to assist with the installation and operation of the DakStats® Basketball GameCast application. This software is designed to be viewed by press personnel, including newspaper reporters, radio announcers, and other on-air personalities. Not only is GameCast a simple way to navigate through statistics and find exactly what is newsworthy, it can also be used as an interactive report for coaches to analyze team and player performance.

The following information is readily available through GameCast:

- Game overview
- Team shot charts (home & visitor)
- Box score
- Individual shot charts
- Leaders
- Individual statistics
- Play-by-play runs
- Game/season leaders

The manual includes the following main sections:

- **Introduction** covers the basic information about the program and this manual. Take time to read the introduction as it defines terms and explains concepts used throughout the manual.
- **Installation** describes the software installation procedures.
- **Initial Setup** and **In Game Operations** explain how to control and configure the application.

Software Requirements

- Microsoft Windows® 7 or higher Operating System
- CPU and RAM must at least be equal to minimum requirements of operating system
- 1024 x 768 resolution

Software Conventions

This manual contains the following software conventions and terminology:

Bold	Indicates an item that requires direct action, such as clicking, pressing, selecting, or formatting. Also used for reference items within the manual, such as figures or sections, as well as other documents and notes.
<i>Italics</i>	Indicates onscreen text or labels that are not clickable.
[Brackets]	Represents a keyboard key that needs to be pressed.
"Quotes"	Text or commands that may be typed. Quotes also indicate folder names.
Click	Press and release the left mouse button.
Double-click	Press and release the left mouse button twice.
Right-click	Press and release the right mouse button.
Select	Highlight or mark, such as by placing a check mark in a nearby box; clicking will not necessarily perform an action.
>	Followed by (example: File > Open).

2 Installation

The DakStats Basketball GameCast application can be downloaded from the Internet or installed from an installation CD. The program will typically be installed on a separate computer from the DakStats Basketball stats-entry program, but on the same network.

For more information about the DakStats Basketball software, refer to the **DakStats Basketball Installation and Operation Manual** ([ED-18169](#)).

Downloading from the Internet

1. Open an Internet browser and go to [http://dakfiles.daktronics.com/downloads/DakStats/Dakstats Basketball GameCast Install.exe](http://dakfiles.daktronics.com/downloads/DakStats/Dakstats%20Basketball%20GameCast%20Install.exe)
2. In the window that appears, click **Run**. If an additional window opens, click **Run** once more.
3. Follow the on-screen instructions.
4. Click **Finish** when done.
5. Double-click the desktop icon (**Figure 1**) to open the program.

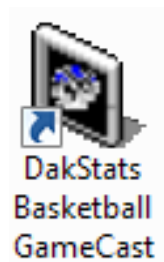


Figure 1: Icon

Installing from the Installation CD

1. Insert the installation CD.
2. Navigate to the "BasketballGameCast" folder.
3. Double-click the "Dakstats Basketball GameCast Install" file to begin the installation process.
4. Follow the on-screen instructions.
5. Click **Finish** when done.
6. Double-click the desktop icon (**Figure 1**) to open the program.

3 Initial Setup

DakStats Basketball Setup

To use the GameCast feature, these settings must be configured in DakStats:

1. Go to **Webcast > Configure**.
2. Click on the **GameCast** tab, and then click **Enable GameCast (Figure 2)**.
3. It is recommended to select **Network** using the **Default UDP Port Number**.

Note: Refer to **Creating Game Files (p.4)** to set up a game file instead of using a network connection.

4. Click **Apply**, and then click **OK**.
5. With a game open, go to **Webcast > Start** to begin sending data to the GameCast program.

GameCast Setup

When the DakStats Basketball GameCast program is first opened, the *Configure* screen (**Figure 3**) appears. These settings must exactly match those set up in DakStats. After ensuring the settings are the same, click **OK** to begin using the GameCast program.

Creating Season Files

In order to show season stats, a season-to-date file must first be exported. The operator may choose to show only the stats for the home team, only the guest team, or both teams. To export season stats:

1. Open DakStats Basketball.
2. Go to **File > Export Season to Date**.
3. Select a Season.
4. Under *Select File Output Format*, select **NCAA XML**.
5. Select the Home team.
6. If necessary, click **Change Directory** to navigate to different folder in which to save the season file.
7. Click **Export**.

Note: If the following error appears: "Export Failed! [Team] needs to have a valid Team Code", go to **Configure > Teams** and click **Look Up ID/Code** to locate the appropriate code or use Team Code "99999" for non-league teams.

