



Fall examples

Version 1.0
11. Juli 2016

Terms and conditions

The main applicant and their collaborators must abide by these terms and conditions. Failure to comply with them will result on any future data sharing applications from the main applicant and/or their collaborators being refused by the FARSEEING team.

1. Data application

- Only the main investigator of the project is entitled to ask for data.
- The applicant and their collaborators must be bona fide academic researchers with an established scientific record, who must conduct high quality, ethical research when using FARSEEING data.
- The description of the project, analysis and publication of data must be as specific and focused as possible.
- Major changes to the project will require a new data sharing application.
- If the FARSEEING data user applies for funding once the application has been approved, and the grant application is based on FARSEEING data, they must inform the FARSEEING data manager.

2. Data usage and security

- Analyses are allowed only according to the project described in the application.
- The FARSEEING team should be informed of any new collaborators in the project.
- Data cannot be transferred to persons not working on the application project.
- Data users will not have sole and exclusive access to the data. The applicants of every different accepted proposal achieve the same real-world fall examples.
- Data errors must be notified to the FARSEEING contact person.
- Secure data access, such as passwords, firewalls, etc., must be in place to ensure that the data are kept secure.
- It is forbidden to match or attempt to match individual records to any other data.

3. Publications

- The name of FARSEEING study must be included in the publication.
- Each author must fulfill the criteria of the medical journal editors. If the project has received significant input from a FARSEEING consortium member then s/he may also be included as an author.
- The FARSEEING team should receive credit for the vast amount of work carried out to establish the FARSEEING resource throughout the years. Therefore, a suitable note of acknowledgement should be agreed with the FARSEEING consortium and should be along the following lines: "We thank all participating men and women in the FARSEEING project, as well as all FARSEEING research scientists, study and data managers and clinical and administrative staff who make the study possible."
- It is expected that the FARSEEING data manager will be updated on the progress of the project and will be sent all material accepted for publication.
- If requested, the applicant must prepare a summary of their main FARSEEING findings.

4. References

- All approved proposals appear at the Website so that all interested researchers will be aware of the ongoing projects.

Description of the fall data format

Each signal file has the same format described in this chapter.

Signal file name

The signal file name has the following structure:

F_31624321-01-2014-11-01-13-03-04.mat

Fall indicator Random ID ID-specific fall number Year-Month-Day-Hour-Minute-Second of the fall

Signal file data

Column	Description
1	Relative time in seconds
2	Absolute time in MATLAB time format (see below)
3	Acceleration signal along the x-axis [m/s ²]
4	Acceleration signal along the y-axis [m/s ²]
5	Acceleration signal along the z-axis [m/s ²]
6	Gyroscope signal along the x-axis [°/s]
7	Gyroscope signal along the y-axis [°/s]
8	Gyroscope signal along the z-axis [°/s]
9	Magnetometer signal along the x-axis [µT]
10	Magnetometer signal along the y-axis [µT]
11	Magnetometer signal along the z-axis [µT]
12	Fall indicator (see below)

Absolute time

The MATLAB time format uses an absolute time scale based on a reference date, counted in days. The reference date is January 1st 0000. Time is represented as a relative number based on one day (e.g. 12 am ≡ 0.5).

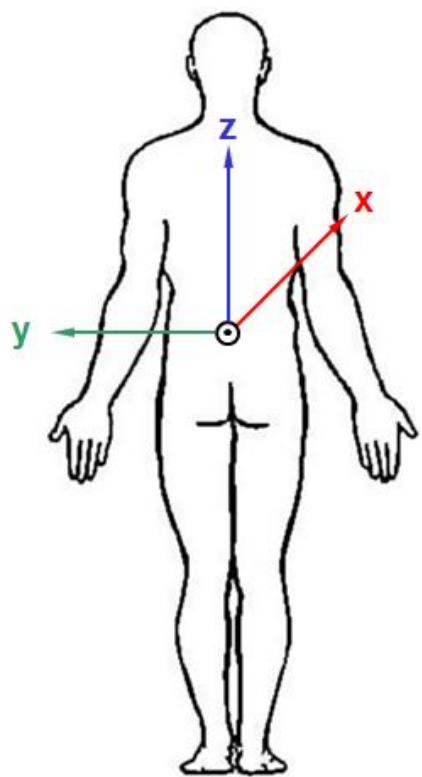
Fall indicator

0 indicates no fall event at that sample. A number between 1 and 4 indicates a fall event and the degree of verification certainty (1=25%, 2=50%, 3=75%, 4=100%).

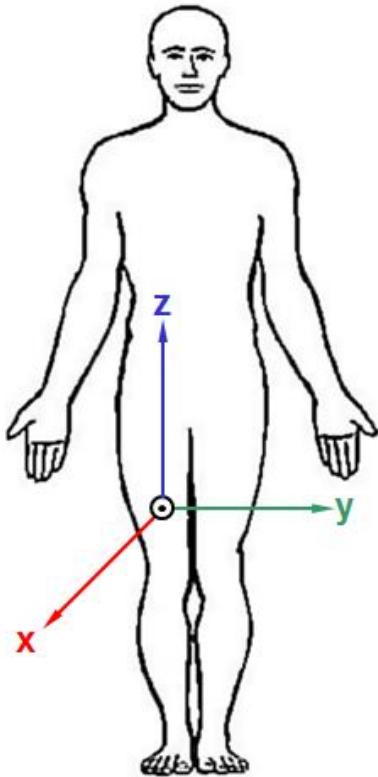
Fall signal orientation

A - lower back B - thigh

A



B



Fall no.: 04835861-01

Setting: Geriatric rehabilitation

Signal file: F_04835861-01-2013-10-16-13-19-35.mat

Personal characteristics

Gender: Male Age: 73 yrs Height: 171 cm Weight: 57 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: 0

Gait: 1 Cognition: 2

Emotional disturbance: 2 Vision: 2

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 16.10.2013 13:20:00 Fall time signal: 16.10.2013 13:19:35

Walking down the corridor, hooked into a handrail then fell down.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, corridor

Multiple impact: Unknown Fall on: Floor

Got up without help: No

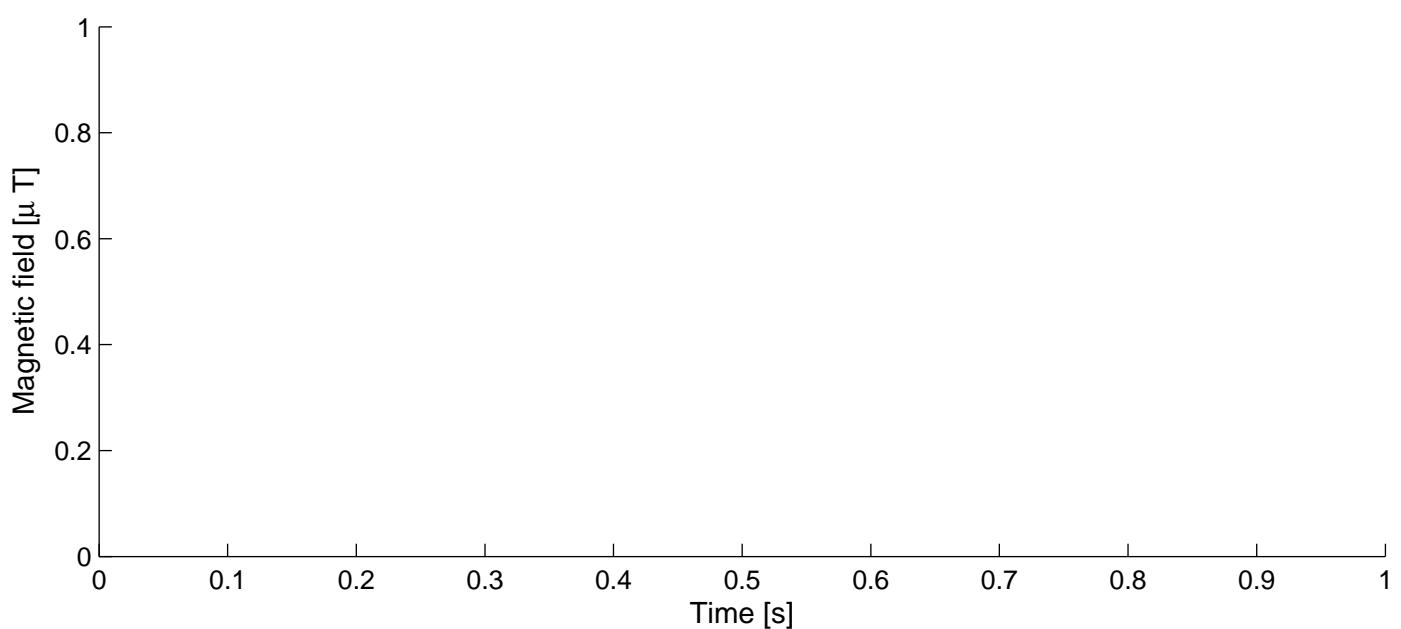
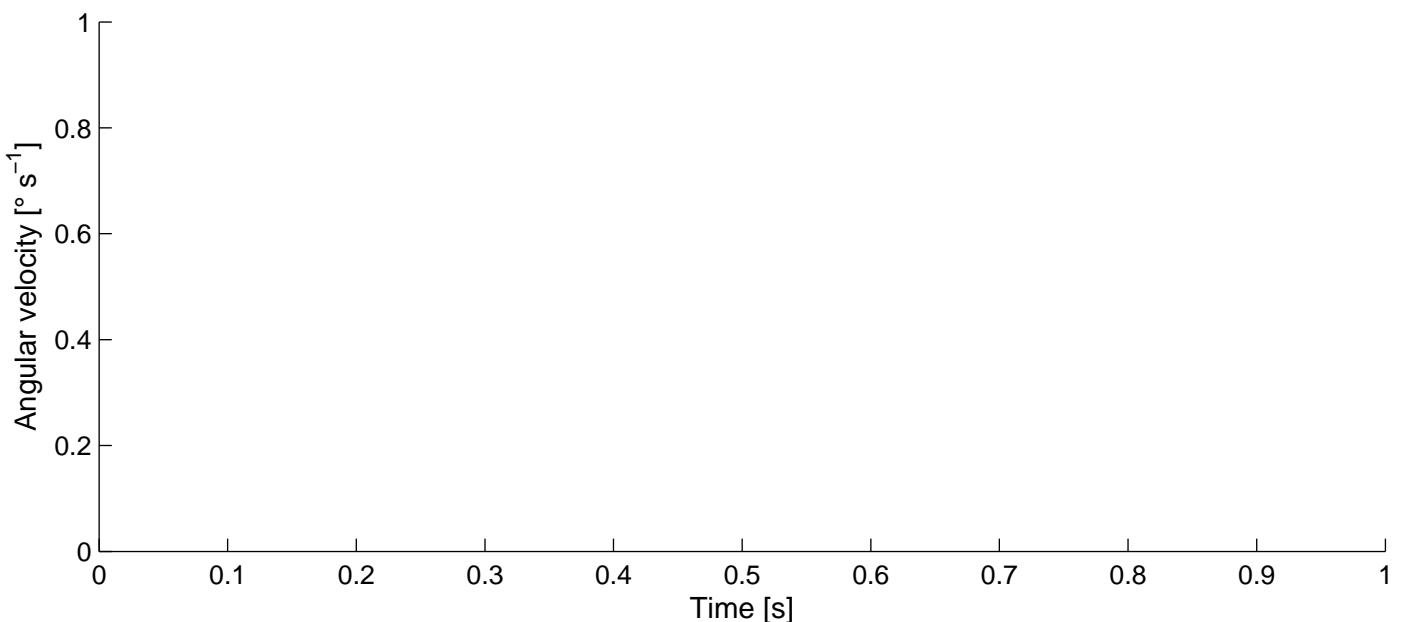
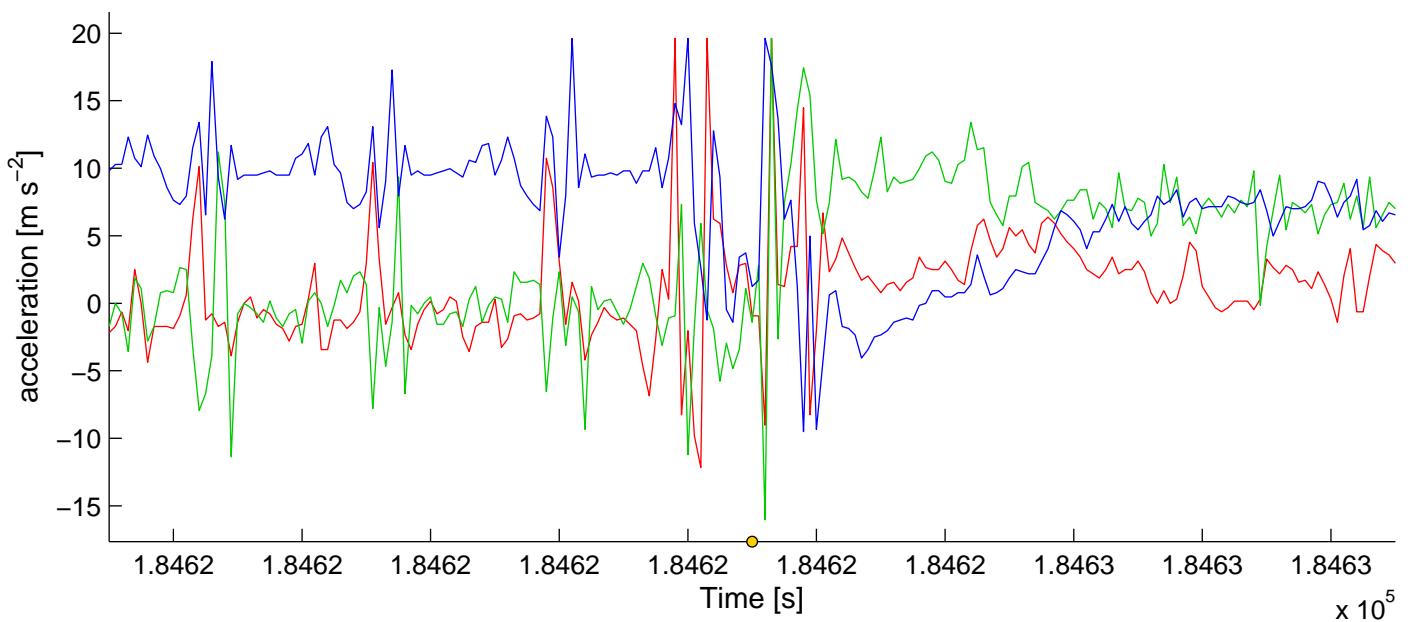
Injury: Yes Injury classification: B

Injury location: Arm Adopted measures: None

Injury description: Abrasions at the right elbow

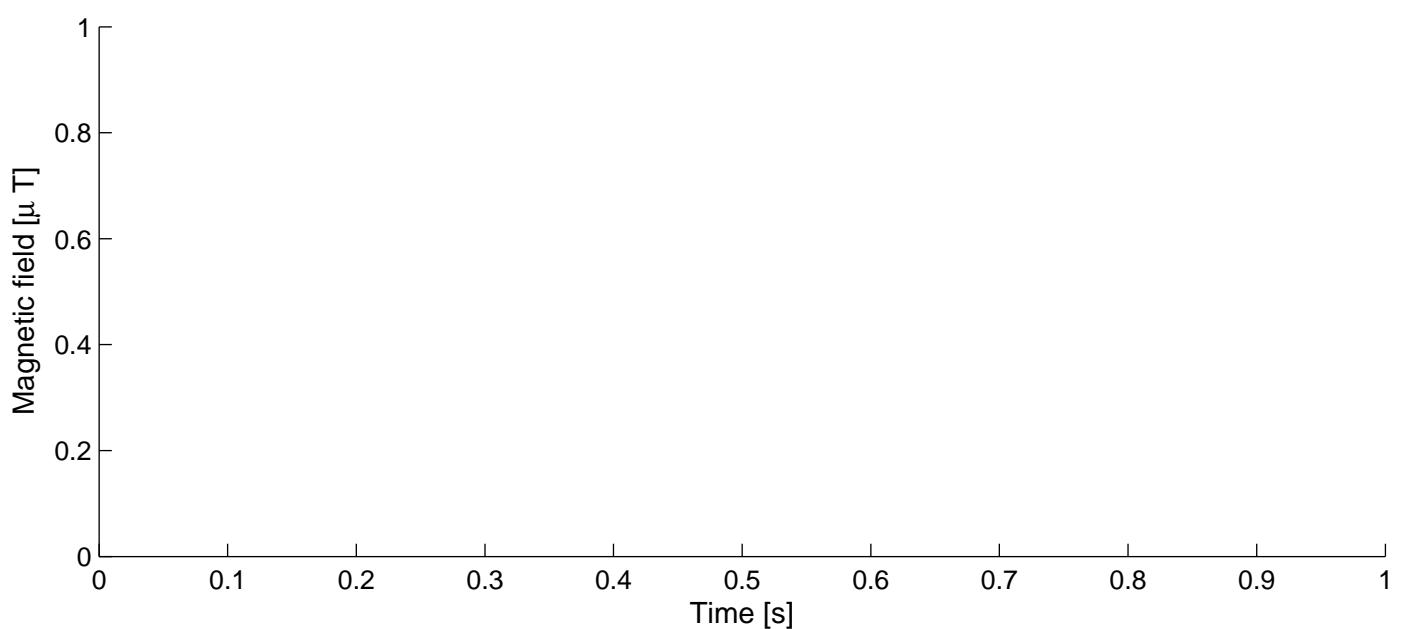
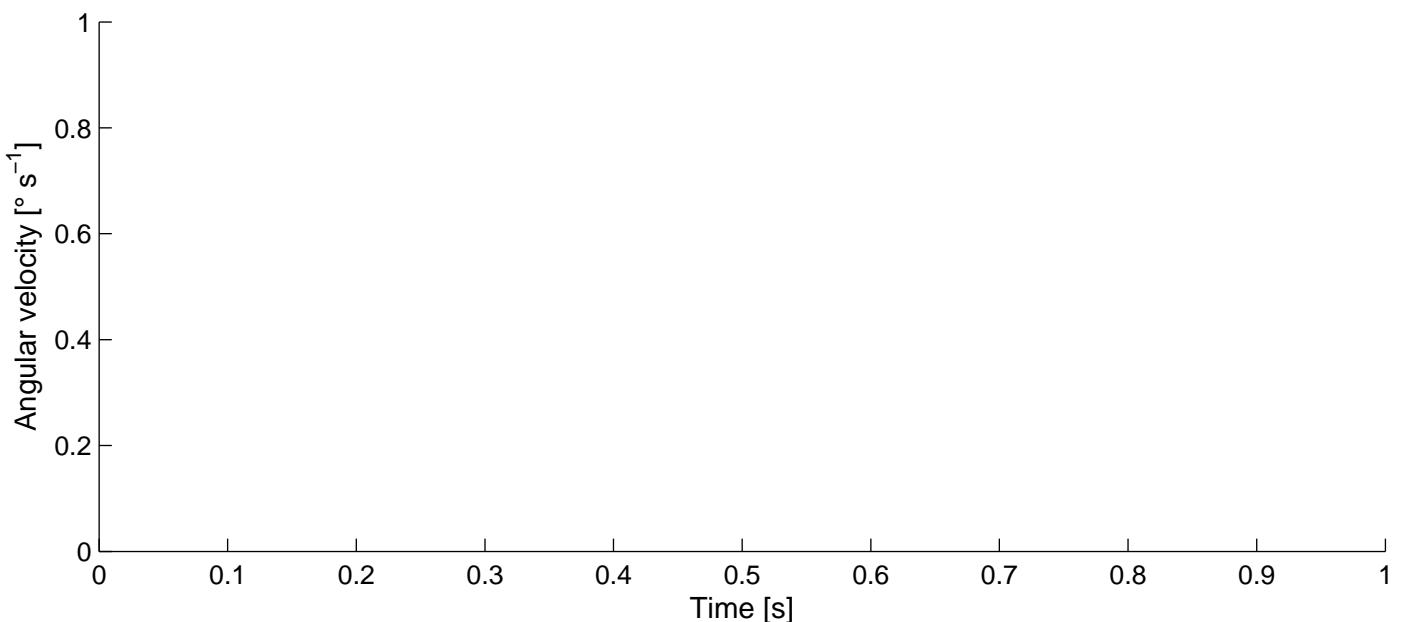
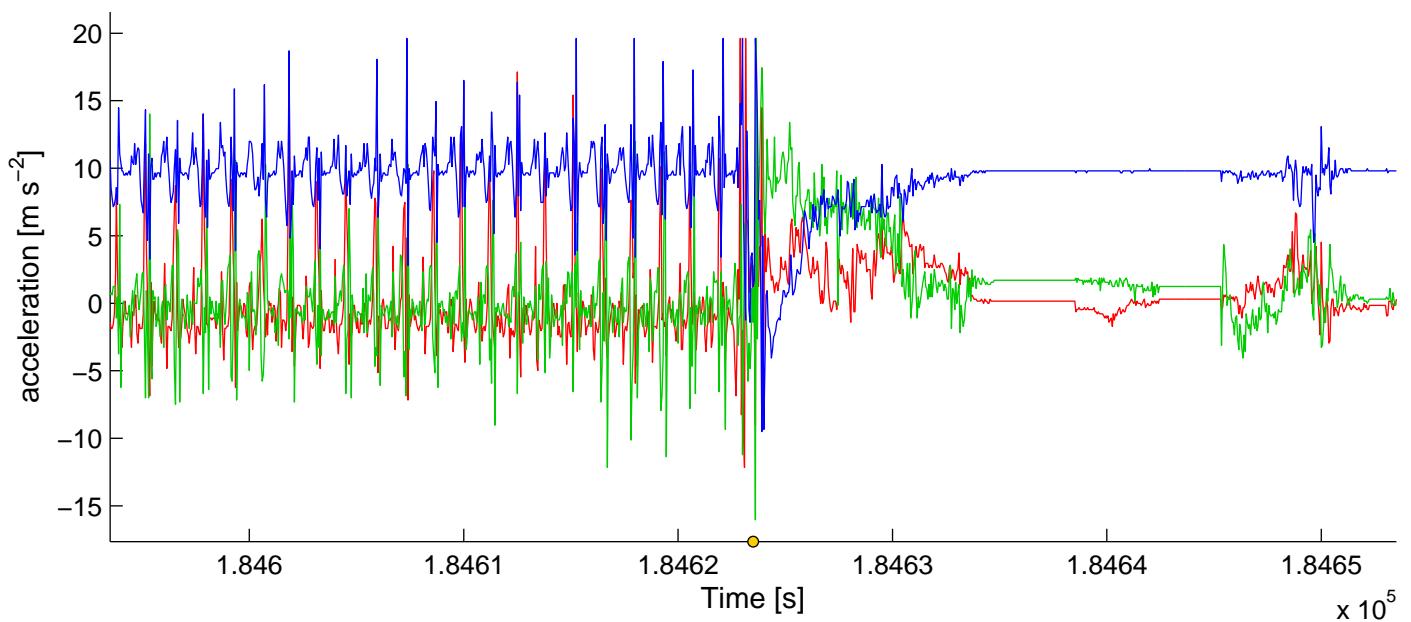
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Time window: 10 s



