2010 FIFA World Cup South Africa™
Summary Report
2010 FIFA World Cup South Africa™
Technical Area
Goal decisions

2010 FIFA World Cup South Africa™ (64 matches)
Total goals: 145

Correctly Allowed: 142
Incorrectly Allowed: 3
Correctly Disallowed: 13
Incorrectly Disallowed: 2
Goal decisions

- INCORRECT DECISIONS: 3.12%
- CORRECT DECISIONS: 96.88%
Goals correctly disallowed

100% CORRECTLY DISALLOWED GOALS FOR OFFSIDE (13)

Match 01: RSA-MEX
Match 31: CHI-SUI
Match 34: FRA-RSA
Match 37: SVN-ENG
Match 40: AUS-SRB
Match 40: AUS-SRB
Match 41: SVK-ITA
Match 59: ARG-GER
Match 57: NED-BRA
Match 54: BRA-CHI
Match 48: SUI-HON
Match 46: PRK-CIV
Goal line decisions

2010 FIFA World Cup South Africa™ (64 matches)

Shots on goal
- Total: 663
- Goal line decisions: 5

4 CORRECT DECISIONS
1 INCORRECT DECISION
Goal line decisions

4 CORRECT DECISIONS

1 INCORRECT DECISION

Match 9: NED-DEN
Match 41: SVK-ITA
Match 52: ARG-MEX
Match 58: URU-GHA
Match 51: GER-ENG
Penalty Area Incidents

65 penalty area incidents in 64 matches

Penalty NOT AWARDED

- 45 CORRECT DECISIONS
- 5 INCORRECT DECISIONS

Penalty AWARDED

- 15 CORRECT DECISIONS
- 100%
Cards per match - Comparison

GERMANY 2006
4.80
CARDS PER MATCH

SOUTH AFRICA 2010
3.82
CARDS PER MATCH

GERMANY 2006
0.44
CARDS PER MATCH

SOUTH AFRICA 2010
0.27
CARDS PER MATCH
“… and certainly referees have helped greatly by dealing even more strictly with foul play, for example the improper use of the elbow. Only 16% of the injuries at the 2010 FIFA World Cup were related to foul play, compared to 37% in 2002 and 40% in 2006”

Prof. Jiri Dvorak
FIFA Chief Medical Officer
2010 FIFA World Cup South Africa™
Physical Area
Overall improvement in Fitness Test performance

Overall results (2008 - 2010 period):

- Referees: 20.0%
- Assistant Referees: 15.7%
Overall improvement in Fitness Test performance

Speed test 6 x 40 m

Improvement in sprint time (secs):

- 2008: Referees 5.73, Assistants 5.62
- 2010: Referees 5.62, Assistants 5.55
Overall improvement in Fitness Test performance

Improvement in interval test (au):

- REFEREES
- ASSISTANT REFEREES

2008:
- 82.3
- 91.1

2010:
- 80.2
- 85.5
Overall improvement in Fitness Test performance

Improvement in recovery (bpm):
40m sprint time improvement:

- Referees improved by 0.12 sec. (-2.14%)
- Assistant Referees improved by 0.10 sec. (-1.80%)

Referees improved by 0.12 sec.
Assistant Referees improved by 0.10 sec.
2010 FIFA World Cup South Africa™
Biomechanical Analysis
Average distance of Referees from fouls

1st HALF: 14.3 m
2nd HALF: 14.8 m
TOTAL: 14.6 m
Average distance of Assistant Referees from offside line

1st HALF: 0.8 (m)
2nd HALF: 0.7 (m)
FULL TIME: 0.7 (m)
Average distance covered by Referees

- 1st HALF: 5209 m
- 2nd HALF: 4971 m
- TOTAL: 10180 m
Average Distance by different speed ranges (Referees)

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Speed Range</th>
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<tbody>
<tr>
<td>Low Intensity</td>
<td>&lt; 3.6 m/s</td>
</tr>
<tr>
<td>Medium Intensity</td>
<td>3.6 - 5.0 m/s</td>
</tr>
<tr>
<td>High Intensity</td>
<td>&gt; 5.0 m/s</td>
</tr>
</tbody>
</table>
Average distance covered by Assistant Referees

- **1st HALF**: 2791 m
- **2nd HALF**: 2680 m
- **TOTAL**: 5470 m
Average distance by different speed ranges (Assistant Referees)

- **Low Intensity**: < 3.6 m/s
- **Medium Intensity**: 3.6 - 5.0 m/s
- **High Intensity**: > 5.0 m/s
2010 FIFA World Cup South Africa™
Medical Area
Injury prevention

Number of preventive treatments (physiotherapy, acupuncture)

FWC 2006 GERMANY
199

FWC 2010 SOUTH AFRICA
265
Number of massage sessions and other (ex: taping)

FWC 2006 GERMANY
FWC 2010 SOUTH AFRICA
Number of injuries

During match:
- FWC 2006 Germany: 6
- FWC 2010 South Africa: 2

During training:
- FWC 2006 Germany: 8
- FWC 2010 South Africa: 2