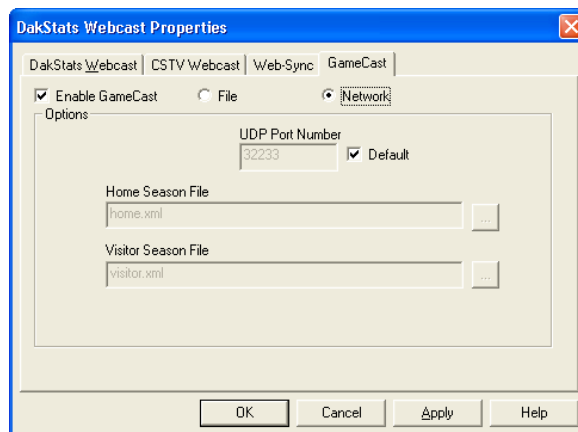


Figure 2: GameCast Properties - Network

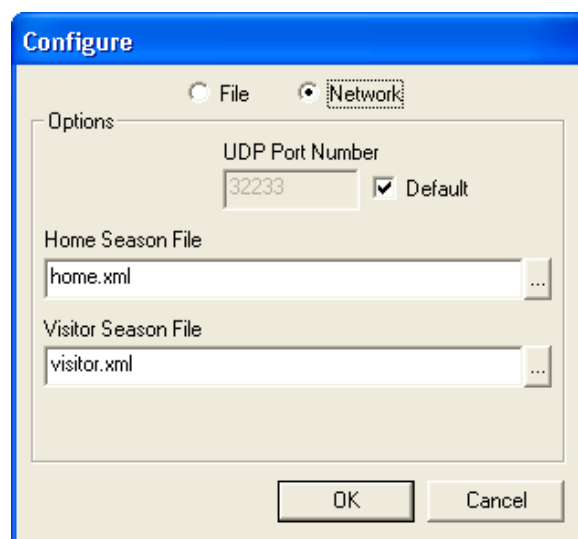


Figure 3: Configure - Network

8. Open DakStats Basketball GameCast.
9. Click **Configure**.
10. Under *Home Season File*, click the [...] button to locate the XML season file that was just created.
11. Click **OK** to load the home season stats.

Visitor Season Files

To show season stats for visiting teams, the opposing team must perform **Steps 1–7** above and provide the XML file to the home team. This file may be emailed beforehand, burned to a CD, or saved to a USB drive. The visitor season file may be loaded into the GameCast program just like home team stats (see **Steps 8–11** above).

Note: If both the home and visiting teams have a Non-Member School Code (99999), it is possible that the season files will have the same file name. If this is the case, rename the visitor season file or save it in a different directory to avoid overwriting the home file.

Creating Game Files

Instead of reading the game live over the network connection as described in **DakStats Basketball Setup (p.3)**, a game file may be opened.

To create a game file that constantly updates during the game:

1. Open DakStats Basketball.
2. Go to **Webcast > Configure**.
3. Click on the **GameCast** tab, and then click **Enable GameCast**.
4. Select **File** (Figure 4).
5. Click the [...] button to navigate to the folder where the file will be saved.
6. Enter a generic game file name, and then click **Open**.
7. Click **Apply**, and then **OK**.
8. With a game open, go to **Webcast > Start** to begin outputting the XML game file.
9. Open DakStats Basketball GameCast.
10. Click **Configure**.
11. Click **File** and then click the [...] button to locate the XML game file (Figure 5).
12. Click **OK** to open the game.