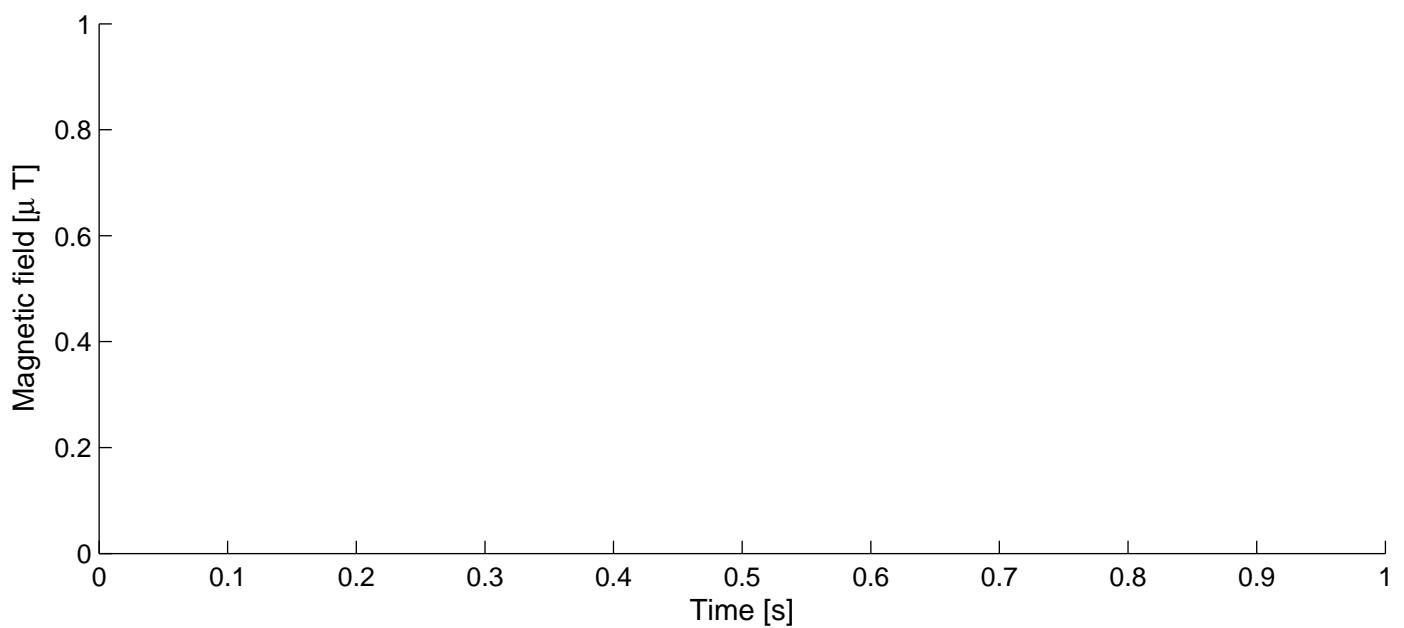
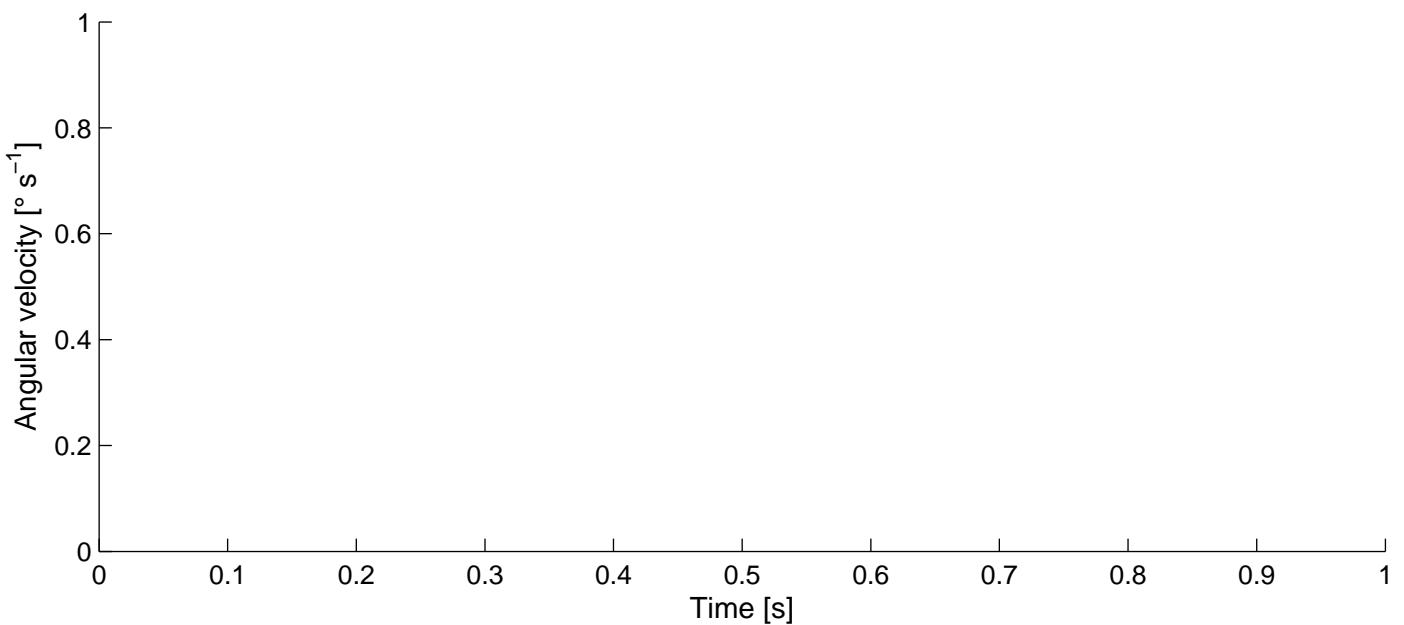
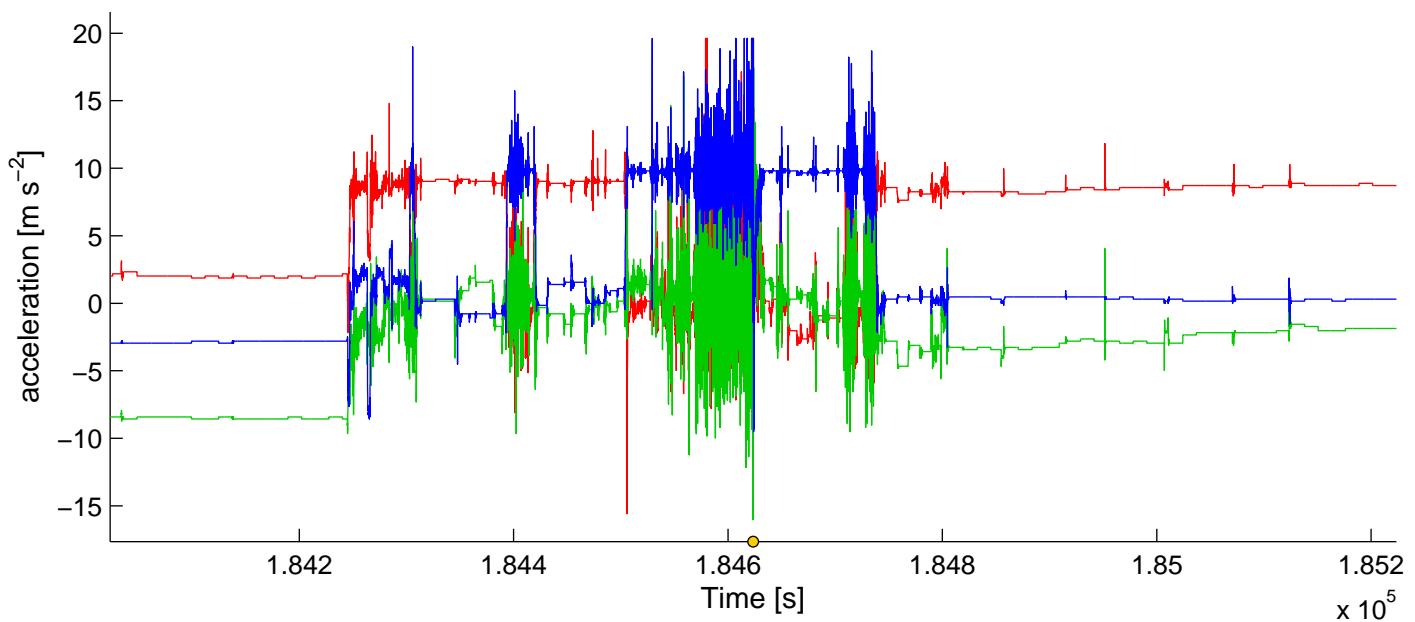
F_04835861-01-2013-10-16-13-19-35.mat

Time window: 60 s



F_04835861-01-2013-10-16-13-19-35.mat

Time window: 1200 s



Fall no.: 17744725-01

Setting: Community-dwelling

Signal file: F_17744725-01-2009-02-24-16-26-44.mat

Personal characteristics

Gender: Female Age: 65 yrs Height: 160 cm Weight: 74 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: 3

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 24.02.2009 16:25:00 Fall time signal: 24.02.2009 16:26:44

After walking with a wheeled walker, stood behind a chair, then fell backwards on the floor.

Witnessed: No Assistive device: Yes

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Day care center

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

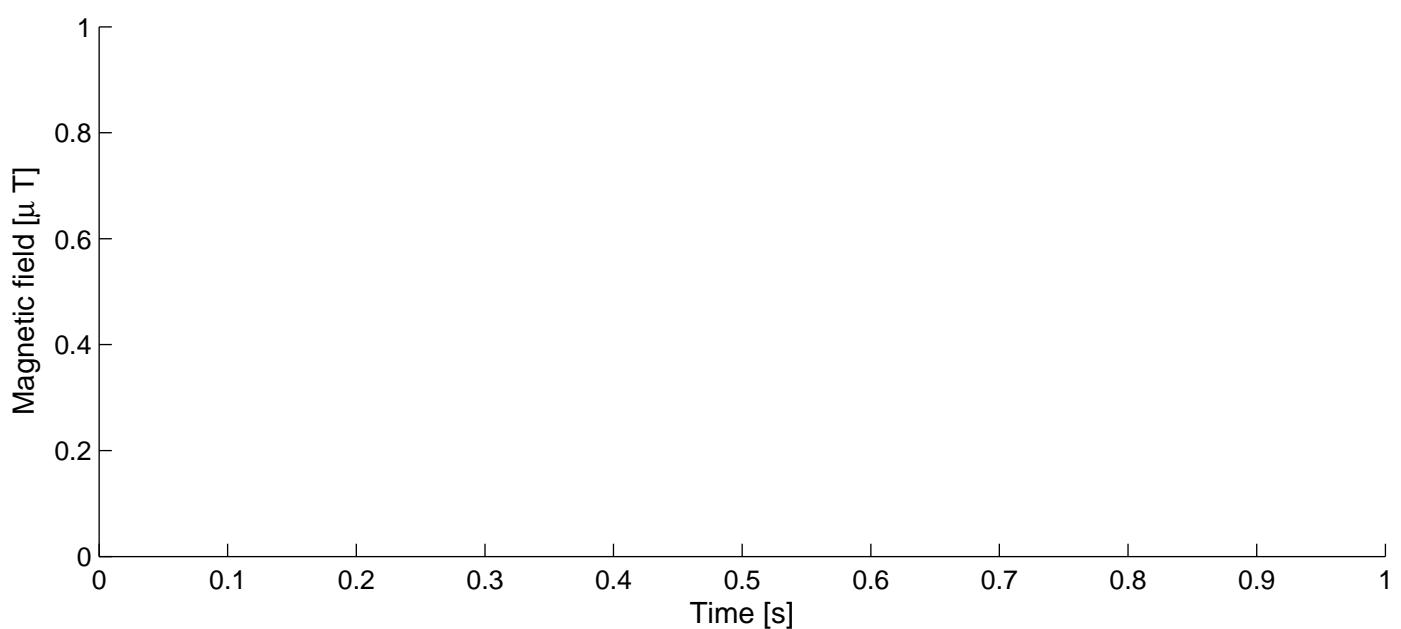
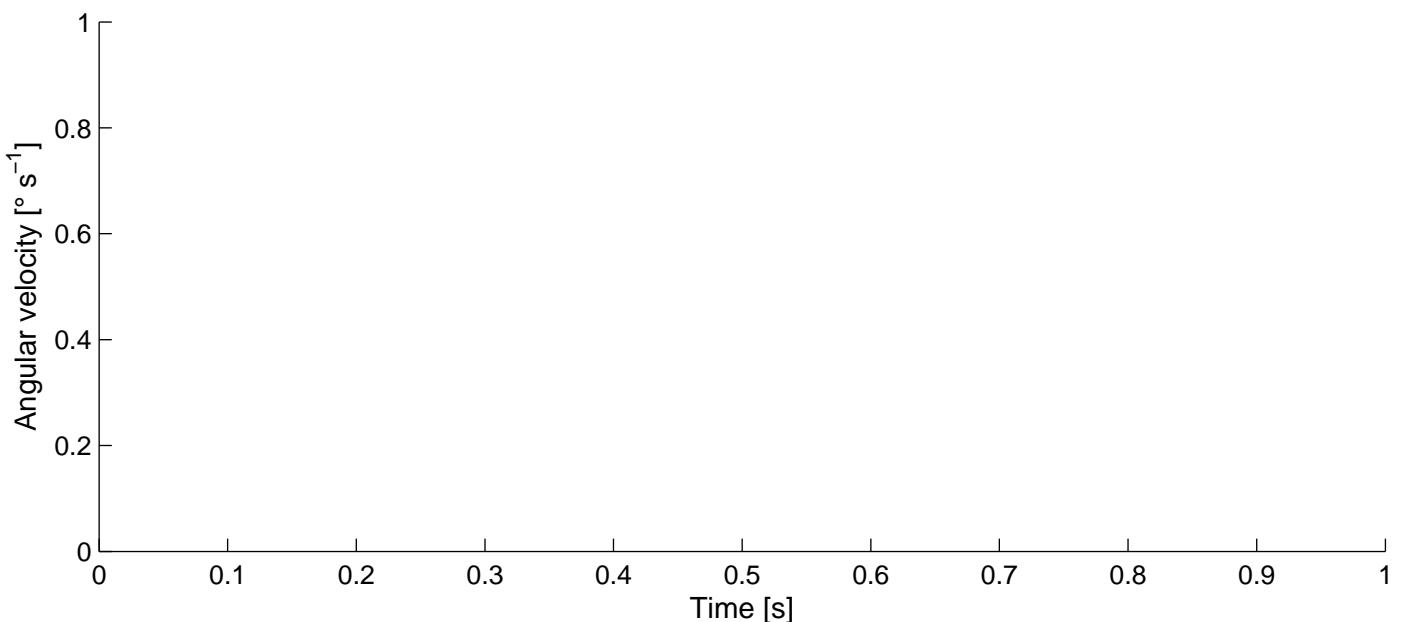
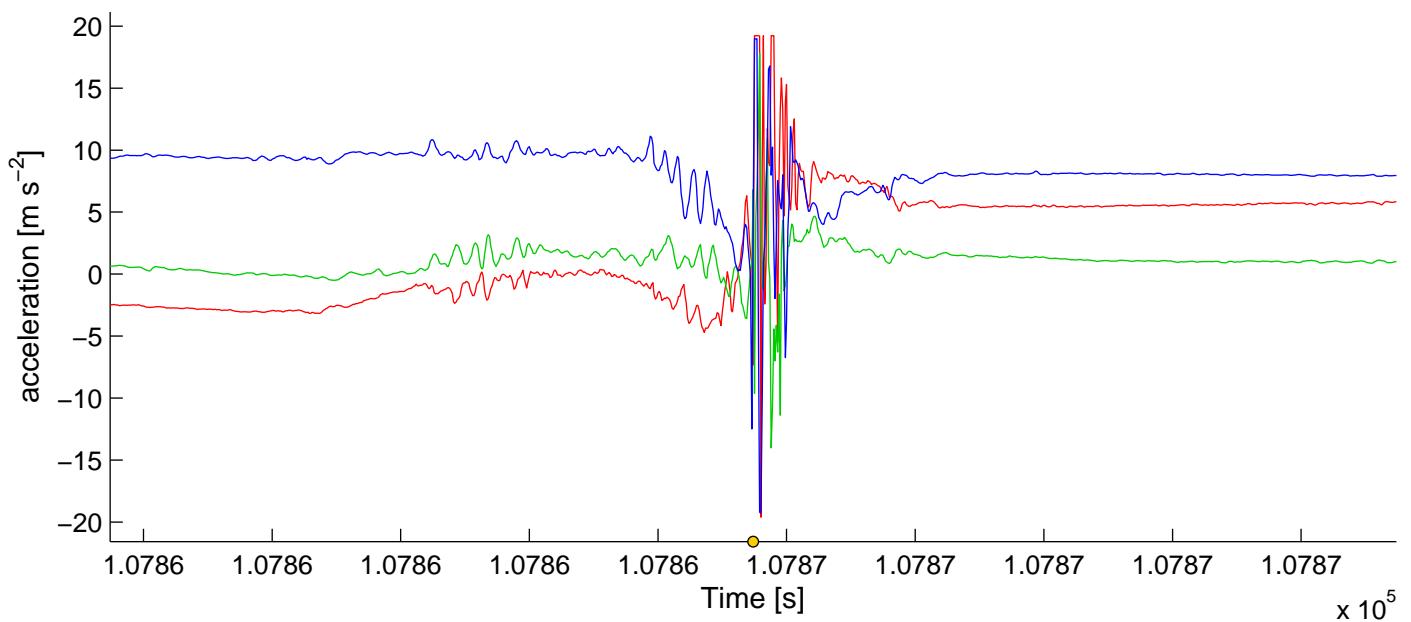
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

