

Baseball/softball season XML description

Version 1.1.2.1 (10/20/2003)

The following is an overview of the structure for a baseball/softball season XML output:

```

<bbseas. . . >
  <venue. . . ></venue>
  <team . . . ></team>
  <totals. . . >
    <hi tting. . . ></hi tting>
    <pi tching. . . ></pi tching>
    <fi elding. . . ></fi elding>
    <hsi tsummary. . . ></hsi tsummary>
    <psi tsummary. . . ></psi tsummary>
  </totals>
  <opponent. . . >
    <hi tting. . . ></hi tting>
    <pi tching. . . ></pi tching>
    <fi elding. . . ></fi elding>
    <hsi tsummary. . . ></hsi tsummary>
    <psi tsummary. . . ></psi tsummary>
  </opponent>
  <player. . . >
    <hi tting. . . ></hi tting>
    <pi tching. . . ></pi tching>
    <fi elding. . . ></fi elding>
    <hsi tuation. . . ></hsi tuation>
    <psi tuation. . . ></psi tuation>
    <fsi tuation. . . ></fsi tuation>
    <hsi tsummary. . . ></hsi tsummary>
    <psi tsummary. . . ></psi tsummary>
  </pl ayer>
  <games>
    <game. . . ></game>
  </games>
</bbseas>

```

<bsseas>

The <bsseas> tag defines the start of a baseball/softball season dump.

```
<bsseas source="TAS Baseball/Softball" version="1.1.0" date="Feb 20, 2001">
```

Attribute	Description
source	identifies the system that built the data output
version	identifies the version of the bbgame specification used to build the data output
generated	the date when the output was generated

Notes:

<venue>

The <venue> tag defines general attributes about the team. Attributes in the <venue> tag are:

```
<venue type="BASEBALL" ncaadivision="I"></venue>
```

Attribute	Description
type	BASEBALL or SOFTBALL
ncaadivision	indicates the NCAA division ("I", "IA", "II", "III", and so on)

Notes:

<team>

The <team> defines information about a team. The following <linescore>, <totals>, <special> and <player> tags are applied to this team.

```
<team code="169" id="CU" name="Creighton" season="1999" conf="Missouri Valley Conference"
coach="John Smith"
overall="27-12-0" confonly="12-5-0" home="8-1-0" away="10-7-0" neutral="9-4-0"></team>
```

Attribute	Description
code	external team code (may be different than the team id)
id	team id
name	team name
season	identifies the season (for example, "2000-01")
conf	conference the team is in
coach	name of the head coach
overall	overall W-L record
confonly	conference-only W-L record
home	home W-L record
away	away W-L record
neutral	neutral site W-L record

Notes:

<totals>

The <totals> tag begins a summary of <hitting>, <fielding>, and <pitching> statistics for the team in the season. These tags are described later in this document.

```
<totals gp="2" w="15" l="7" t="0">
```

Attribute	Description
gp	games played by the team
w	wins
l	losses
t	ties

Notes:

<opponent>

The <opponent> tag begins a summary of <hitting>, <fielding>, and <pitching> statistics for the opponents in the season. These tags are described later in this document.

```
<opponent>
```

Notes:

<player>

The <player> tag contains information and statistics for a player on the team. Attributes of the <player> tag are:

```
<player name="Crawford" checkname="CRAWFORD" gp="2" gs="2"
      bats="R" throws="R" class="JR" active="Y" pos="SS">
  <hitting ab="142" r="50" h="59" rbi="58" double="18" triple="0" hr="14" bb="32" so="19"
    ibb="10" hbp="8" kl="7" sb="1" cs="1" sh="0" sf="3" rchci="0" gdp="4" picked="1"
    hitdp="5"
    http="0" bavg=".415" slugpct=".838" obpct=".535"></hitting>
  <fielding po="30" a="74" e="8" pb="0" ci="0" sba="0" csb="0" indp="7" intp="0"
    fldpct=".929"></fielding>
  <pitching app="2" gs="2" win="1" loss="0" save="0" cg="0" sho="0" cbo="0" gf="0"
    ip="11.2" h="9" r="3" er="2" bb="2" k="7" double="2" triple="0" hr="0" era="1.54"
    bavg=".200"
    ab="45" bf="48" wp="2" hbp="1" bk="0" sfa="0" sha="0" cia="0" kl="1" ibb="0"></pitching>
</player>
```

Attribute	Description
code	player code
uni	uniform number
name	player name
checkname	last, first for verification (optional)
gp	games played
gs	games started
class	FR, SO, JR, SR
pos	position
bats	R=right, L=left, B=both (switch-hitter)
throws	R=right, L=left
active	Y=active on roster, N=inactive

Notes:

<hitting>

The <hitting> tag contains a summary of hitting statistics for the game and can appear within team <totals> or for an individual <player>.

```
<hitting gp="39" gs="39" ab="142" r="50" h="59" rbi="58" double="18" triple="0" hr="14" bb="32"
so="19"
  ibb="10" hbp="8" kl="7" sb="1" cs="1" sh="0" sf="3" rchci="0" gdp="4" picked="1" hitdp="5"
  http="0" bavg=".415" slugpct=".838" obpct=".535"></hitting>
```

Attribute	Description
gp	games played
gs	games started
ab	at bats
r	runs scored
h	hits
rbi	runs batted in
double	doubles
triple	triples
hr	home runs
bb	walks (includes intentional walks)
ibb	intentional walks
so	strikeouts (includes strikeouts looking)
kl	strikeouts looking
hbp	hit by pitch
sb	stolen bases
cs	caught stealing
sh	sacrifice hits
sf	sacrifice flies
rchci	reached on catchers interference
rcherr	reached on an error
rchfc	reaches on a fielders choice
gndout	ground outs
flyout	fly outs
gdp	grounded into double play
pickoff	picked off
hitdp	total number of double plays (of any kind)
bavg	batting average
slugpct	slugging percentage
obpct	on base percentage

Notes: All numeric fields default to '0' if not included in the output.