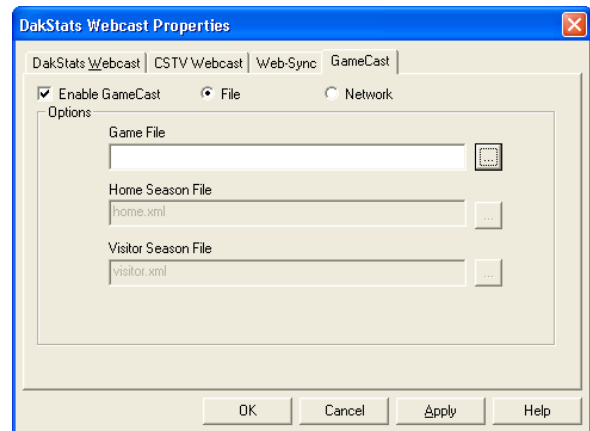


Figure 4: GameCast Properties - File

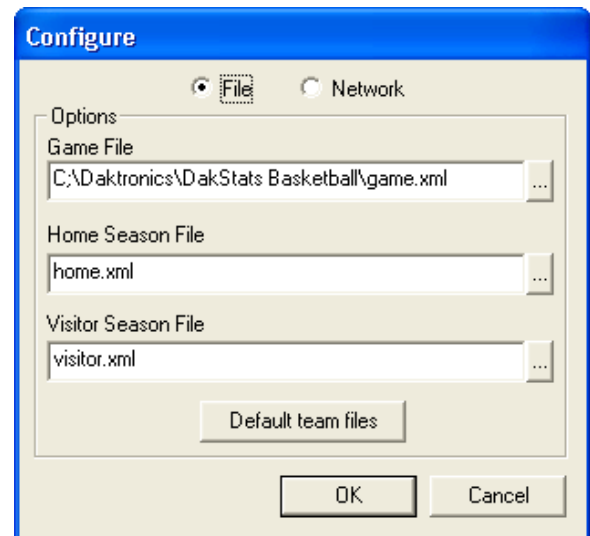


Figure 5: Configure - Network

As new information is entered into DakStats and the file changes, it will update within the GameCast program every 10-15 seconds.

The following method describes how to open a game that DOES NOT update. This can be used as an analysis tool after the game is finished.

1. Open DakStats Basketball.
2. Select a season and open a competition.
3. Go to **Game Control > Export game as XML file**.
4. Select the destination folder and give the game a descriptive name. Click **Save**.
5. Open DakStats Basketball GameCast.
6. Click **Configure**.
7. Click **File** and then click the [...] button to locate the XML game file just created.
8. Click **OK** to open the game.

Note: If any changes are made to the game in DakStats, the XML file must be exported again. As long as the file name remains the same, the GameCast program will still open it.

Saving Files to Network Drives

Game and season files may be saved to a network drive to share information between computers; however, the default UDP connection should be used whenever possible.

If these files must be saved to a network drive, it is recommended to use a full, qualified server path as opposed to a mapped network drive:

- Server path drive example: “//server/shareddrive/gamefile.xml”
- Mapped network drive: “G:/directory/gamefile.xml”

4 In Game Operations

Once a game is opened and being Webcasted in DakStats Basketball, operators are able to begin monitoring stats in the GameCast program.

Main Application Screen

The main application screen (**Figure 6**) contains the following buttons and areas:

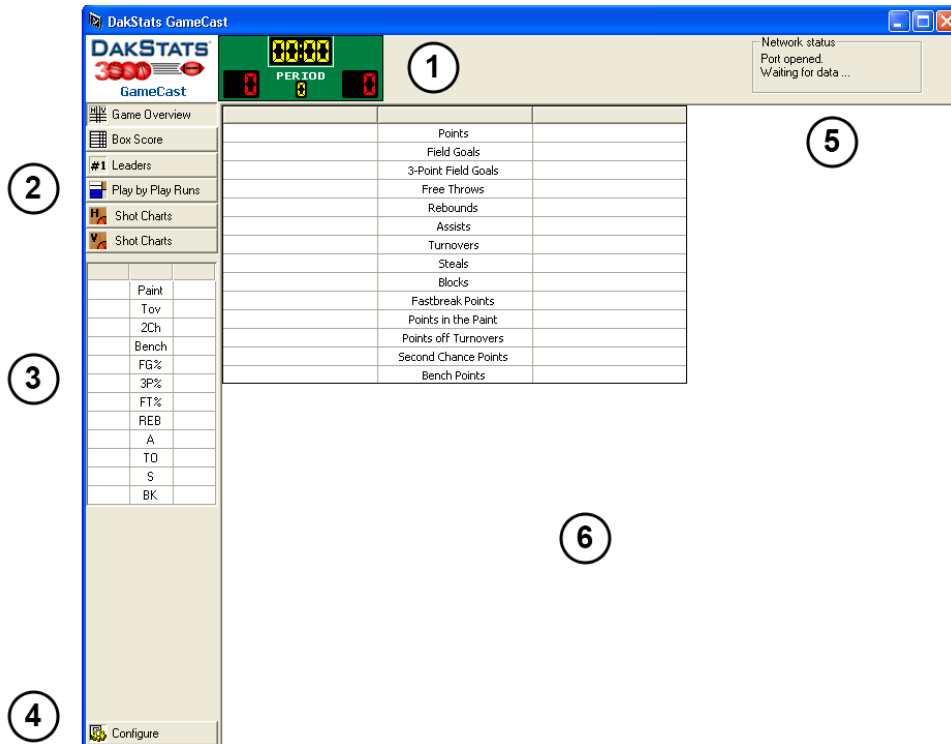


Figure 6: Main Application Screen

1. **Scoreboard:** Shows the current scores for both teams, game time, and period.
2. **Mode Buttons:** Switch between different game information views.
3. **Quick Stats:** Shows common game stats for both teams, no matter which mode is being viewed.
4. **Configure Button:** Click to set up the network connection or home/season stats files. Refer to **GameCast Setup (p.3)**, **Creating Season Files (p.3)**, and **Creating Game Files (p.4)** for more information.
5. **Network Status:** Shows the status of the network connection. This area will display "Disabled." when using game files.
6. The information in this area differs depending on the selected mode (refer to the following sections for a description of the data available for each mode).

Game Overview Mode

Click **Game Overview** to enter the Game Overview mode (**Figure 7**). This screen provides a quick side-by-side comparison of the stats for both teams. Other information, such as the location, attendance, and game officials, may also be displayed.

Game Overview		NDSU Bison	MC Mustangs
Box Score		11	10
#1 Leaders		5-12 (41.7%)	3-10 (30.0%)
Play by Play Runs		1-5 (20.0%)	2-4 (50.0%)
NDSU Shot Charts		0-0 (0%)	2-2 (100.0%)
MC Shot Charts		7	7
		0	1
		1	1
		0	0
		2	3
		0	0
		0	0
		2	0
		5	0
		2	3
NDSU	MC	NDSU Bison MC Mustangs	
0	0		
2	0		
5	0		
2	3		
41.7	30.0		
20.0	50.0		
0.0	100.0		
7	7		
0	1		
1	1		
0	0		
2	3		

Figure 7: Game Overview

Box Score Mode

Click **Box Score** to enter the Box Score mode (**Figure 8**). This screen provides a grid of stats for players on both teams with the home team on top.

NO	NDSU	PTS	FG	FGA	%	3P	3PA	%	FT	FTA	%	OR	DR	REB	FLS	A	TO	BK	S	MIN
8	Penelope Shortbread	5	2	3	66.7	1	2	50.0	0	0	0.0	0	1	1	0	0	0	0	0	20
9	Maria Archangels	2	1	4	25.0	0	1	0.0	0	0	0.0	0	3	3	0	0	0	0	0	0
10	Susan Michaels	2	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	20
11	Roxanne Livingston	2	1	2	50.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	1	20
13	Jannelle Vandergroeten	0	0	1	0.0	0	1	0.0	0	0	0.0	1	0	1	0	0	0	0	0	20
14	Seline Gonzalez	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	20
15	Ginger Howell	0	0	0	0.0	0	0	0.0	0	0	0.0	0	2	2	0	0	0	0	1	0
TM	TEAM	0	0	1	0.0	0	1	0.0	0	0	0.0	0	0	0	0	0	0	0	1	0
	Team Totals	11	5	12	41.7	1	5	20.0	0	0	0.0	1	6	7	0	0	1	2	0	
	1st Quarter	11	5	12	41.7	1	5	20.0	0	0	0.0	1	6	7	0	0	1	2	0	
	2nd Quarter	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	
NO	MC	PTS	FG	FGA	%	3P	3PA	%	FT	FTA	%	OR	DR	REB	FLS	A	TO	BK	S	MIN
1	Tatum Mann	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	1	0	0	0
2	Angela Larson	3	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0	0	0	0	0	0	0
3	Pat Just	7	2	4	50.0	1	2	50.0	2	2	100.0	0	1	1	0	0	0	0	0	0
4	Margret Pallbearer	0	0	1	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	1	0
5	Mary Dunbar	0	0	1	0.0	0	1	0.0	0	0	0.0	0	1	1	0	0	0	0	1	0
6	Marci Bundy	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	8
7	Dana Mulder	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	12
8	Diana Fonzerelli	0	0	2	0.0	0	0	0.0	0	0	0.0	0	1	1	1	0	0	0	1	8
11	Agnes Holstien	0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	20
14	Amber Sorenson	0	0	0	0.0	0	0	0.0	0	0	0.0	0	2	2	0	0	0	0	1	0
16	Rose Cleaver	0	0	1	0.0	0	0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	0
17	Mary Ann Gibson	0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	1	0	0	0	0	0	0
TM	TEAM	0	0	0	0.0	0	0	0.0	0	0	0.0	0	1	1	0	0	0	0	0	0
	Team Totals	10	3	10	30.0	2	4	50.0	2	2	100.0	1	6	7	1	1	1	3	0	
	1st Quarter	7	2	9	22.2	1	3	33.3	2	2	100.0	1	6	7	1	0	1	3	0	
	2nd Quarter	3	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0	0	0	1	0	0	0