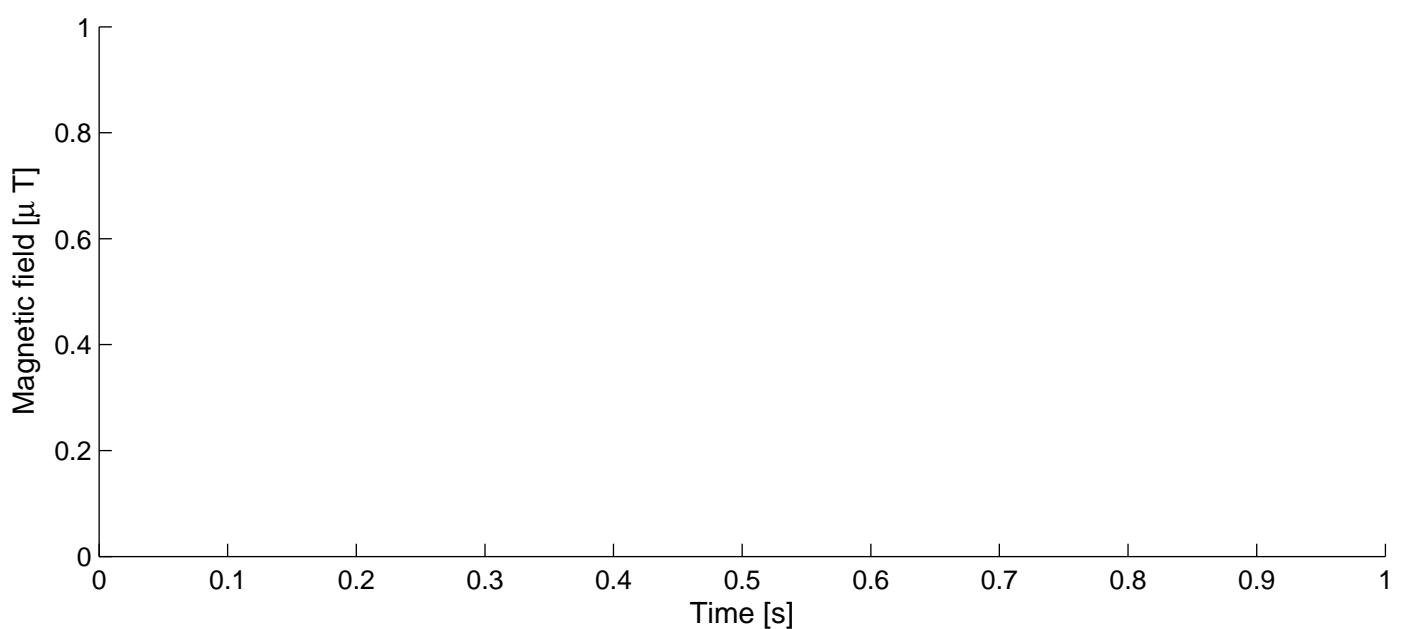
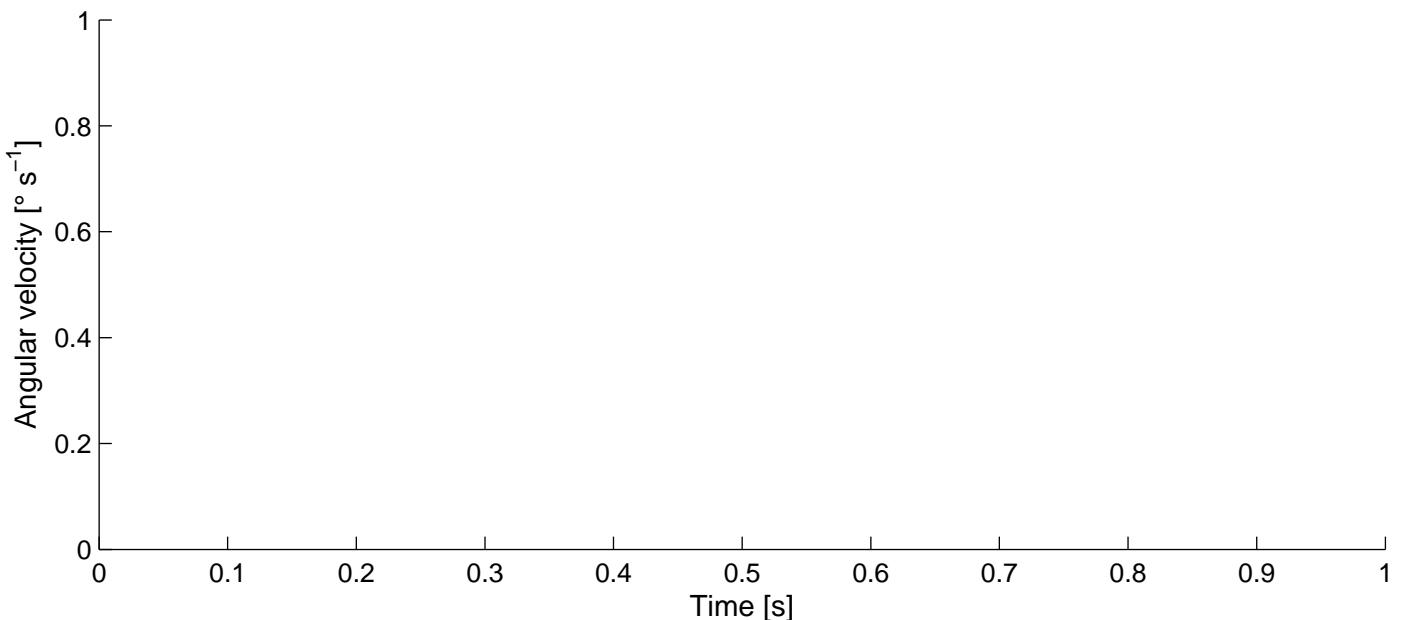
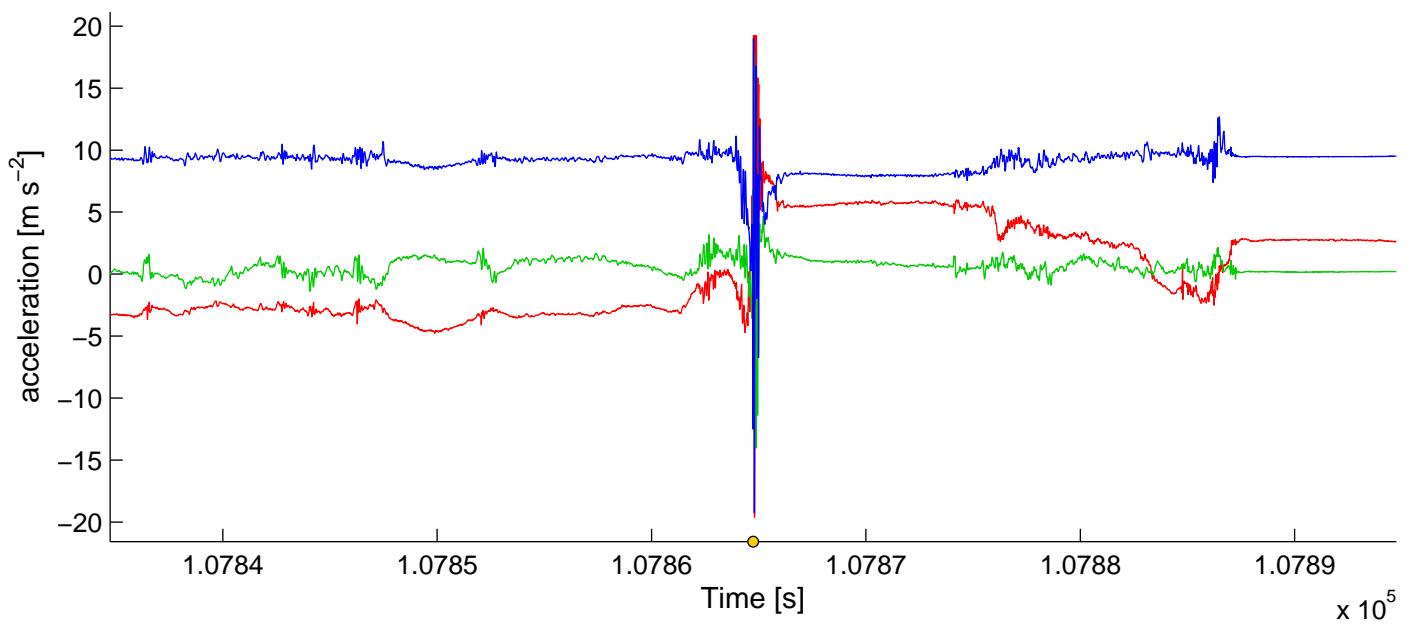
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Time window: 10 s



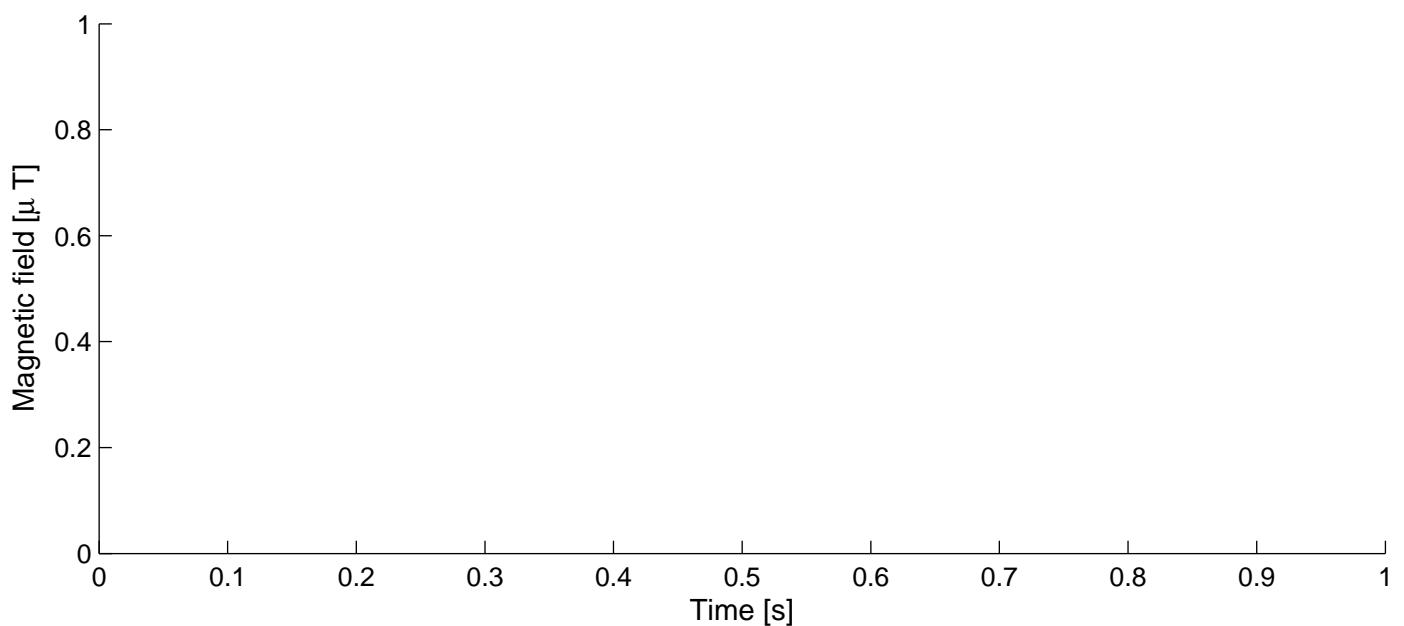
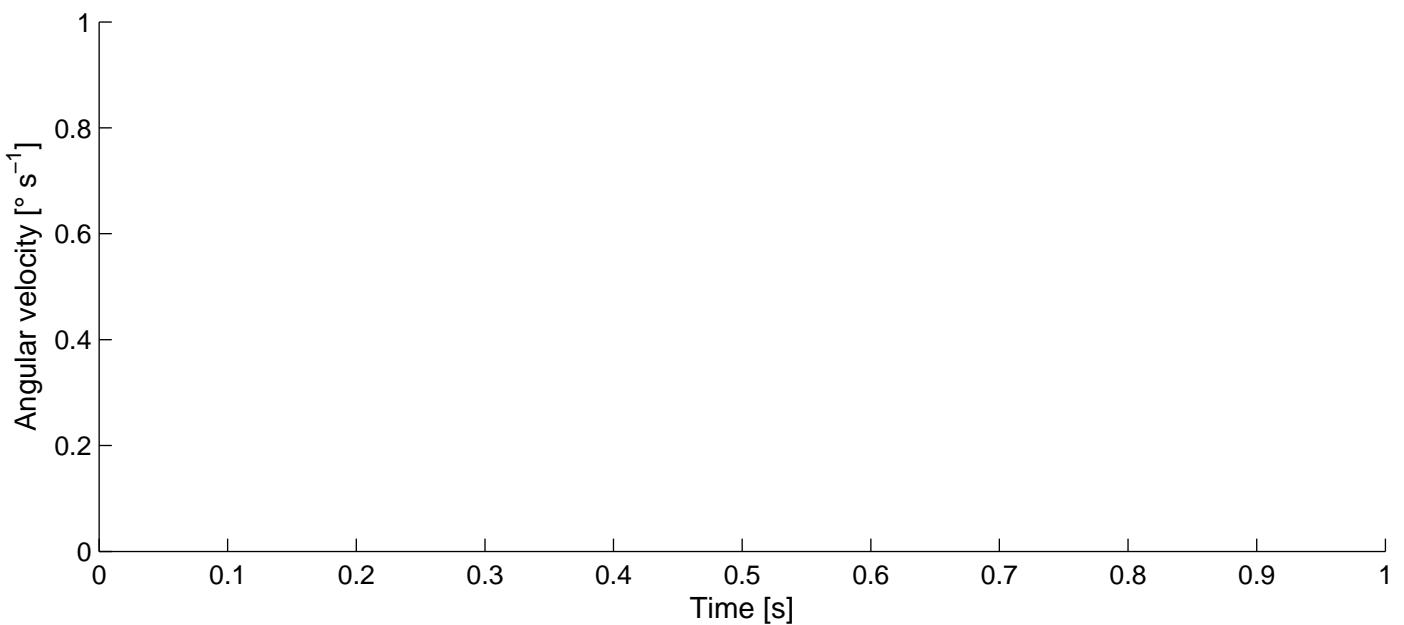
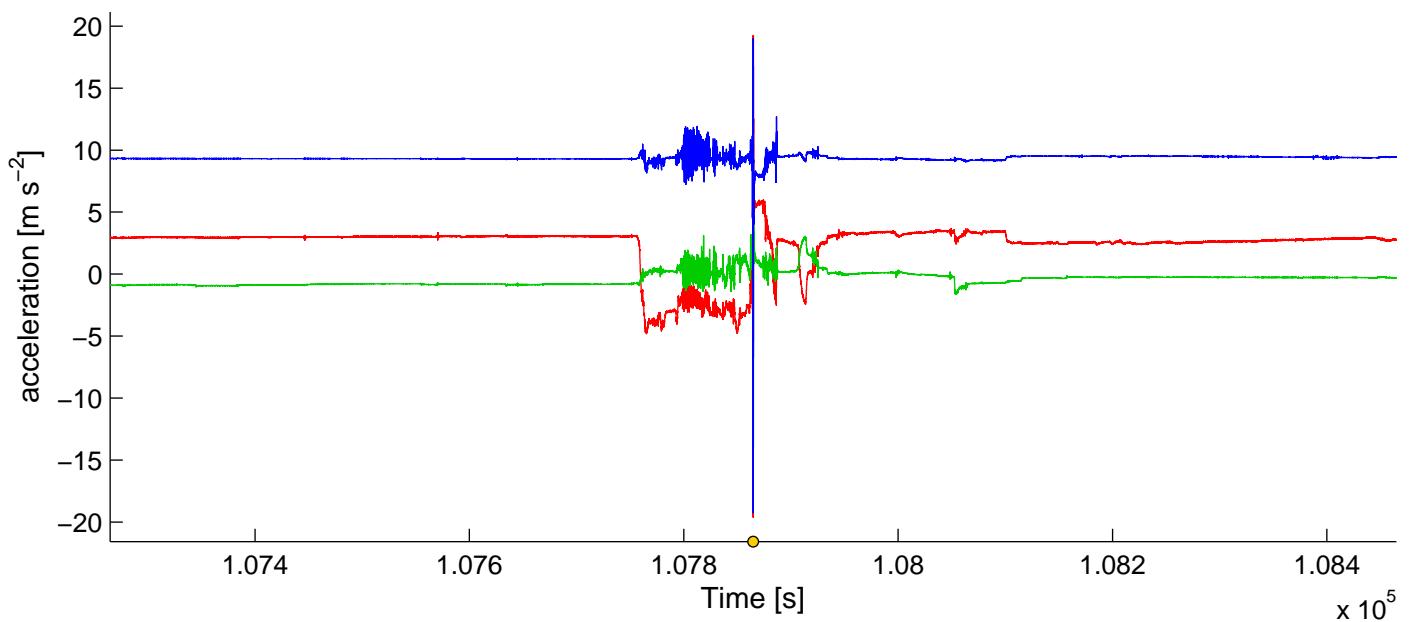
F_17744725-01-2009-02-24-16-26-44.mat

Time window: 60 s



F_17744725-01-2009-02-24-16-26-44.mat

Time window: 1200 s



Fall no.: 20983985-01

Setting: Geriatric rehabilitation

Signal file: F_20983985-01-2013-05-16-16-16-00.mat

Personal characteristics

Gender: Female Age: 70 yrs Height: 148 cm Weight: 51 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 2 Sit-to-stand transfer: 4

Gait: 3 Cognition: 1

Emotional disturbance: 2 Vision: 0

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 16.05.2013 16:15:00 Fall time signal: 16.05.2013 16:16:00

Wanted to bend forward to the ground for picking up an object.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Bending

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patient room

Multiple impact: Unknown Fall on: Floor

Got up without help: No

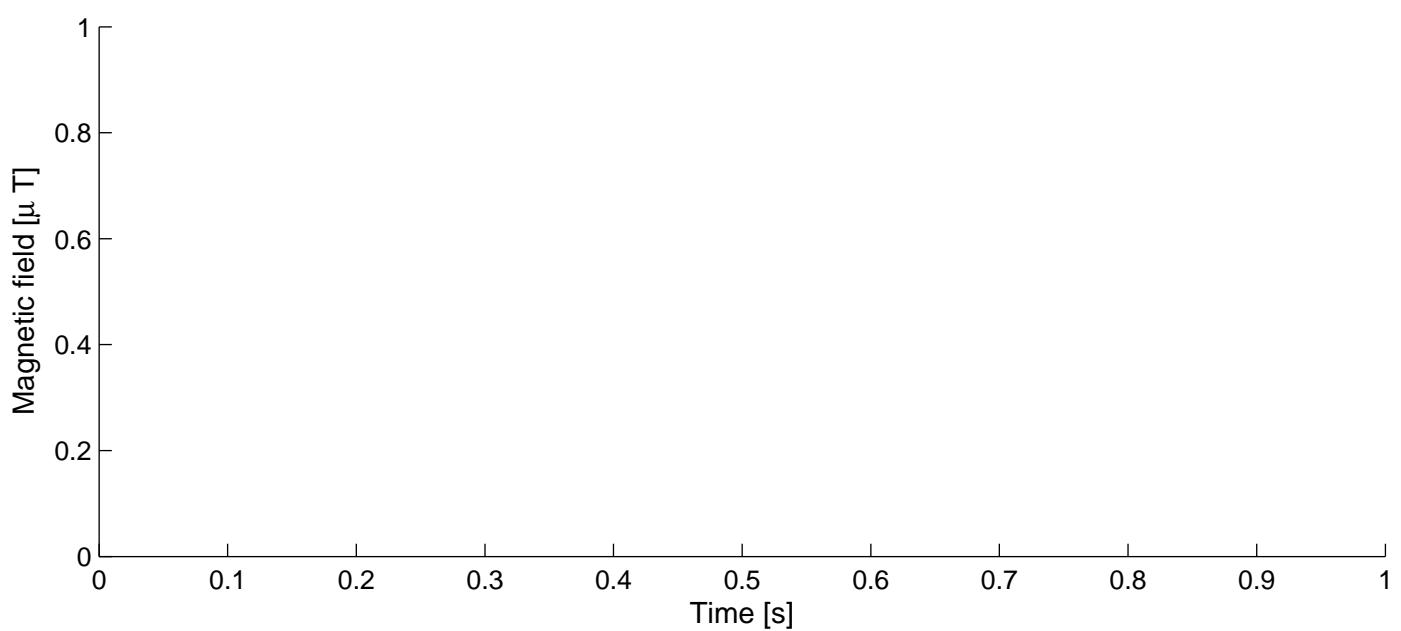
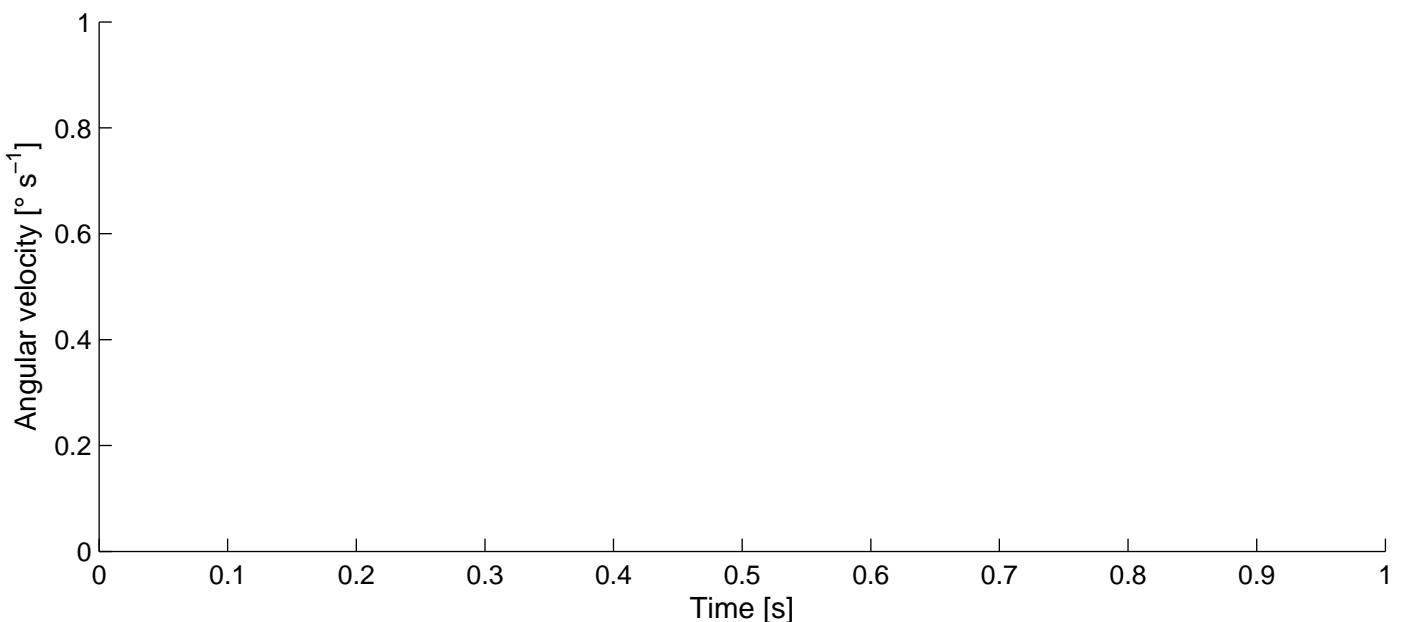
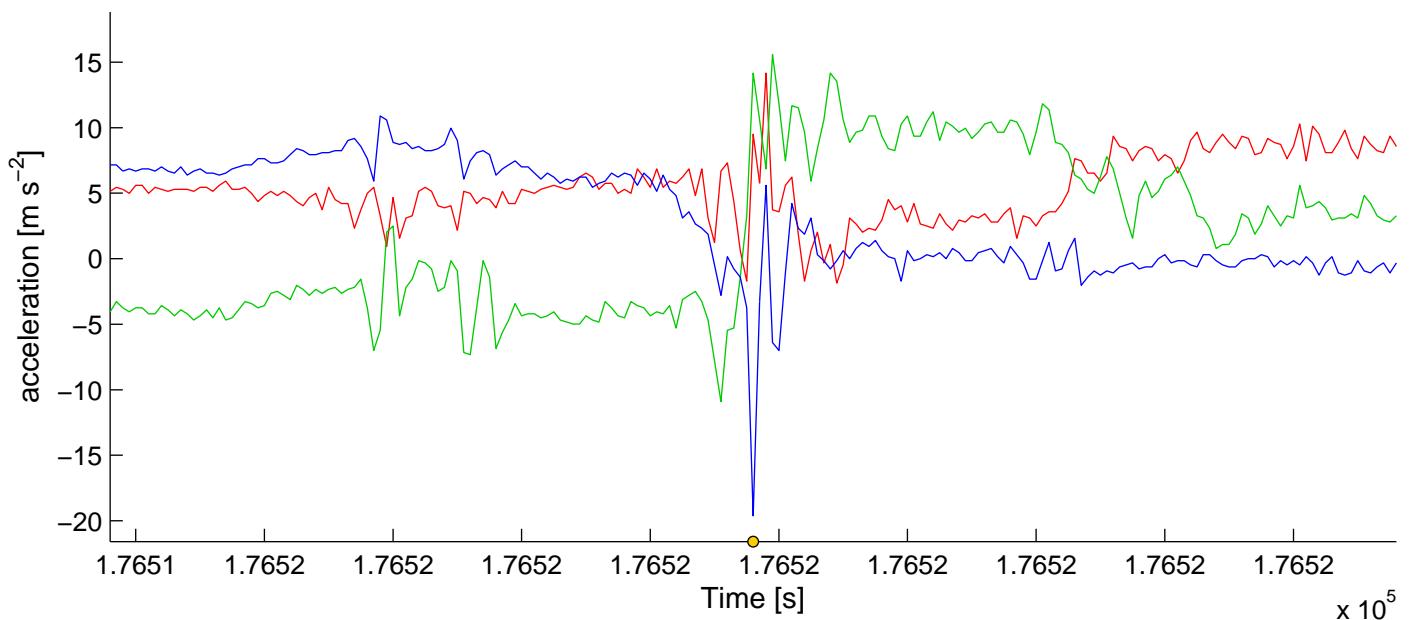
Injury: Yes Injury classification: B