<fielding>

The <fielding> tag contains a summary of fielding statistics for the game and can appear within team <totals> or for an individual <player>.

```
<fielding po="265" a="16" e="4" pb="0" ci="0" sba="1" csb="1" indp="21" intp="0"
fldpct=".986"></fielding>
```

Attribute	Description
po	putouts
a	assists
e	errors
pb	passed balls
ci	catchers interference
sba	stolen bases against
csb	caught stealing by
indp	involved in double-plays
intp	involved in triple-plays
fldpct	fielding percentage

Notes: All numeric fields default to '0' if not included in the output.

<pitching>

The <pitching> tag contains a summary of pitching statistics for the game and can appear within team <totals> or for an individual <player>.

```
<pitching appear="11" gs="6" win="2" loss="0" save="0" cg="0" sho="0" cbo="1" gf="1"
      ip="33.1" h="40" r="28" er="26" bb="13" k="30" double="13" triple="2" hr="6" era="7.02"
      bavg=".280"
      ab="143" bf="167" wp="2" hbp="9" bk="1" sfa="0" sha="2" ci a="0" kl="10"
      ibb="0"></pitching>
```

Attribute	Description
appear	number of appearances
win	wins
loss	losses
save	saves
gs	games started
cg	complete games
sho	shutouts
cbo	credit for combined shutout
gf	games finished
ip	innings pitched
h	hits allowed
r	runs allowed
er	earned runs allowed
bb	walks allowed (includes intentional walks)
k	strikeouts (includes strikeouts looking)
bf	batters faced
ab	opponent at bats
double	doubles allowed
triple	triples allowed
hr	home runs allowed
wp	wild pitches
bk	balks
hbp	hit batters
kl	strikeouts looking
ibb	intentional walks
inheritr	inherited runners
inherits	inherited runners that scored
bavg	opponent batting average
era	earned run average

Notes: All numeric fields default to '0' if not included in the output.

<hsitsummary>

The <hsitsummary> tag defines a summary of hitting situation statistics a <player> or for a <team> in a. Attributes include:

```
<hsitsummary rcherr="6" rchfc="0" ground="8" fly="11" w2outs="3, 14" wrunners="4, 15" wrbiops="3, 11"
  vsleft="6, 36" vsright="0, 0" leadoff="3, 9" rbi3rd="1, 2" wloaded="0, 0" advops="8, 16"
  pinchhit="0, 0"
  adv="3" lob="7" rbi-2out="1"></hsitsummary>
```

Attribute	Description
rcherr	times reached base on an error
rchfc	times reached base on a fielders choice
rchci	times reached base on catchers interference
ground	times grouded out
fly	times flied out (includes pop, line outs)
w2outs	hits-ab with 2-outs
wrunners	hits-ab with runners on base
wrbiops	hits-ab with runners in scoring position
vsleft	hits-ab vs left-handed pitchers
vsright	hits-ab vs right-handed pitchers
leadoff	success-opportunites as leadoff batter in inning
rbi3rd	success-opportunities to drive in a runner from 3rd with less than 2 outs
advops	number of runners advanced-ab
wloaded	hits-ab with bases loaded
pinchhit	hits-ab as pinch hitter
adv	number of times advanced at least 1 runner with an out
lob	runners left on base
rbi-2out	2-out RBIs

<psitsummary>

The <psitsummary> tag defines a summary of pitching situation statistics a <player> or for a <team> in a. Attributes include:

```
<psitsummary fly="4" ground="13" picked="0" leadoff="6, 8" wrunners="3, 18"
  vsleft="3, 10" vsright="7, 19" w2outs="0, 5"></psitsummary>
```

Attribute	Description
fly	fly outs allowed (includes pop, line outs)
ground	ground outs allowed
picked	runners picked off
leadoff	success-opportunites against leadoff batters
wrunners	hits-ab with runners on base
vsleft	hits-ab vs left-handed batters
vsright	hits-ab vs right-handed batters
w2outs	hits-ab with 2-outs

<games>

The <games> tag begins a series of <game> tags that contain game results for the team. Attributes in each <game> tag are:

```
<games>
  <game number="14" gameid="99-14" date="Mar 05, 1999"
    oppcode="797" oppid="UWM" oppname="Wisconsin-Milwaukee"
    site="Lincoln, Neb." stadium="Buck Beltzer Field"
    ownscore="7" oppscore="4" attend="63"></game>
  <game number="15" gameid="99-15" date="Mar 09, 1999"
    oppcode="169" oppid="CU" oppname="Creighton"
    site="Waco, Texas" stadium="Ferrell Field"
    ownscore="4" oppscore="2" attend="279"></game>
</games>
```

Attribute	Description
number	game number in the season
gameid	game identifier
date	game date (format as MM/DD/YYYY where possible)
oppcode	opponent team code
oppname	opponent team name
oppid	opponent team id
site	site of game
ownscore	points scored by team
oppscore	points scored by opponents
homeaway	"H" indicates home, "A" indicates away, "N" indicates neutral site
dh	1=1st game of double-header, 2=2nd game of double-header
attend	attendance

Notes:

Change history:

Version 1.1.1

Format date as MM/DD/YYYY where possible

Version 1.1.2

Add "gp" to <totals> tag

Add "w", "l" and "t" attributes to the <totals> tag

Move "gp" and "gs" attributes from <hitting> tag to the <player> tag