Figure 8: Box Score

- Stats in red text are game highs for the team.
- Stats in green exceed the player's season average (must have at least 5 games).
- By default, stats are sorted by number with in-game players shown first, as indicated with an asterisk (*). Use the *Player Filter* to show **All** or just **In-Game** players.
- Clicking on a specific column heading (*PTS*, *FG*, etc.) once will sort stats from highest to lowest, and clicking it again will sort lowest to highest.

- Double-clicking a player will bring up an individual stats page (**Figure 9**). This page provides game/season stats, a shot chart, and a listing of every play in which the player was involved during the game.

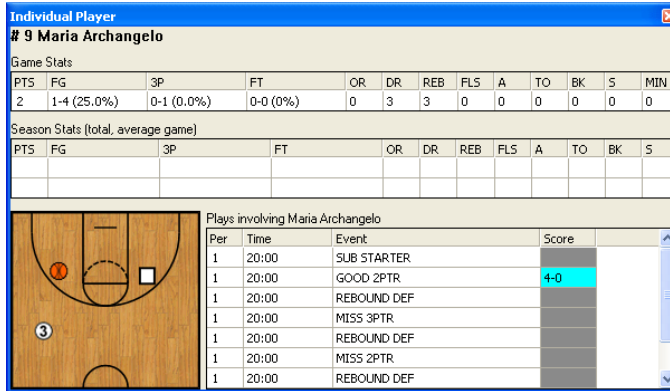


Figure 9: Individual Player

Note: Click the red X in the upper-right corner to close the window. It is not necessary to exit out of the window before double-clicking another player.

Leaders Mode

Click **Leaders** to enter the Leaders mode (**Figure 10**). This screen shows each team's top 5 leading players in 8 stat categories along with the total numbers.

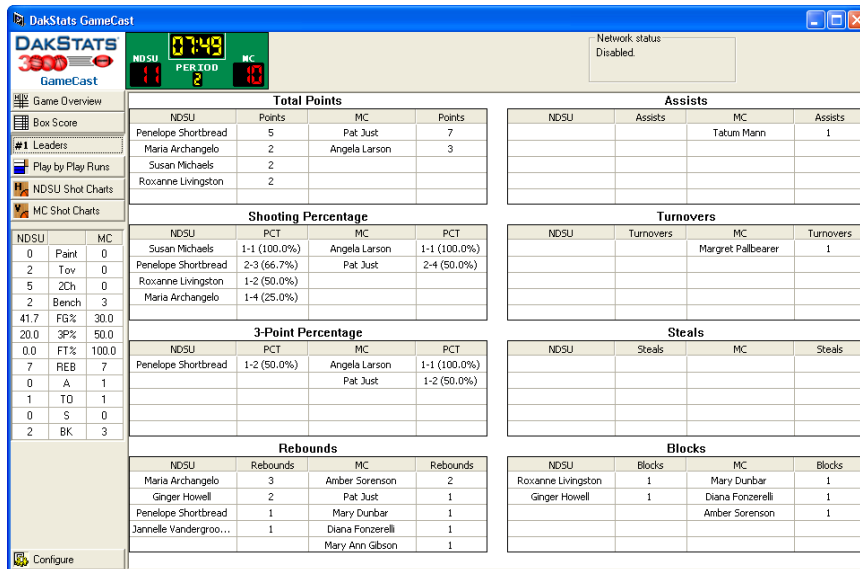


Figure 10: Leaders

Double-click individual player names to view their stats in a separate window. Refer to **Box Score Mode (p.7)**.

Play by Play Runs Mode

Click **Play by Play Runs** to enter the Play by Play Runs mode (**Figure 11**). This screen shows a full-court shot chart and a listing of every play description so far in the game.