Injury location: Arm Adopted measures: None

Injury description: NA

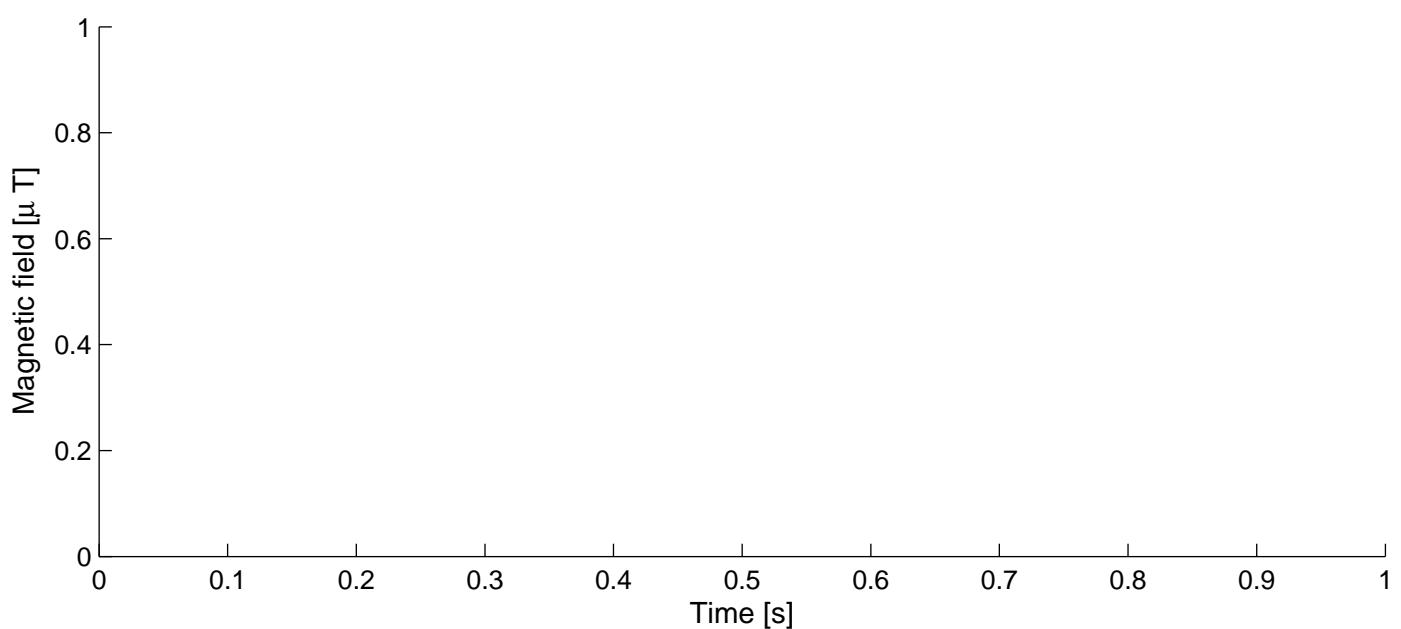
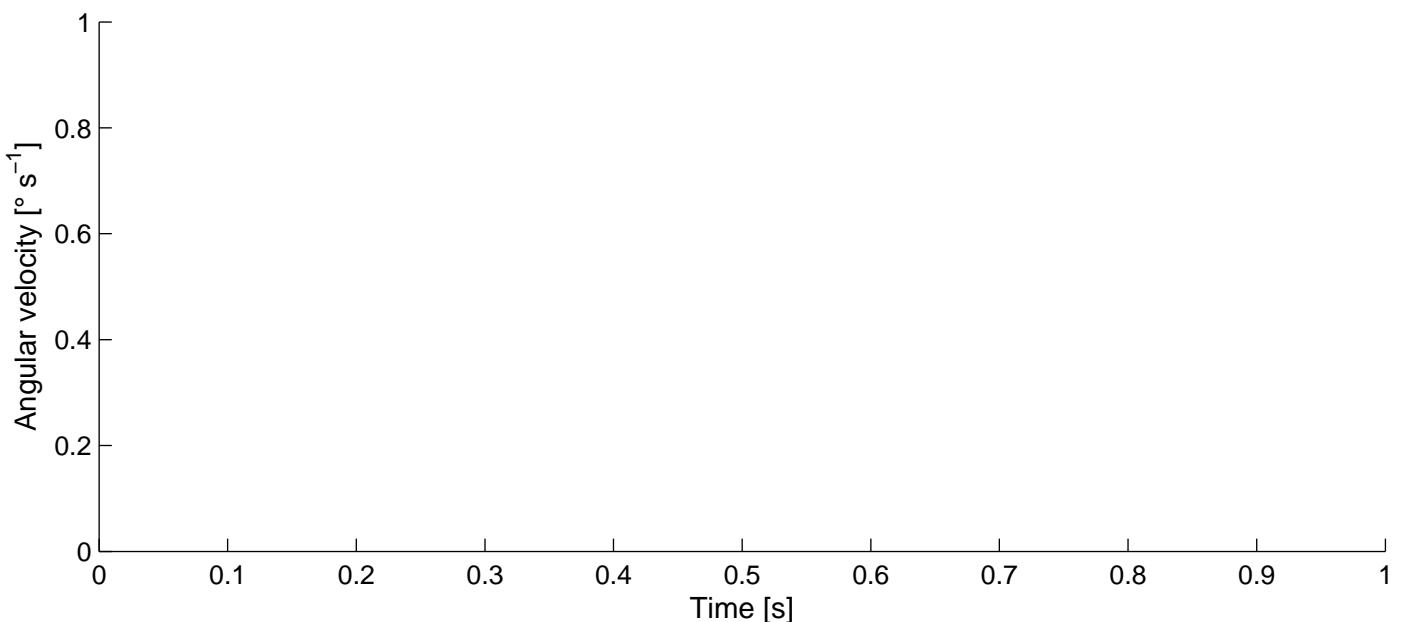
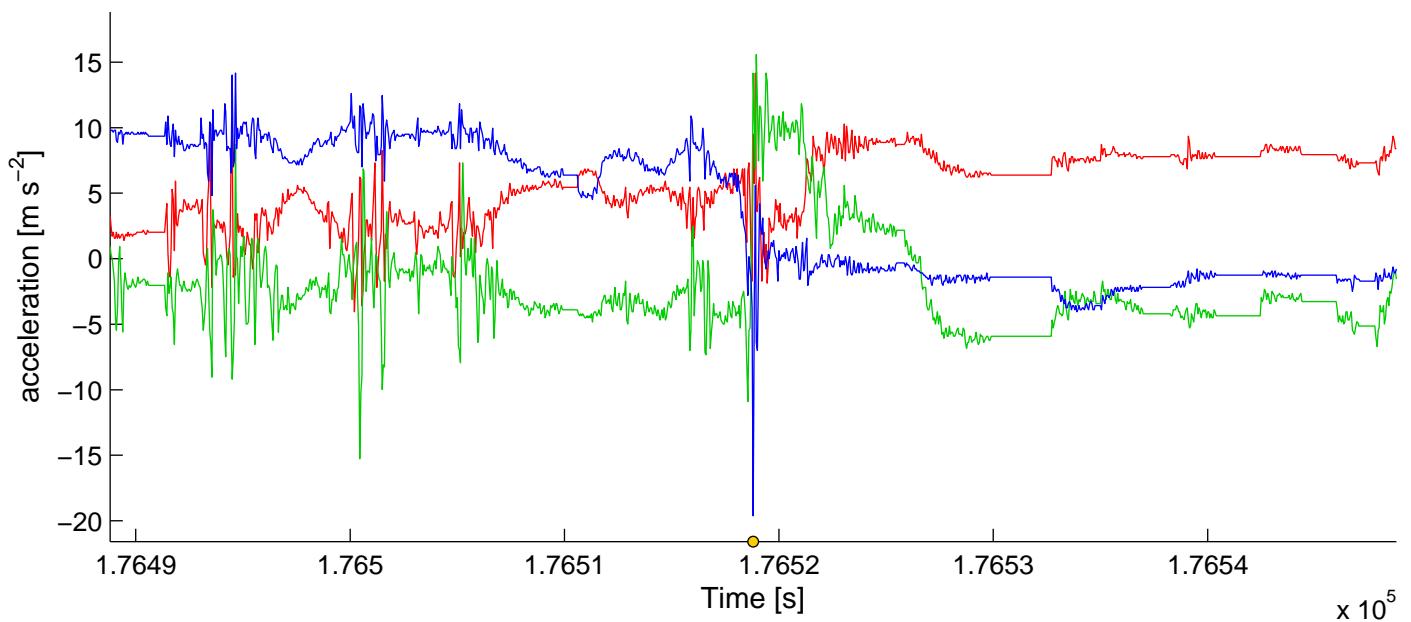
F_20983985-01-2013-05-16-16-00.mat

Time window: 10 s



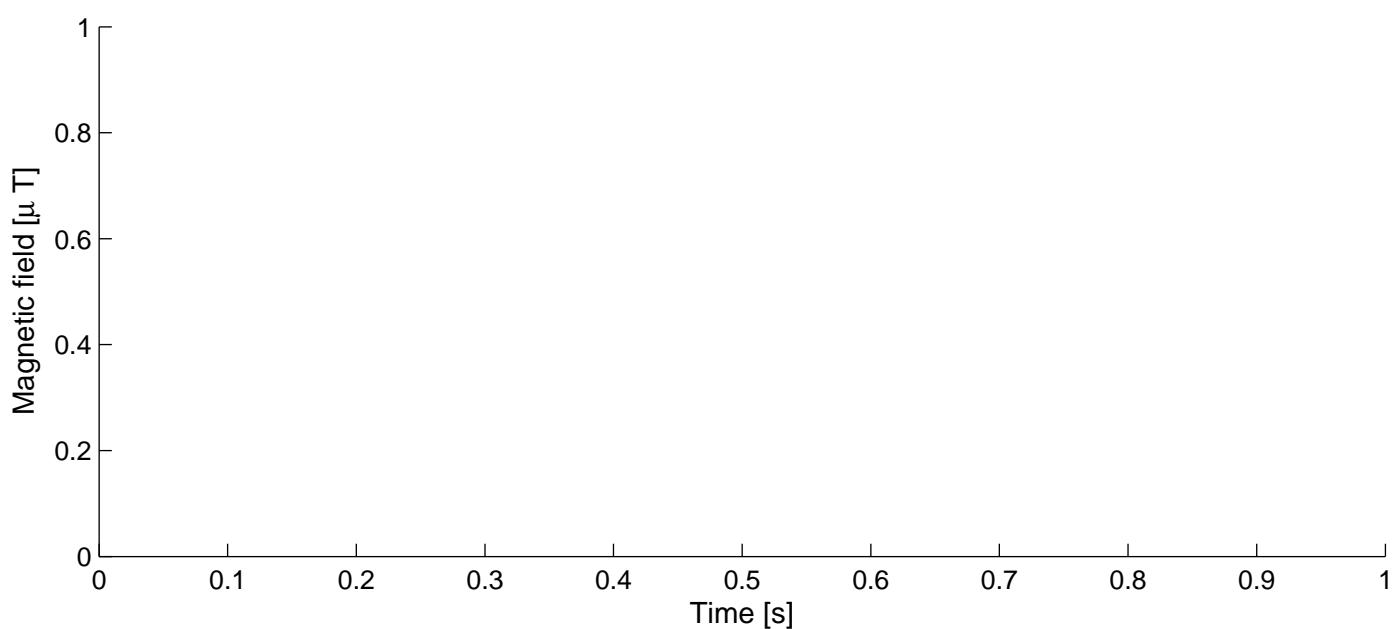
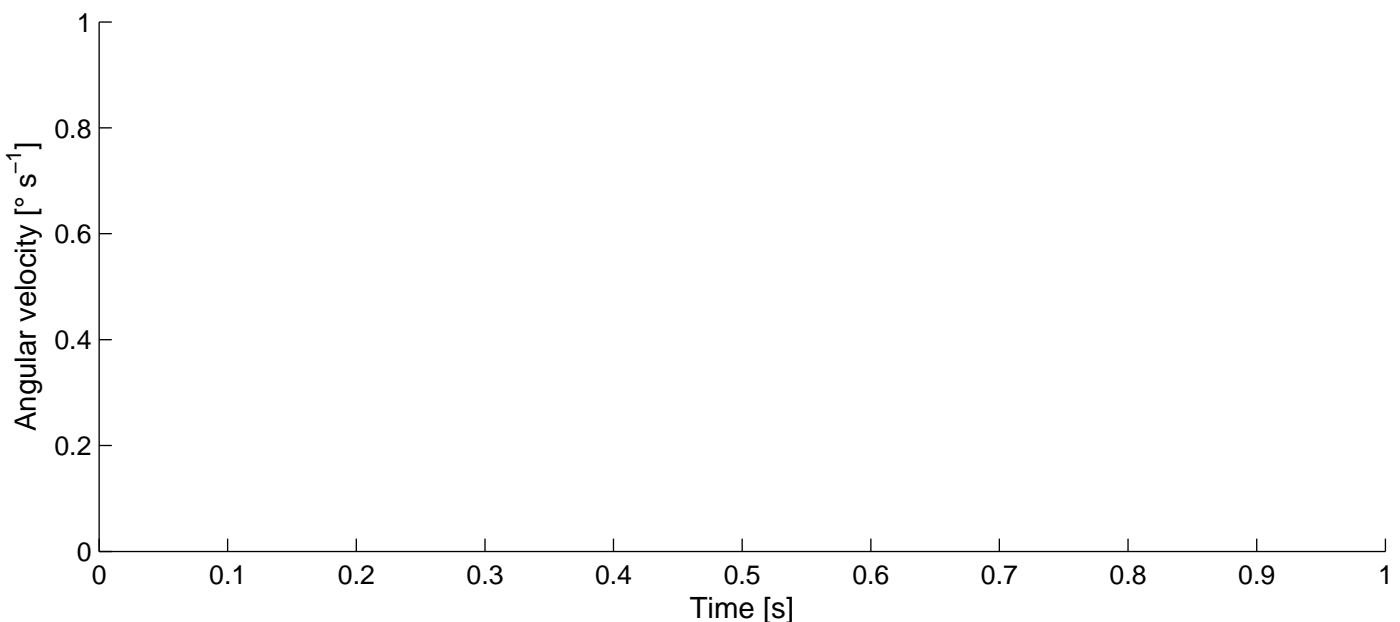
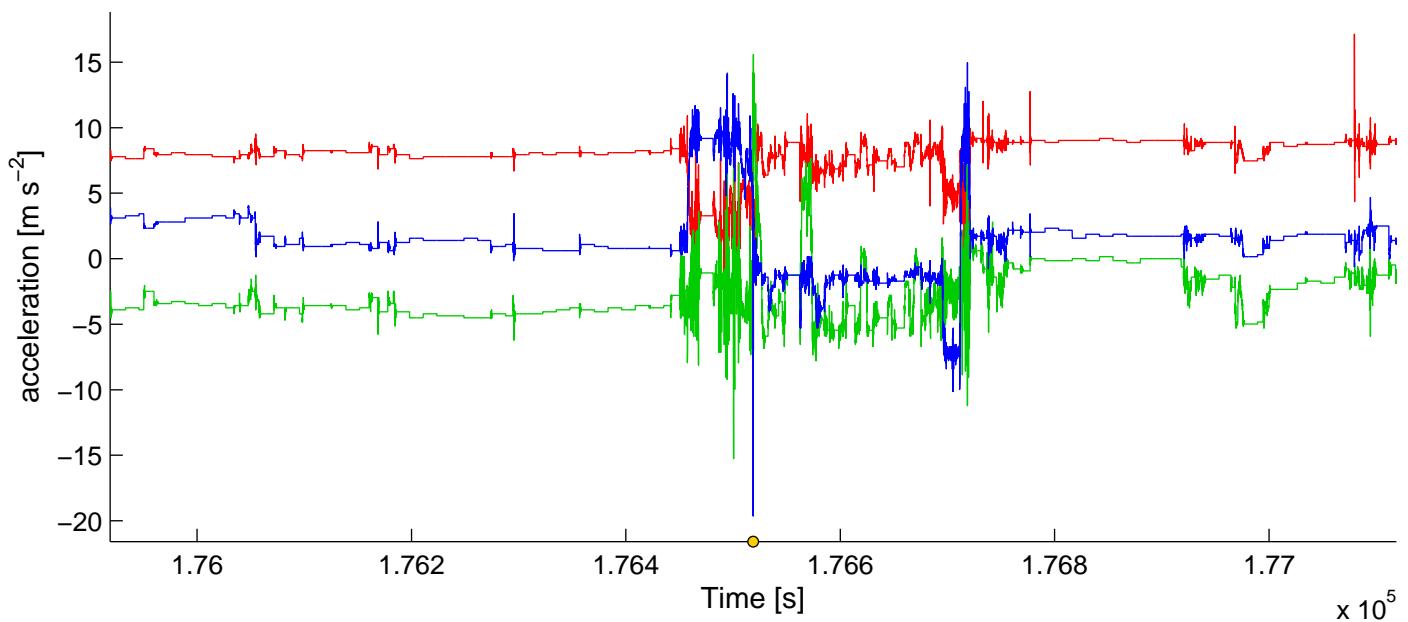
F_20983985-01-2013-05-16-16-00.mat

Time window: 60 s



F_20983985-01-2013-05-16-16-00.mat

Time window: 1200 s



Fall no.: 23112025-01

Setting: Geriatric rehabilitation

Signal file: F_23112025-01-2013-05-21-06-21-54.mat

Personal characteristics

Gender: Female Age: 86 yrs Height: 163 cm Weight: 53 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: 2

Gait: 2 Cognition: 2

Emotional disturbance: 4 Vision: 0

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 21.05.2013 06:30:00 Fall time signal: 21.05.2013 06:21:54

Wanted to go to toilet, fell down in the bathroom.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, Bathroom