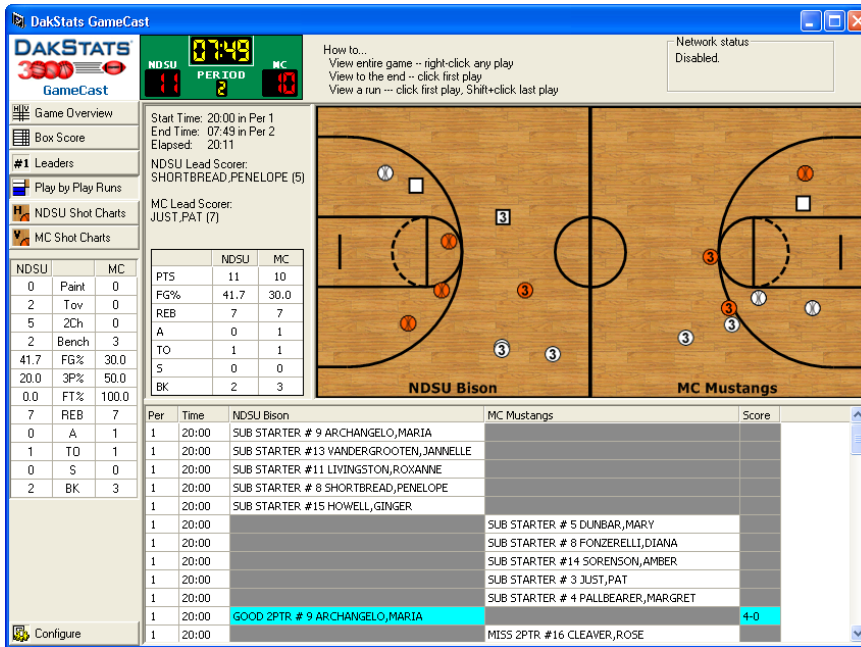


Figure 11: Play by Play Runs

Shot Icons	
	Successful field goal
	Missed field goal
	Blocked field goal
	Successful three point shot
	Missed three point shot
	Blocked three point shot

- If no play is selected, stats are calculated for the entire game.
- If one play is selected, stats are calculated from that play until the end of the game.
- If two plays are selected, stats are calculated from the first selected play to the second one, highlighting only the selected time frame in the game. To select a certain time frame, click on the first play and hold down **[Shift]** while selecting the second play.

Note: When the selection changes, the stat box is recalculated and the shot chart is regenerated to reflect the selection.

Home/Visitor Shot Charts

There are two buttons with the home and the visitor team abbreviation that enter the Shot Chart mode (**Figure 12**). This screen shows individual player shot charts and stats.

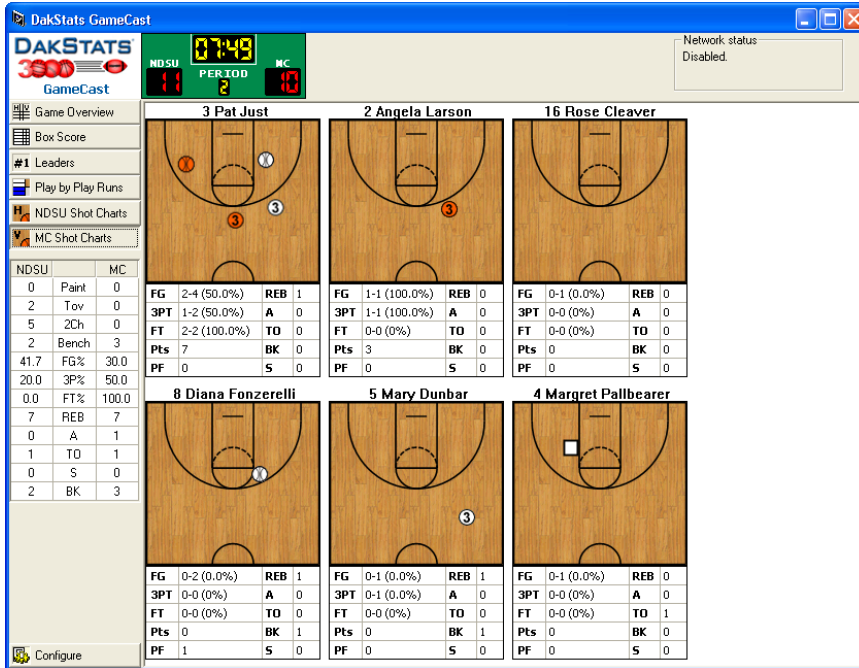


Figure 12: Shot Charts

- Double-click the bold player names or their shot chart to view all of their stats in a separate window. Refer to **Box Score Mode (p.7)**.