Multiple impact: Unknown Fall on: Floor

Got up without help: No

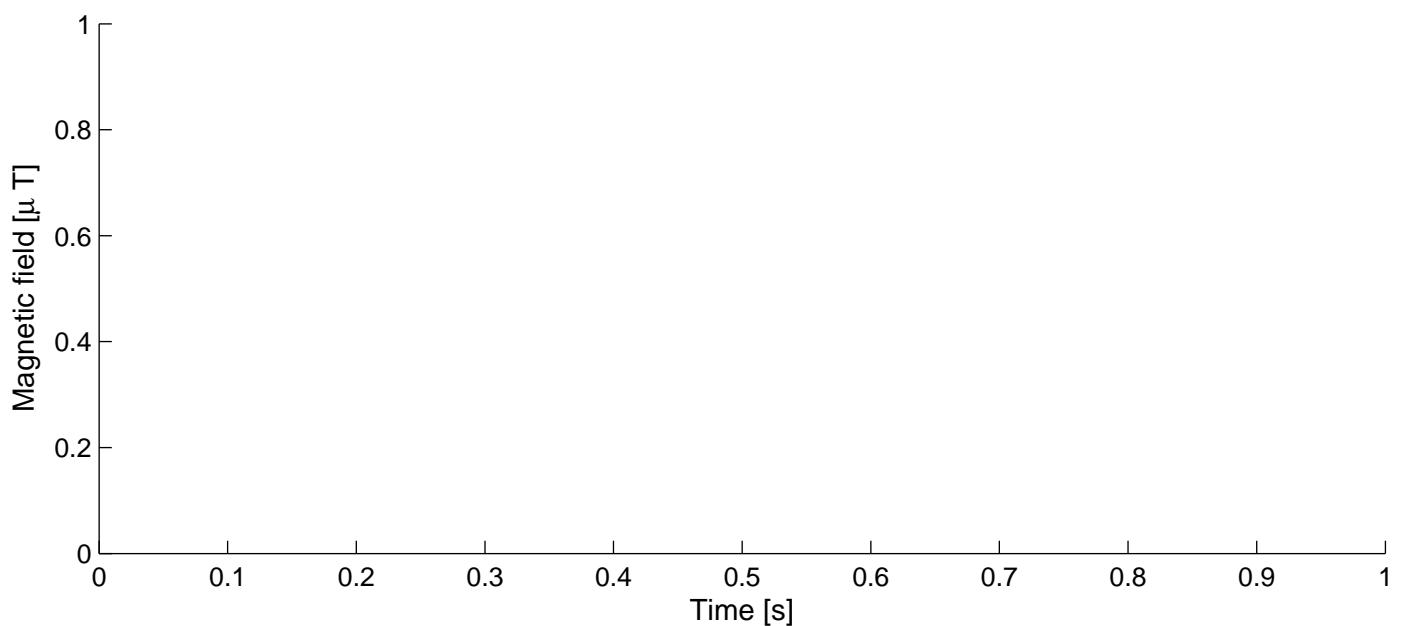
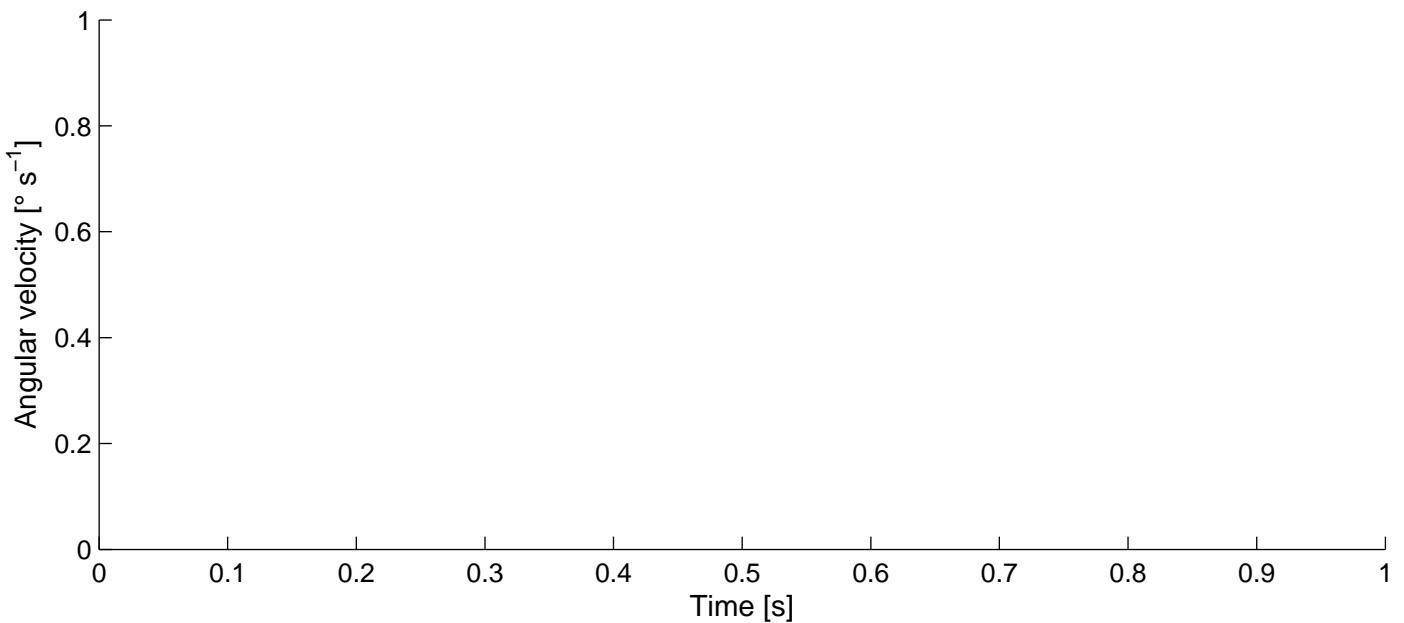
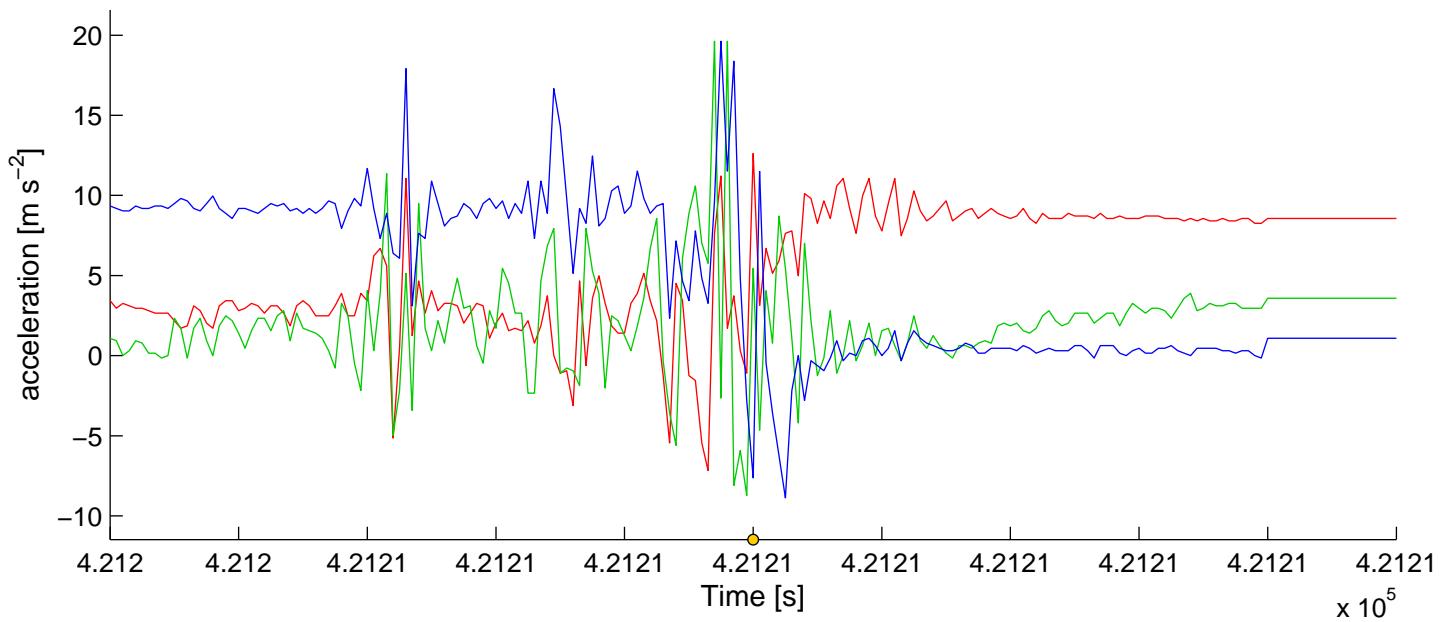
Injury: Yes Injury classification: B

Injury location: Shoulder, thigh Adopted measures: Medical contact

Injury description: Skin abrasions at the right shoulder and the right thigh

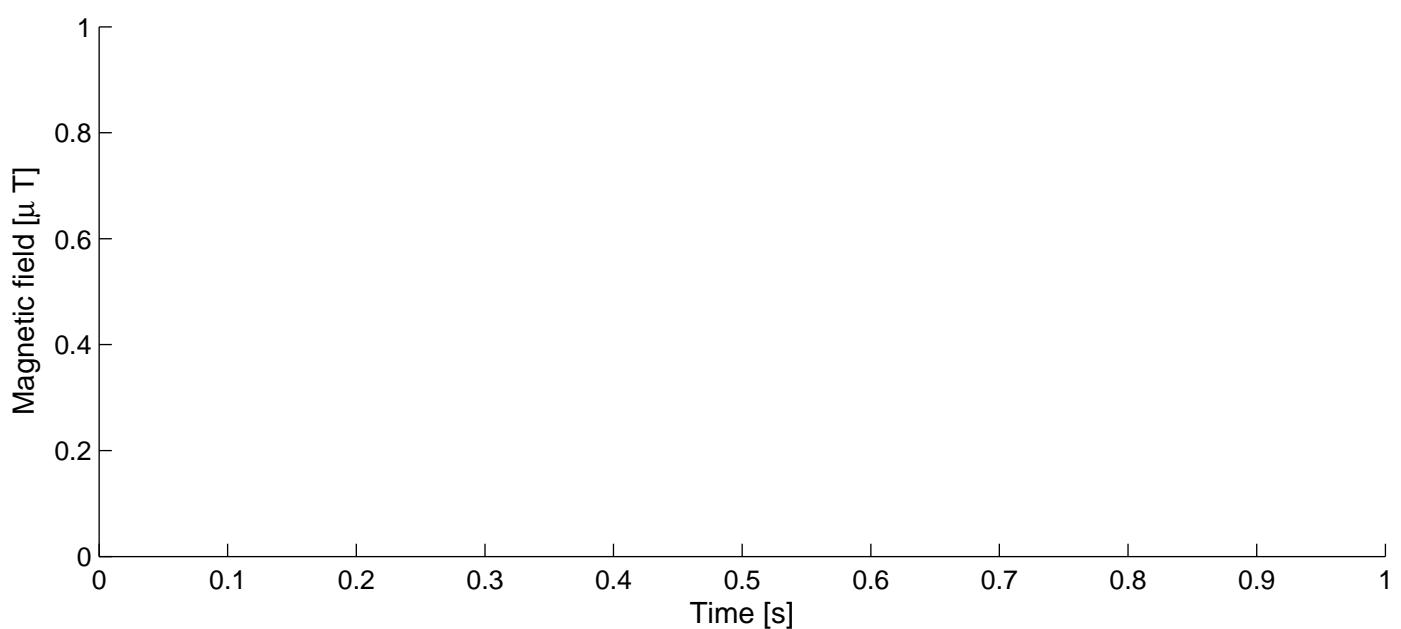
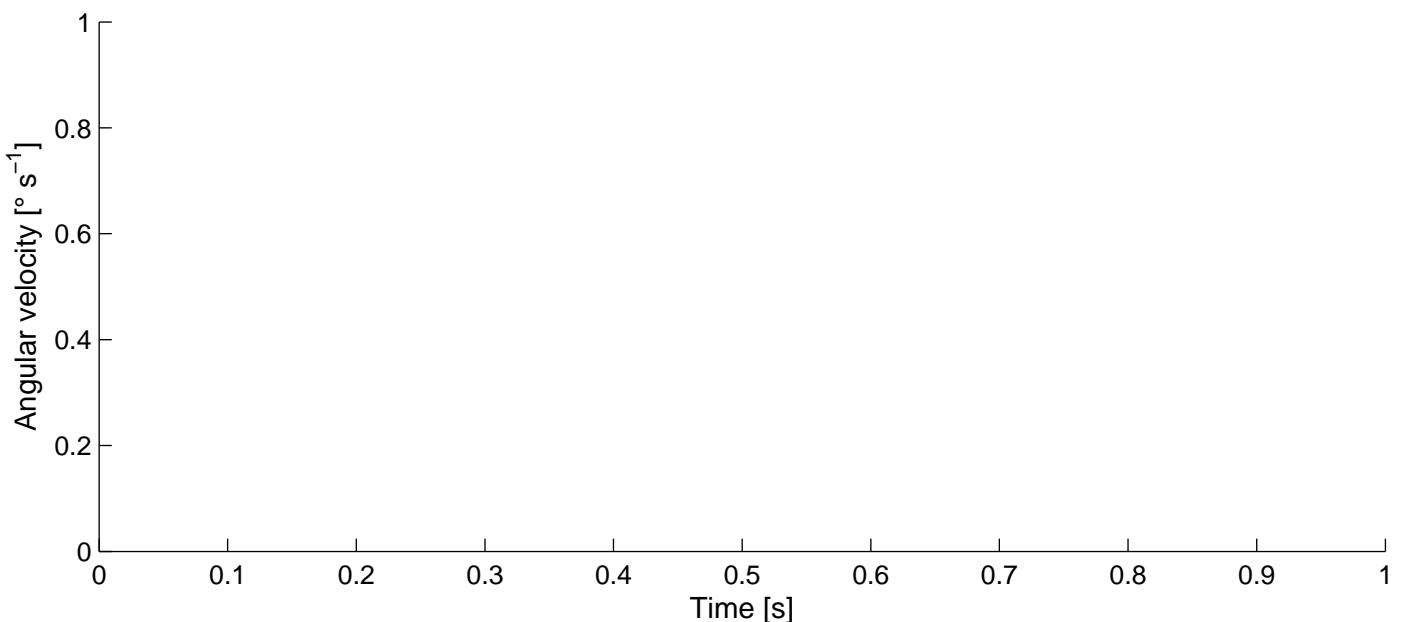
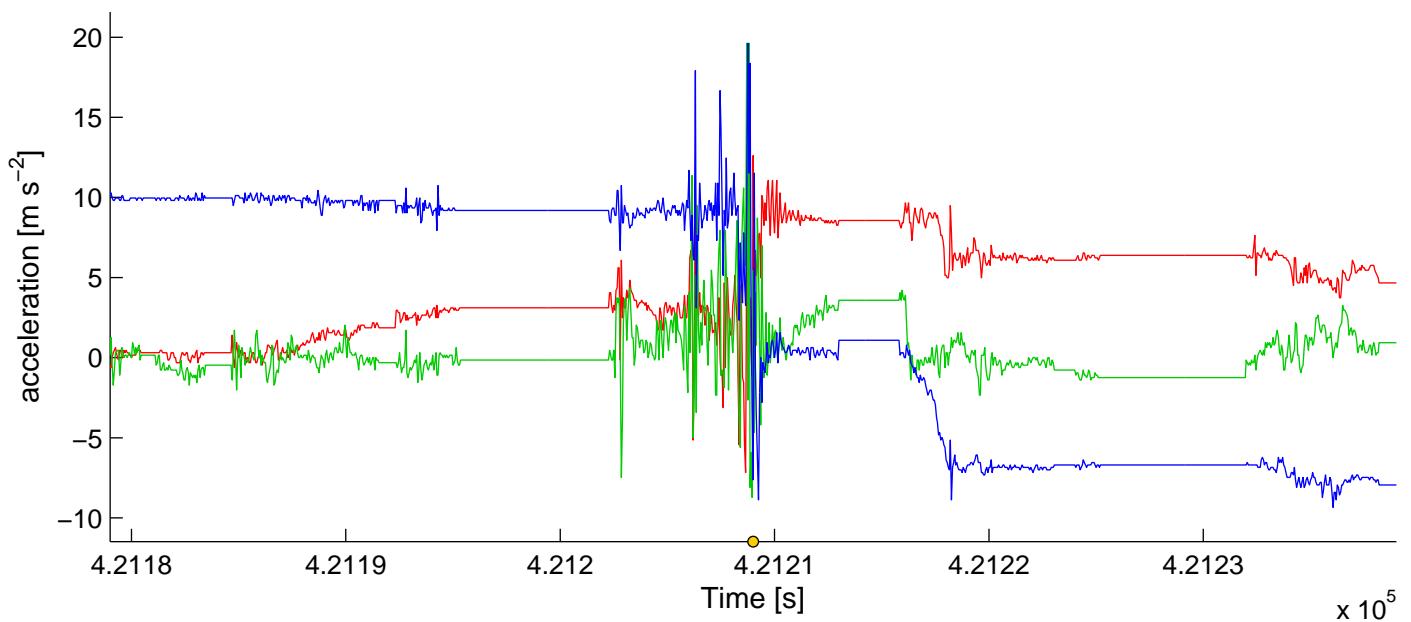
F_23112025-01-2013-05-21-06-21-54.mat

Time window: 10 s



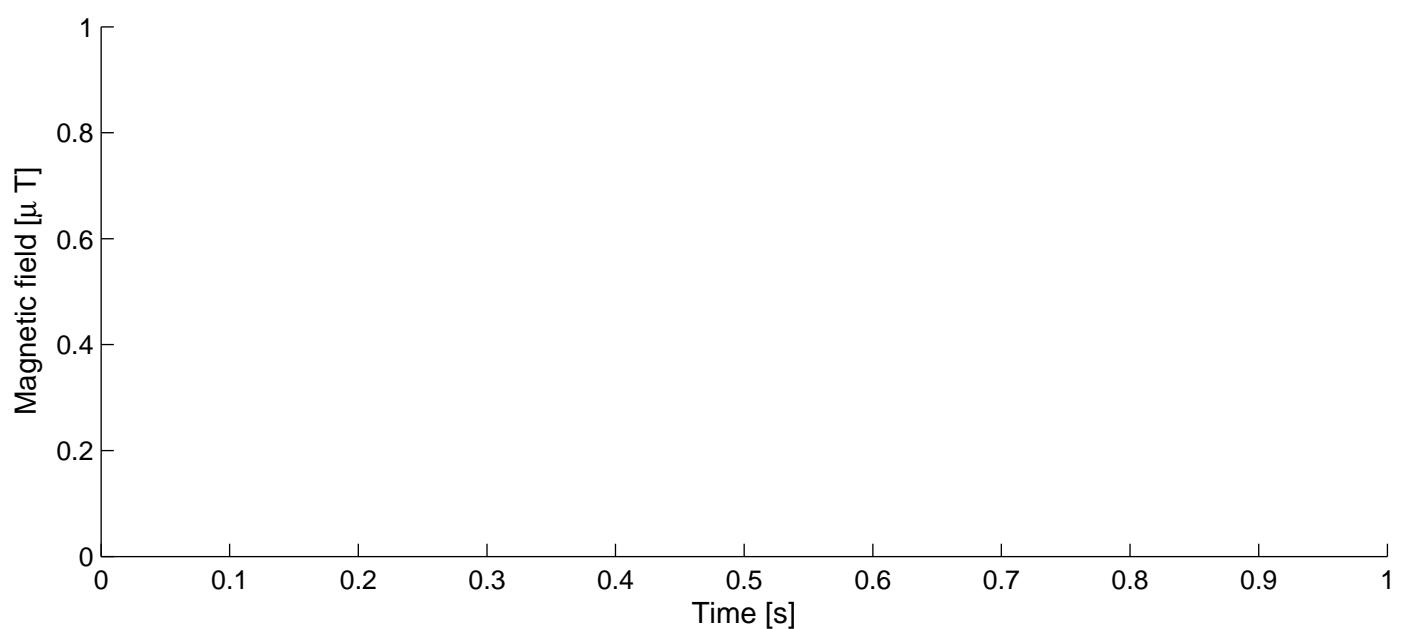
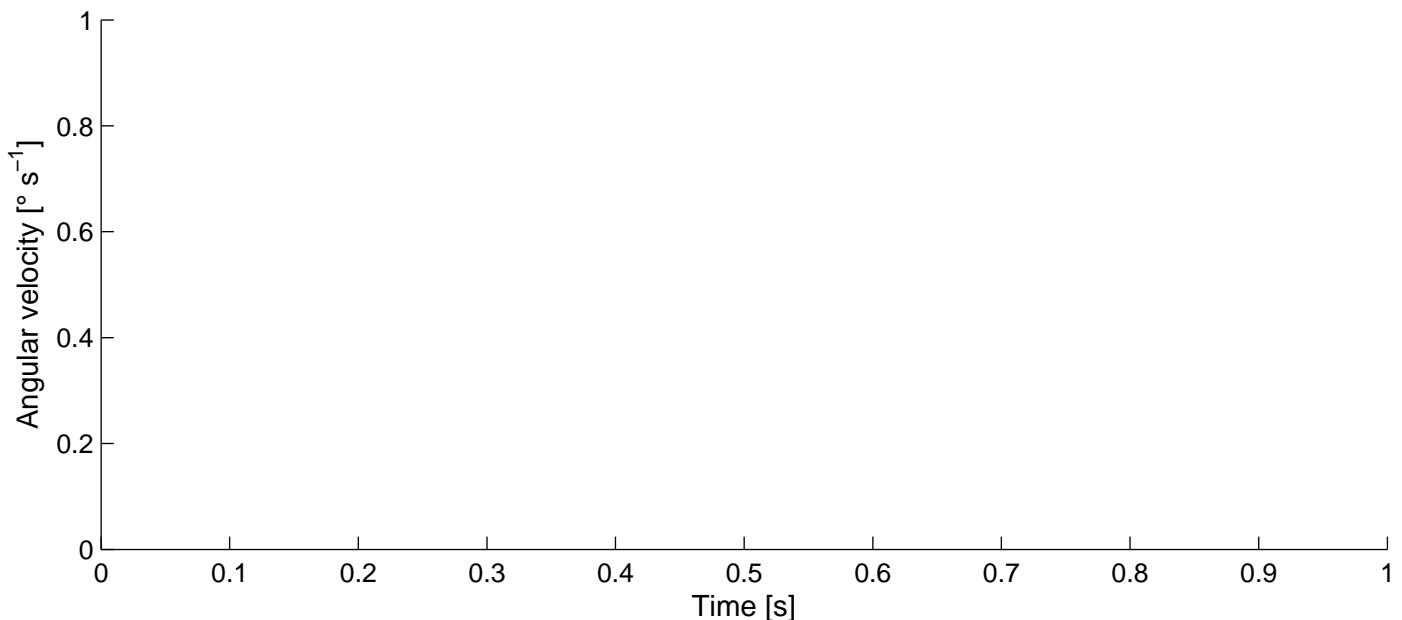
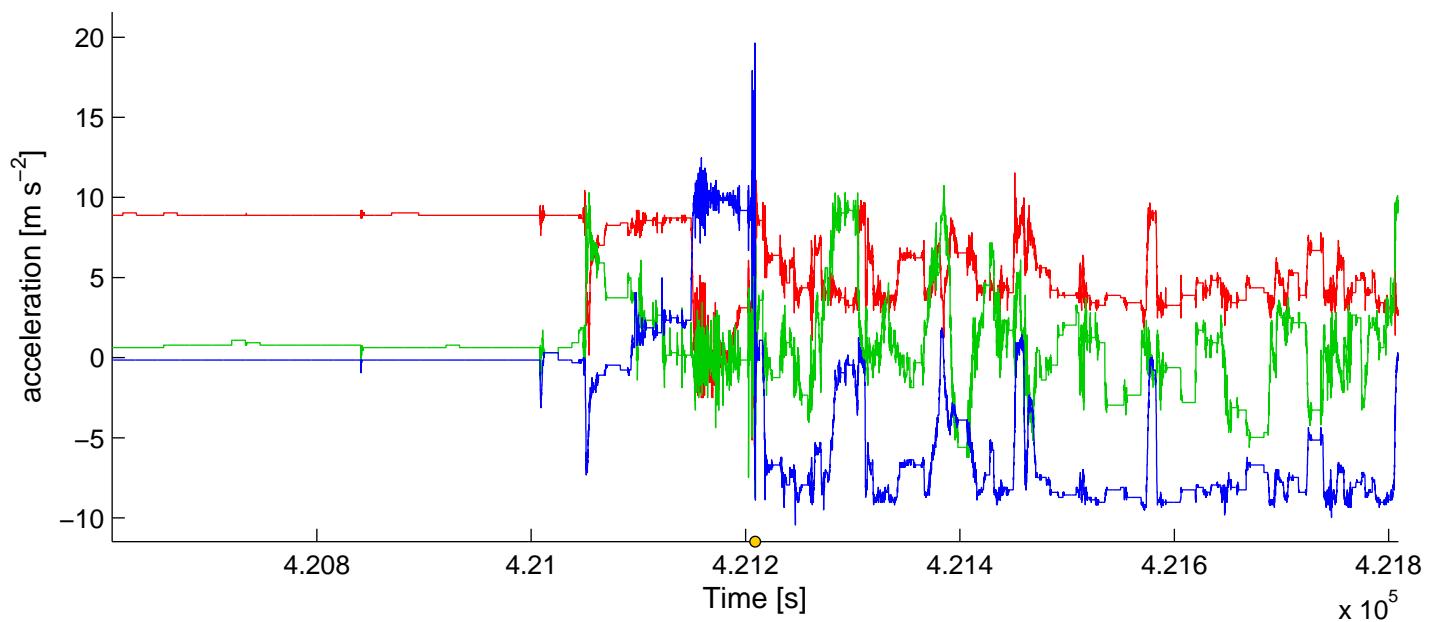
F_23112025-01-2013-05-21-06-21-54.mat

Time window: 60 s



F_23112025-01-2013-05-21-06-21-54.mat

Time window: 1200 s



Fall no.: 36551836-01

Setting: Geriatric rehabilitation

Signal file: F_36551836-01-2013-05-21-17-39-57.mat

Personal characteristics

Gender: Male Age: 62 yrs Height: 190 cm Weight: 101 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: 4

Gait: 2 Cognition: 1

Emotional disturbance: 0 Vision: 4

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 21.05.2013 18:00:00 Fall time signal: 21.05.2013 17:39:57

Wanted to stand up unassisted in the dining room and fell down.

Witnessed: Yes Assistive device: Unknown

Reported pre-fall activity: Transfer

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, dining hall

Multiple impact: Unknown Fall on: Floor

Got up without help: No

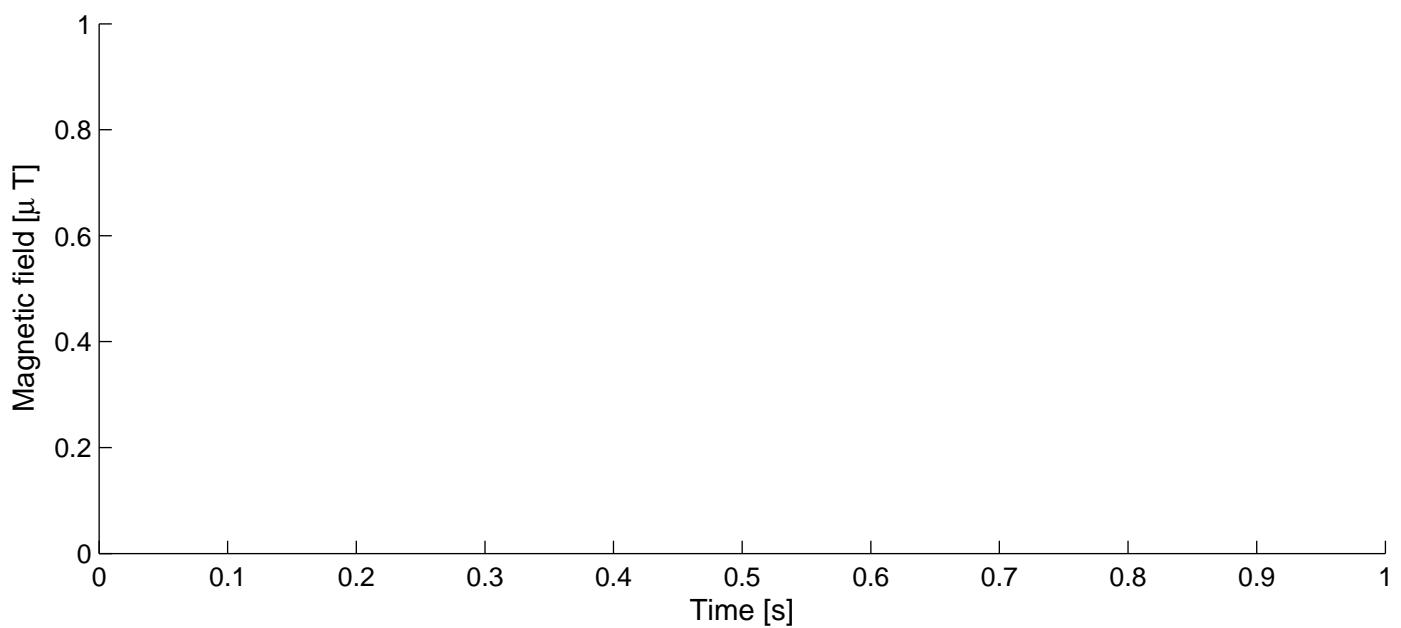
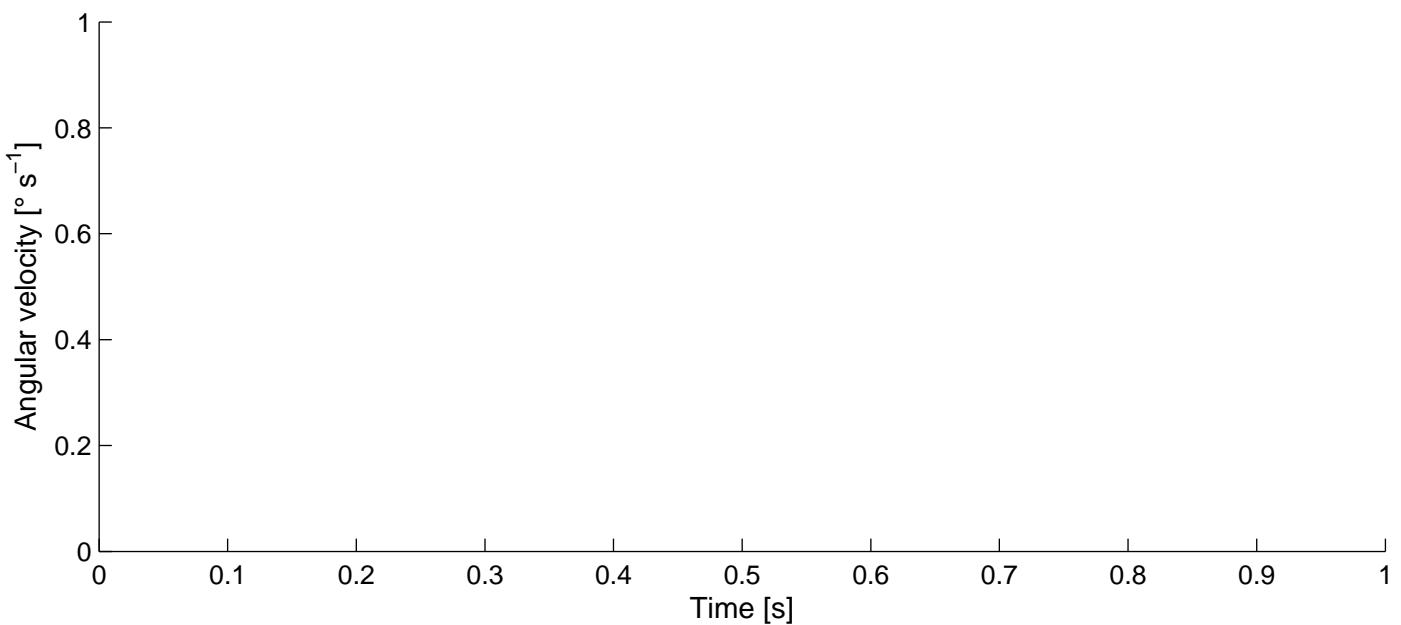
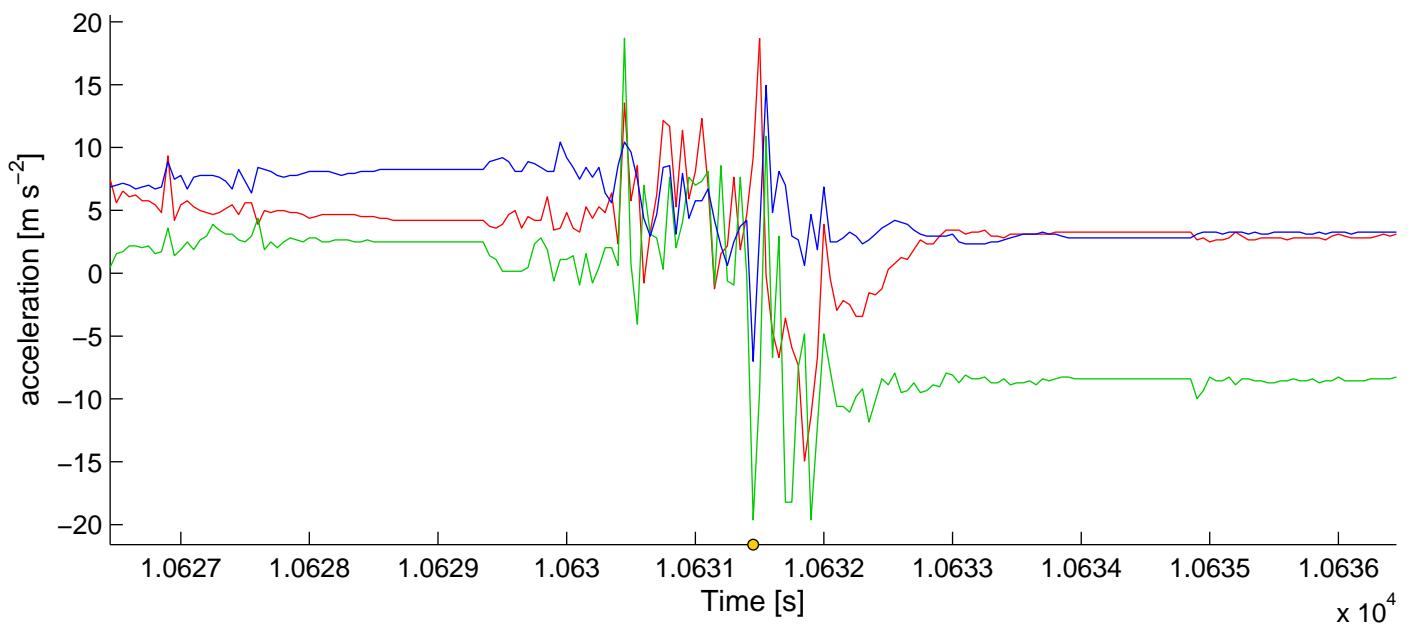
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

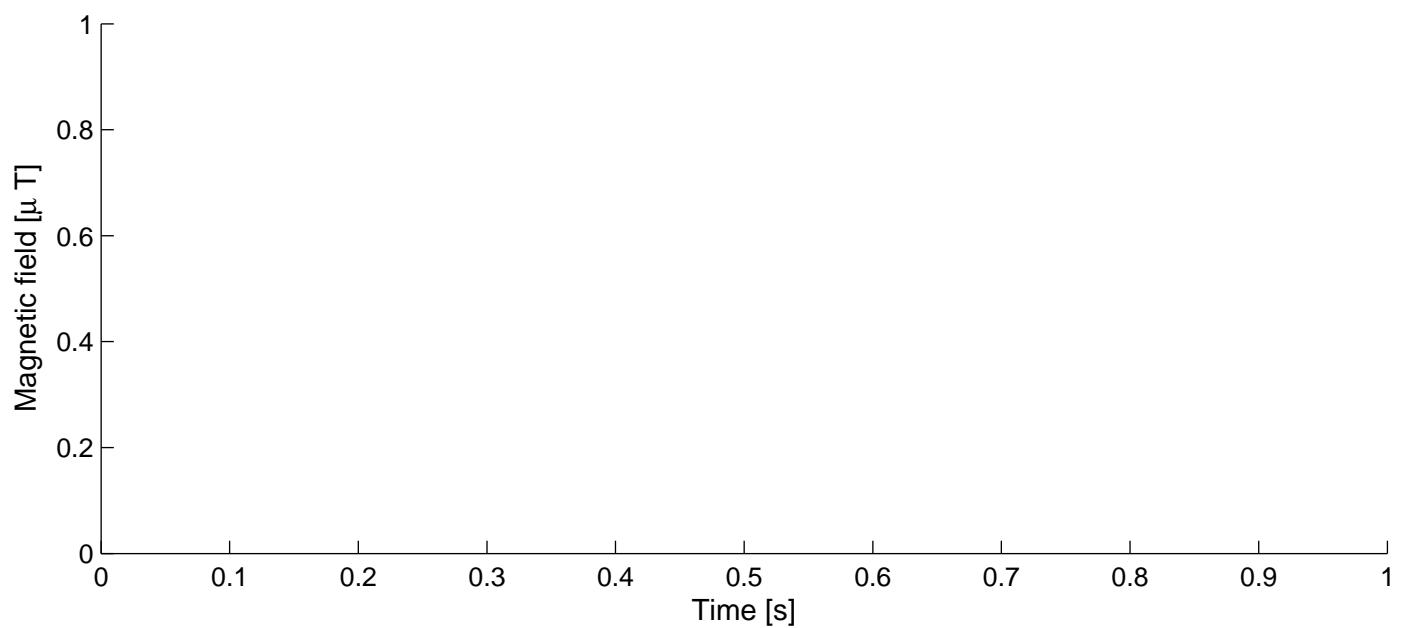
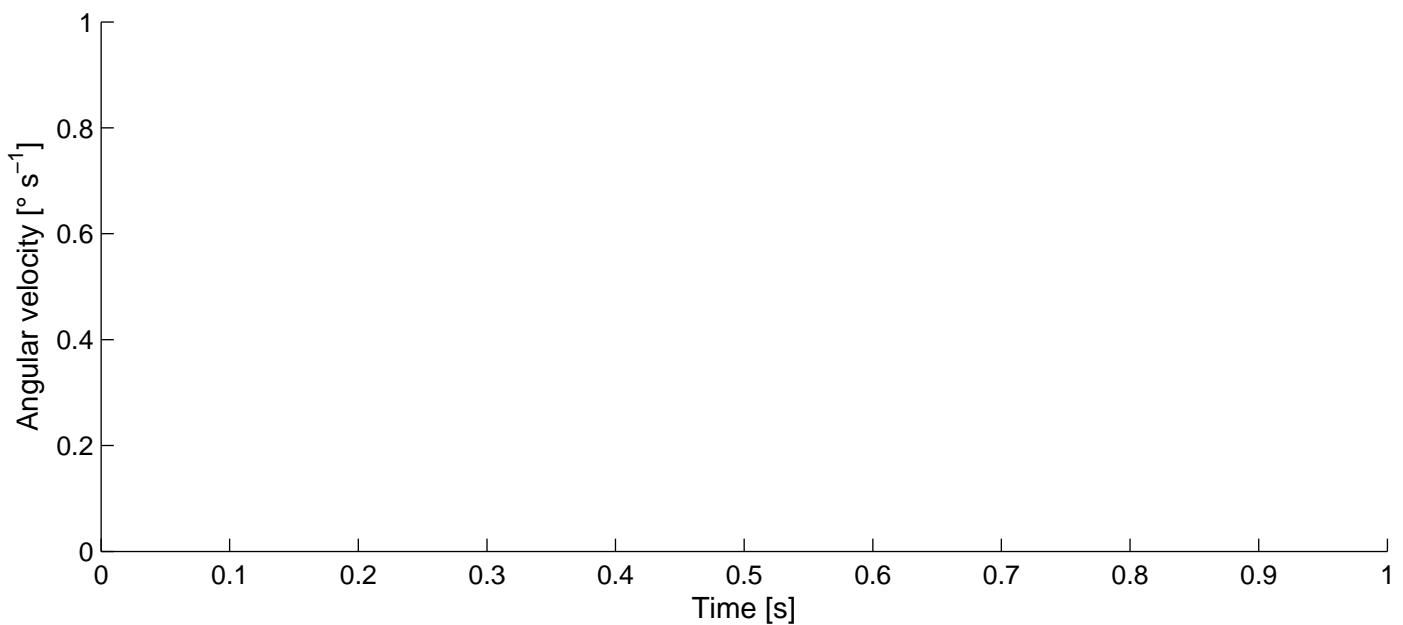
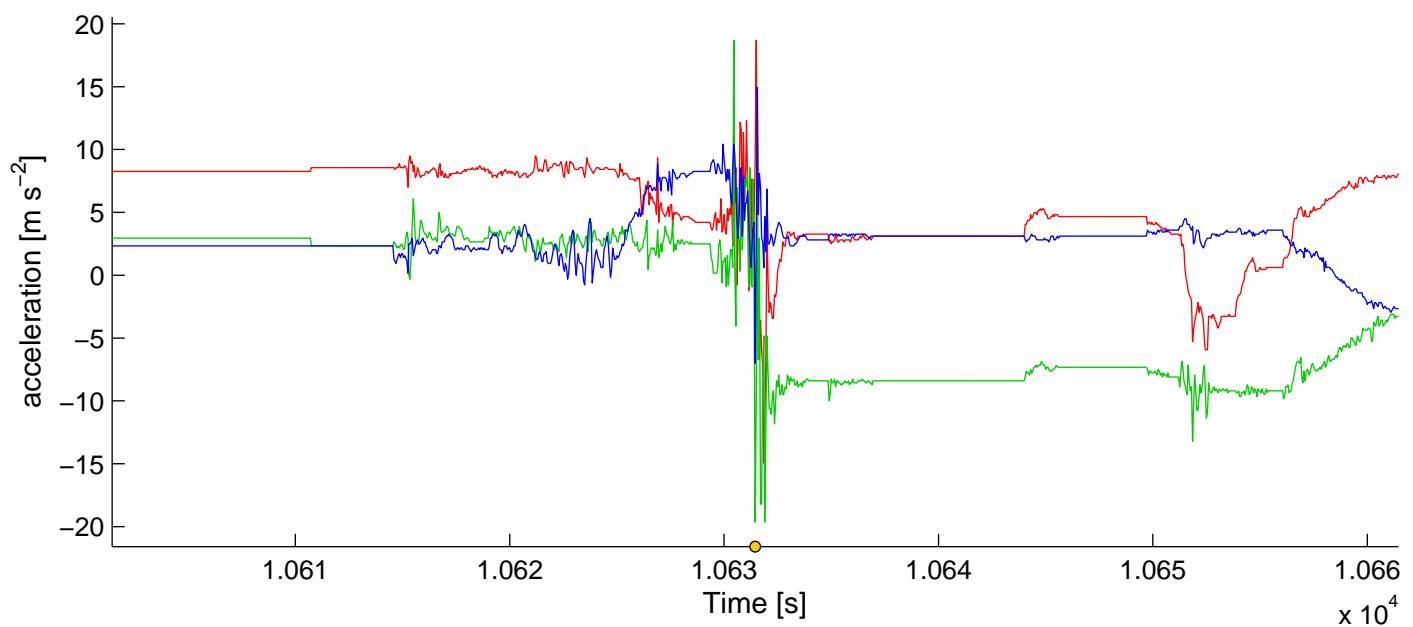
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Time window: 10 s



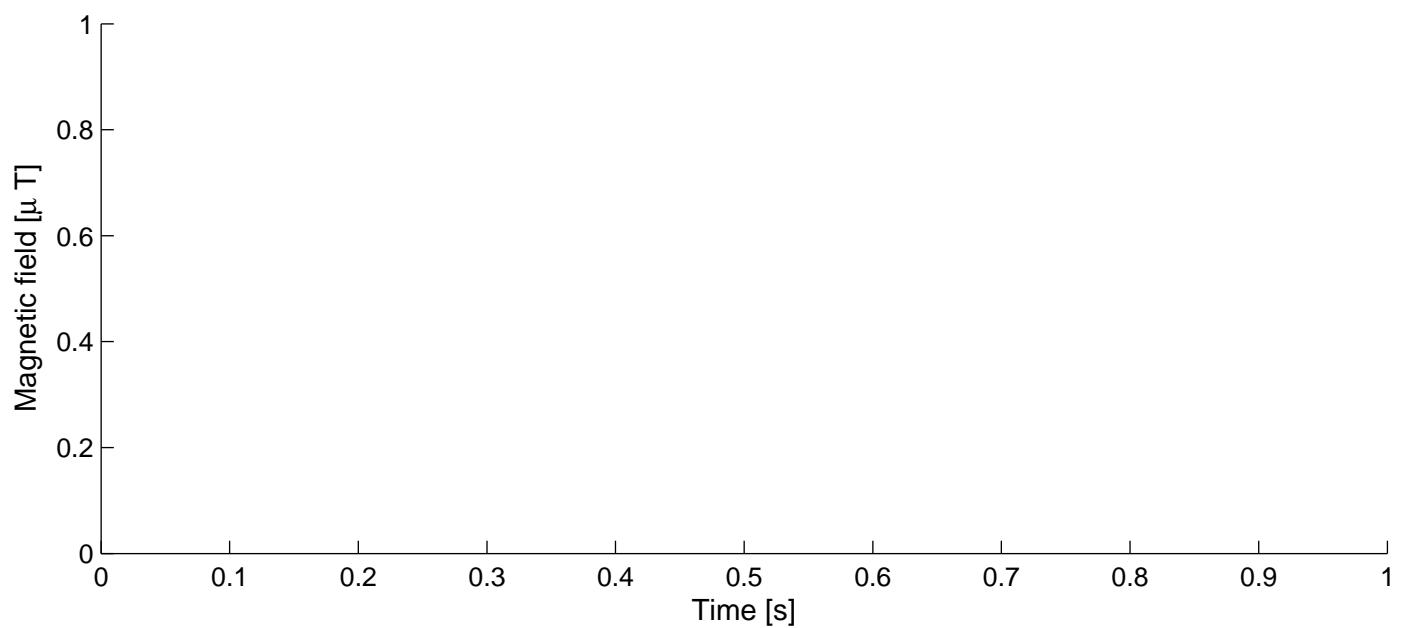
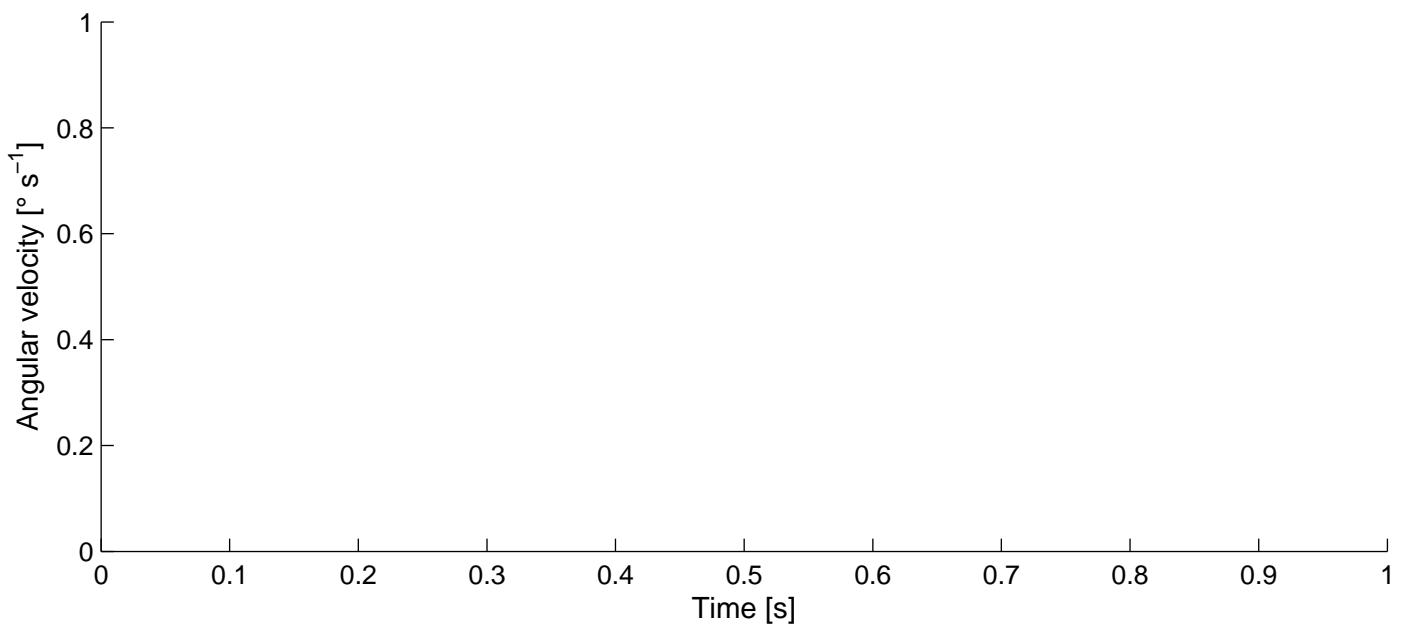
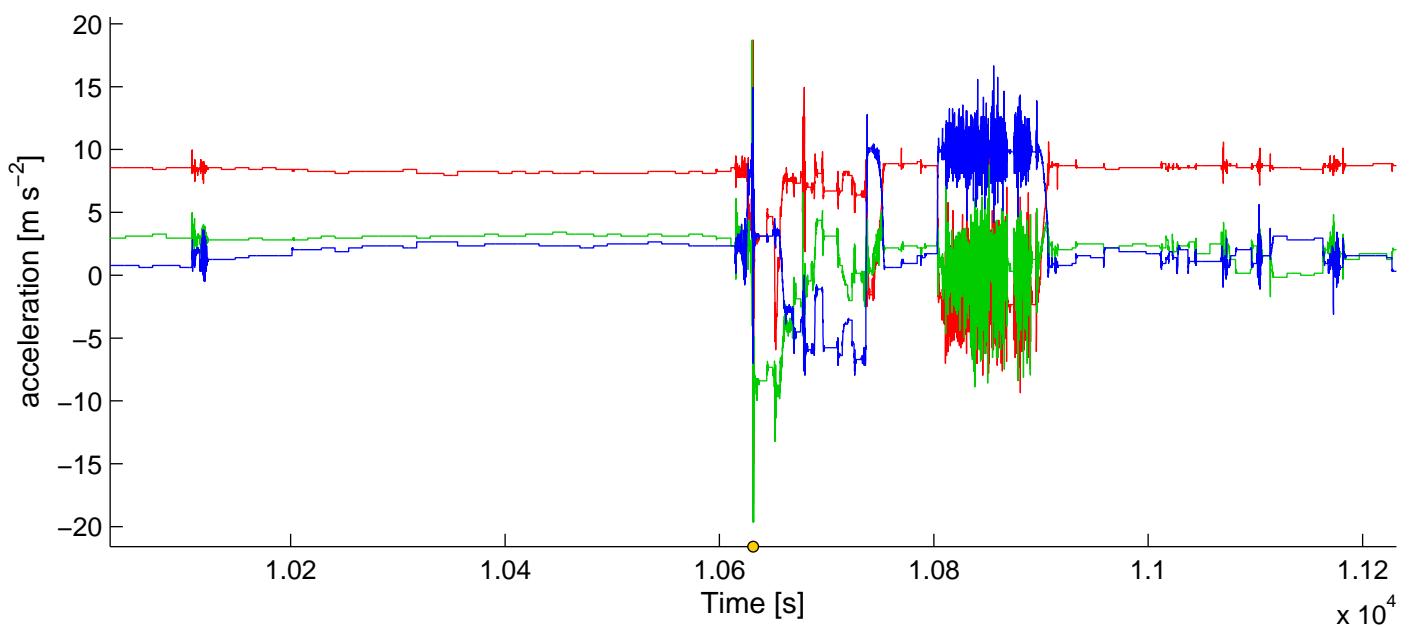
F_36551836-01-2013-05-21-17-39-57.mat

Time window: 60 s



F_36551836-01-2013-05-21-17-39-57.mat

Time window: 1200 s



Fall no.: 38243026-05

Setting: Community-dwelling

Signal file: F_38243026-05-2009-04-29-08-53-16.mat

Personal characteristics

Gender: Female Age: 71 yrs Height: 154 cm Weight: 56 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 29.04.2009 10:00:00 Fall time signal: 29.04.2009 08:53:16

Fell forward while bending down to fix the shoelace.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Bending down

Reported fall direction: Forward

Indoor/outdoor: Yes

Place of fall: Unknown

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

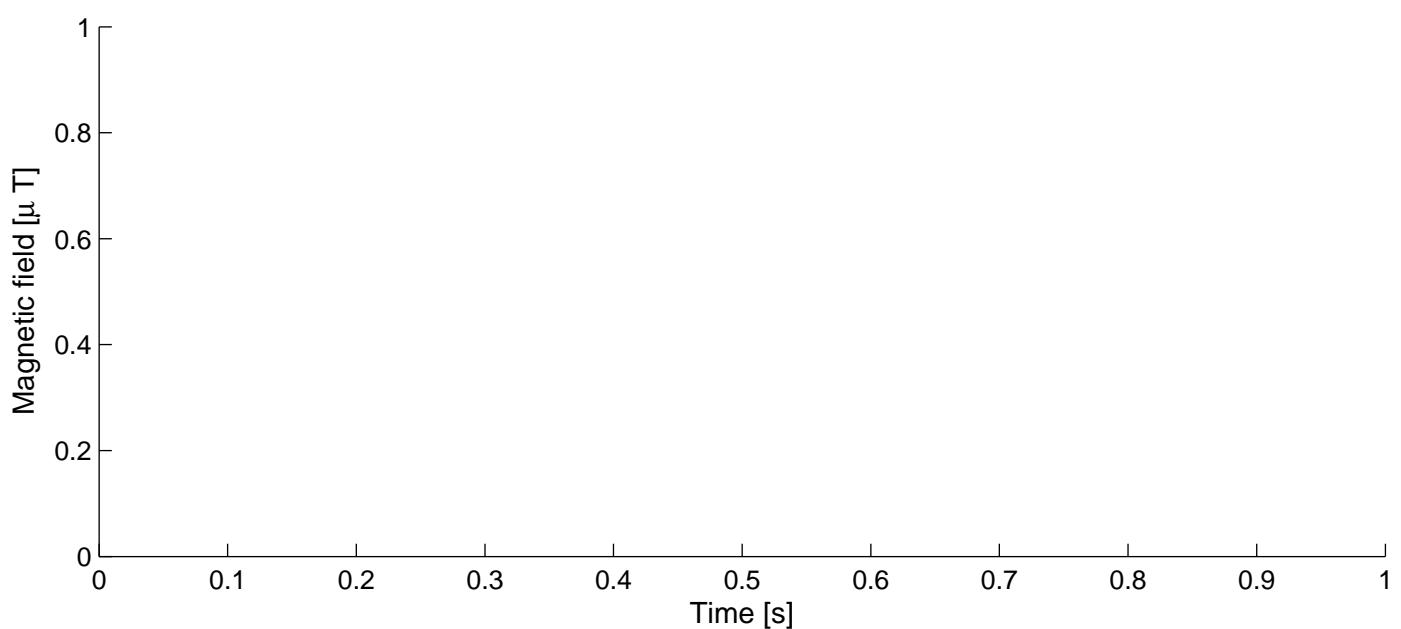
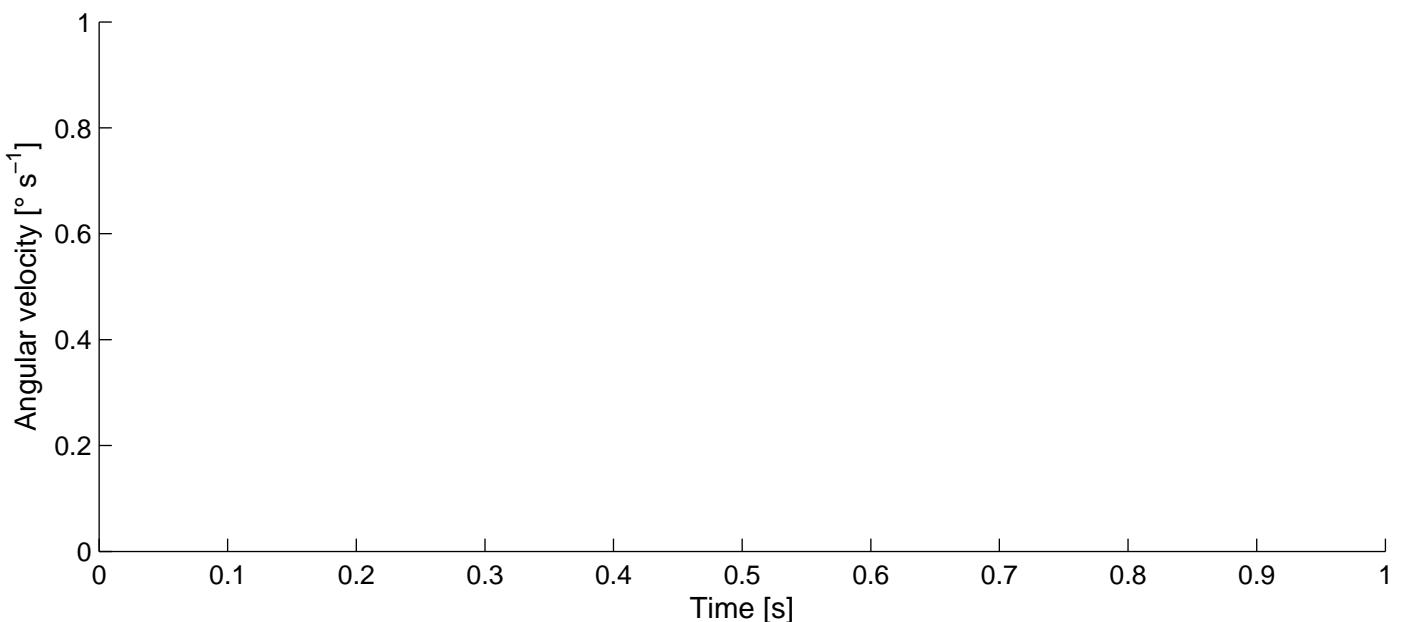
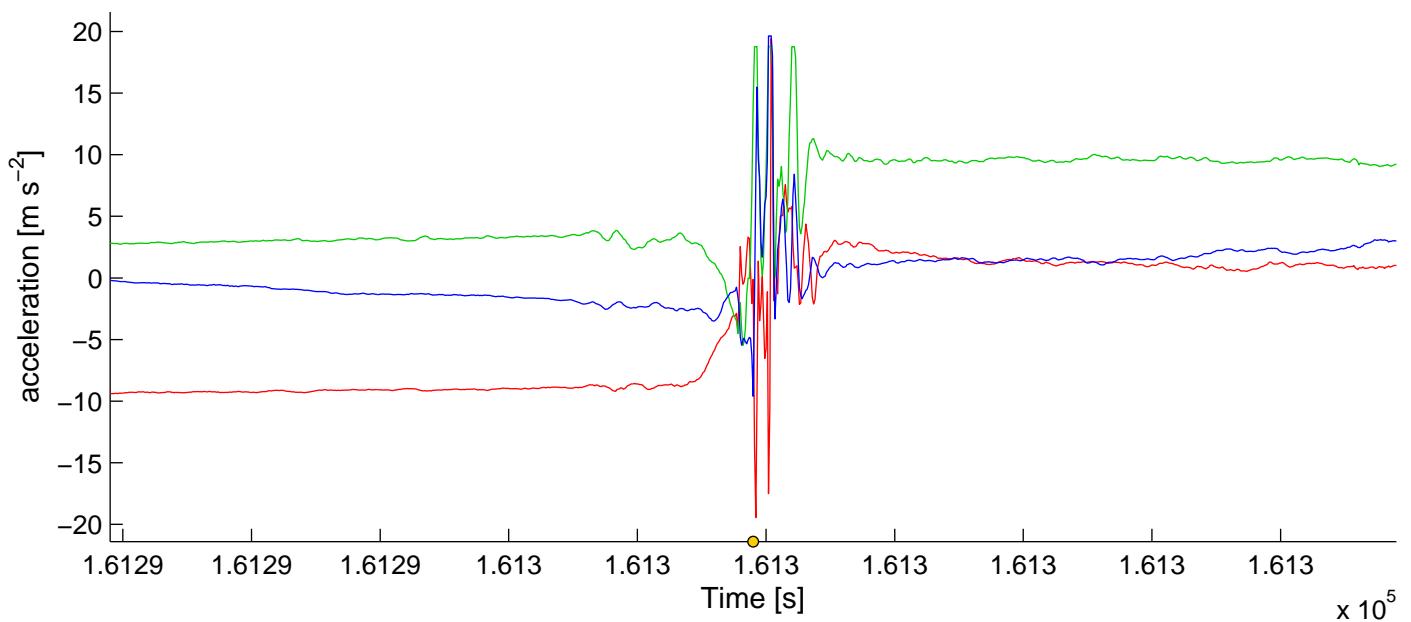
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

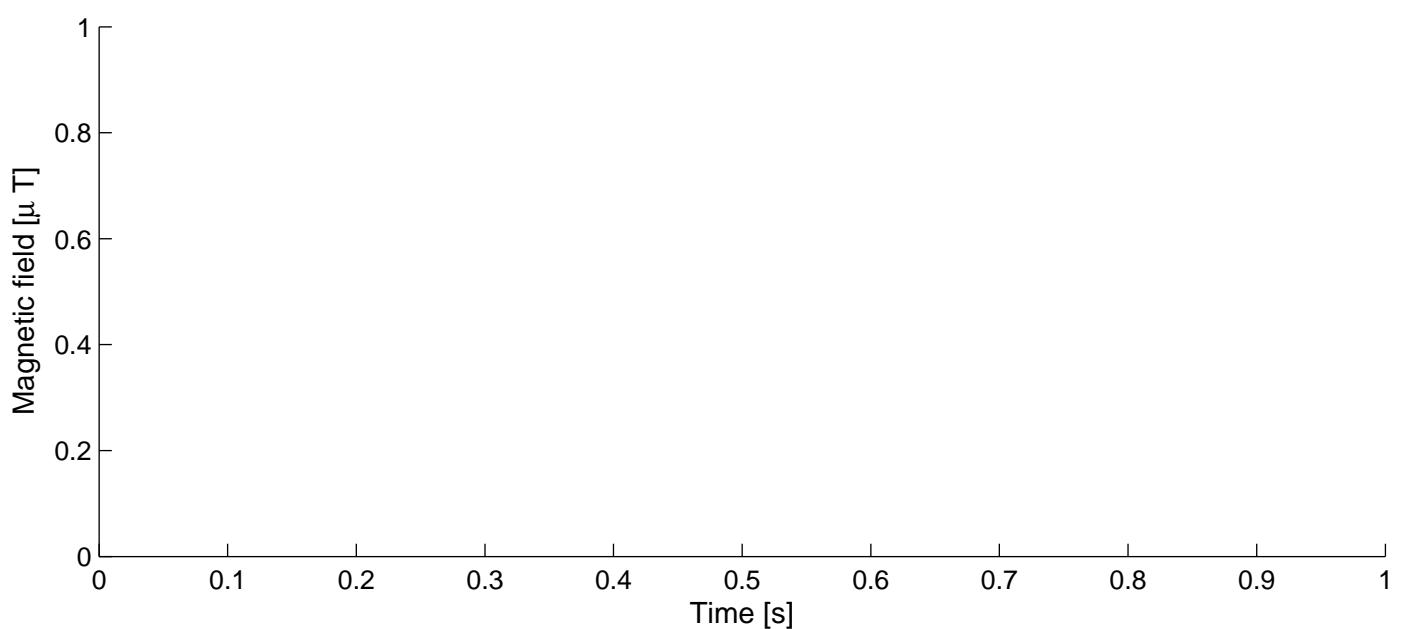
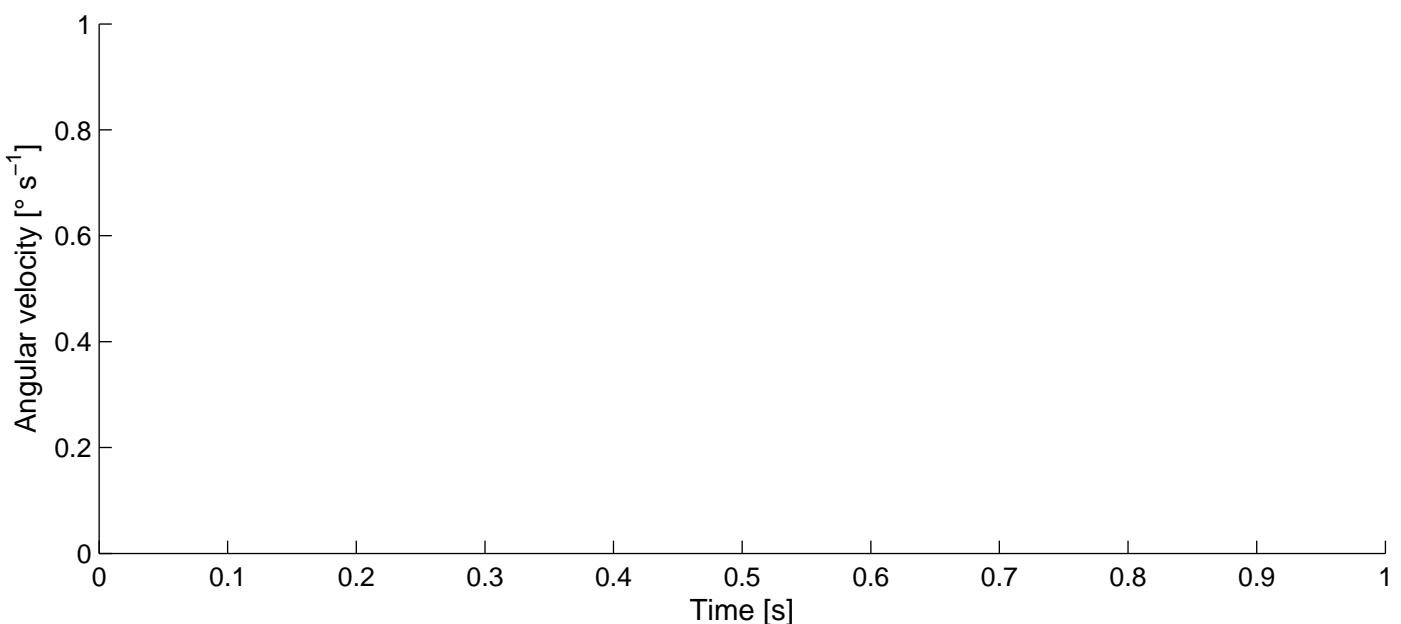
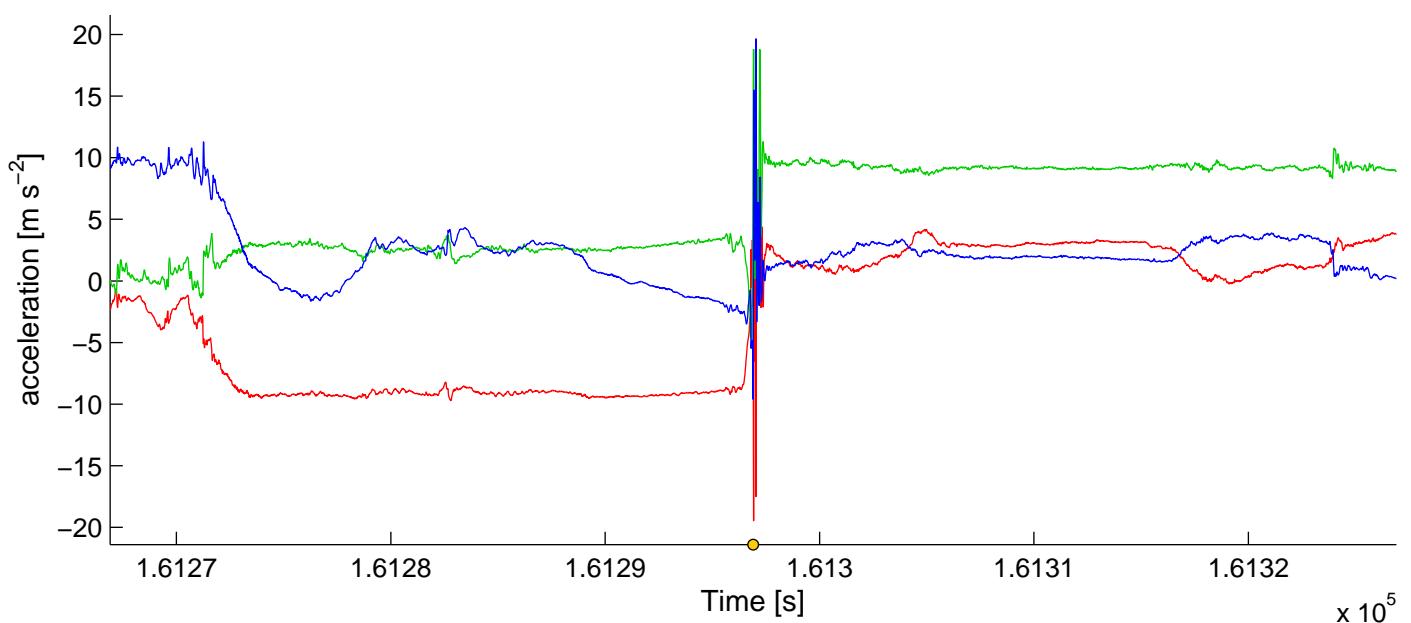
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Time window: 10 s



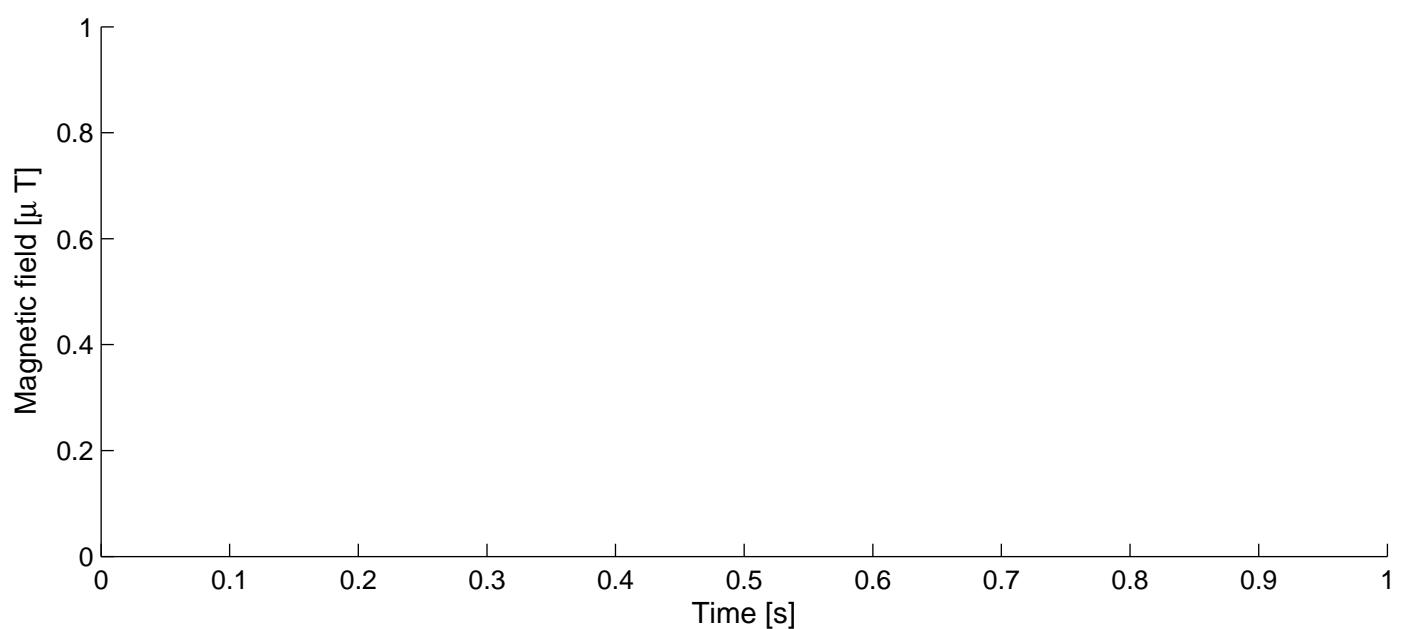
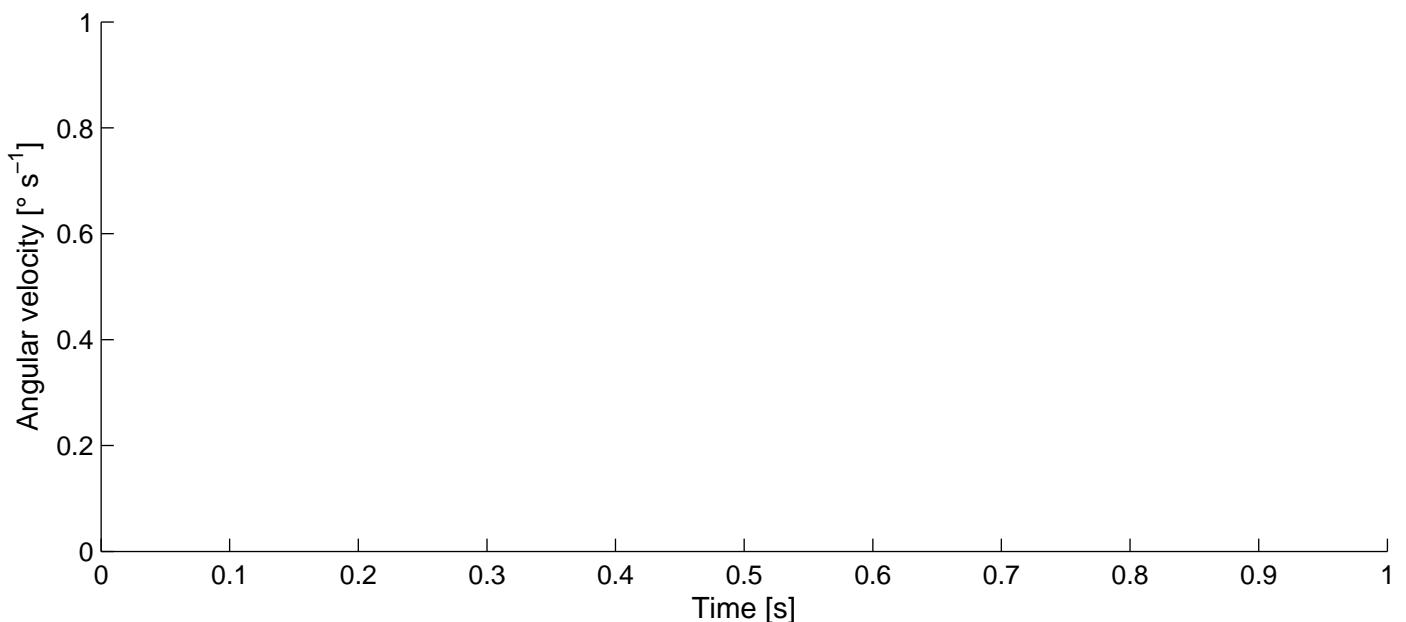
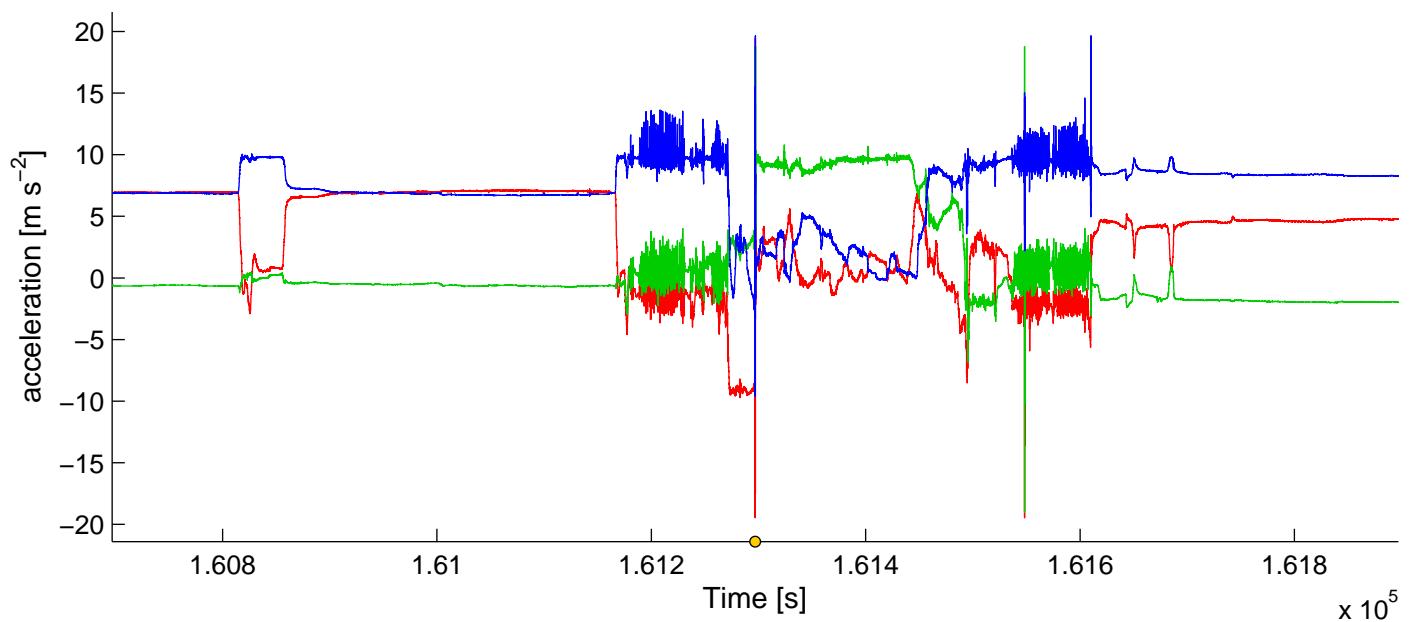
F_38243026-05-2009-04-29-08-53-16.mat

Time window: 60 s



F_38243026-05-2009-04-29-08-53-16.mat

Time window: 1200 s



Fall no.: 42990421-01

Setting: Geriatric rehabilitation

Signal file: F_42990421-01-2011-02-19-15-59-57.mat

Personal characteristics

Gender: Male Age: 72 yrs Height: 178 cm Weight: 92 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 0 Vision: 2

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 19.02.2011 16:05:00 Fall time signal: 19.02.2011 15:59:57

Wanted to pick up an object from the ground

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Bending down

Reported fall direction: Forward

Indoor/outdoor: Yes

Place of fall: Cellar at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

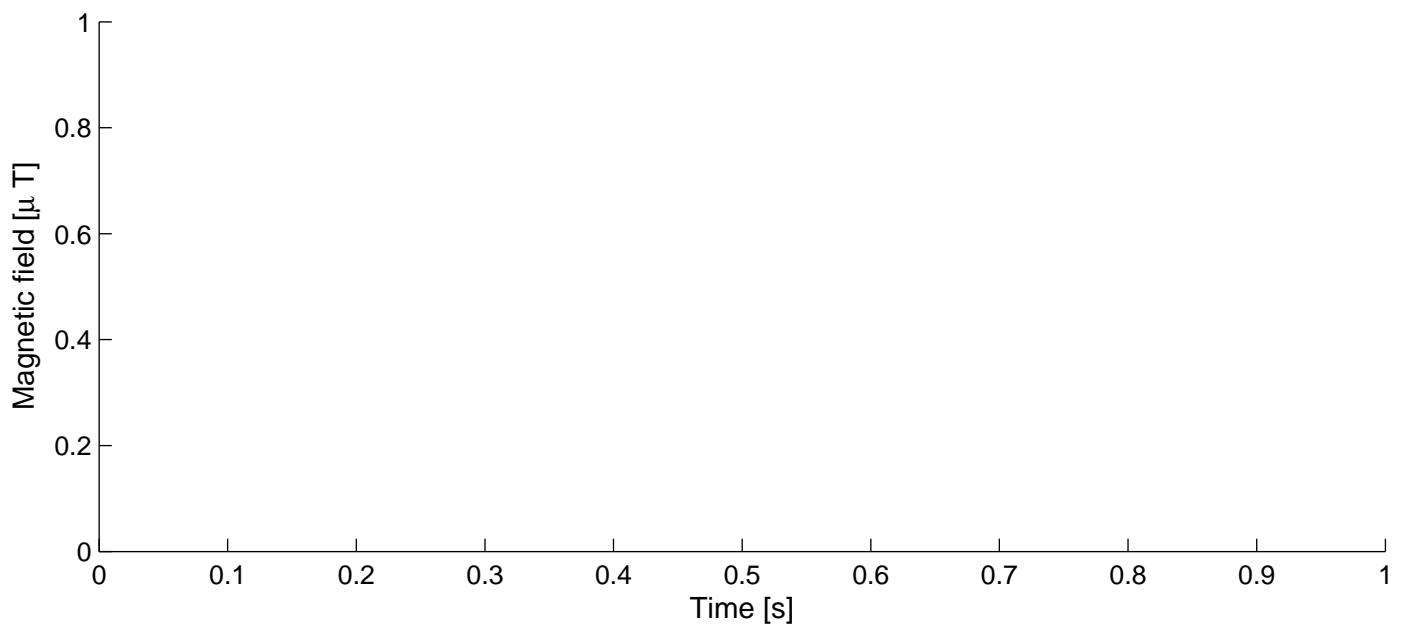
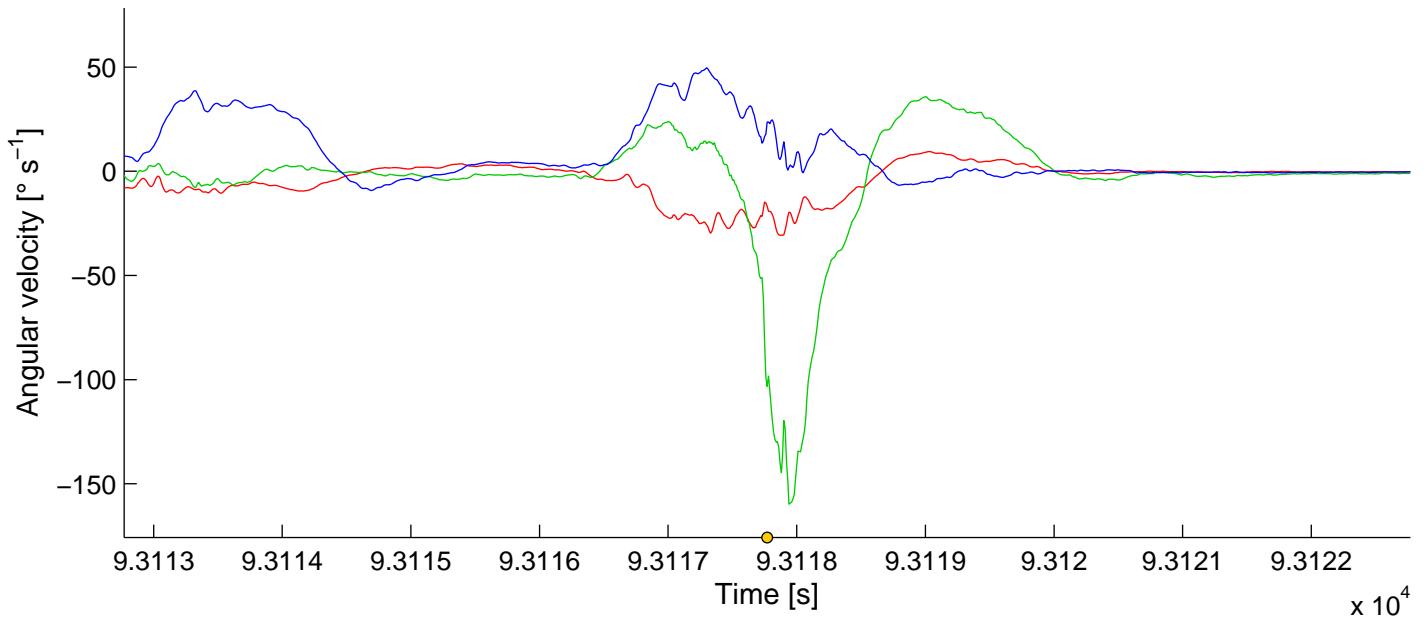
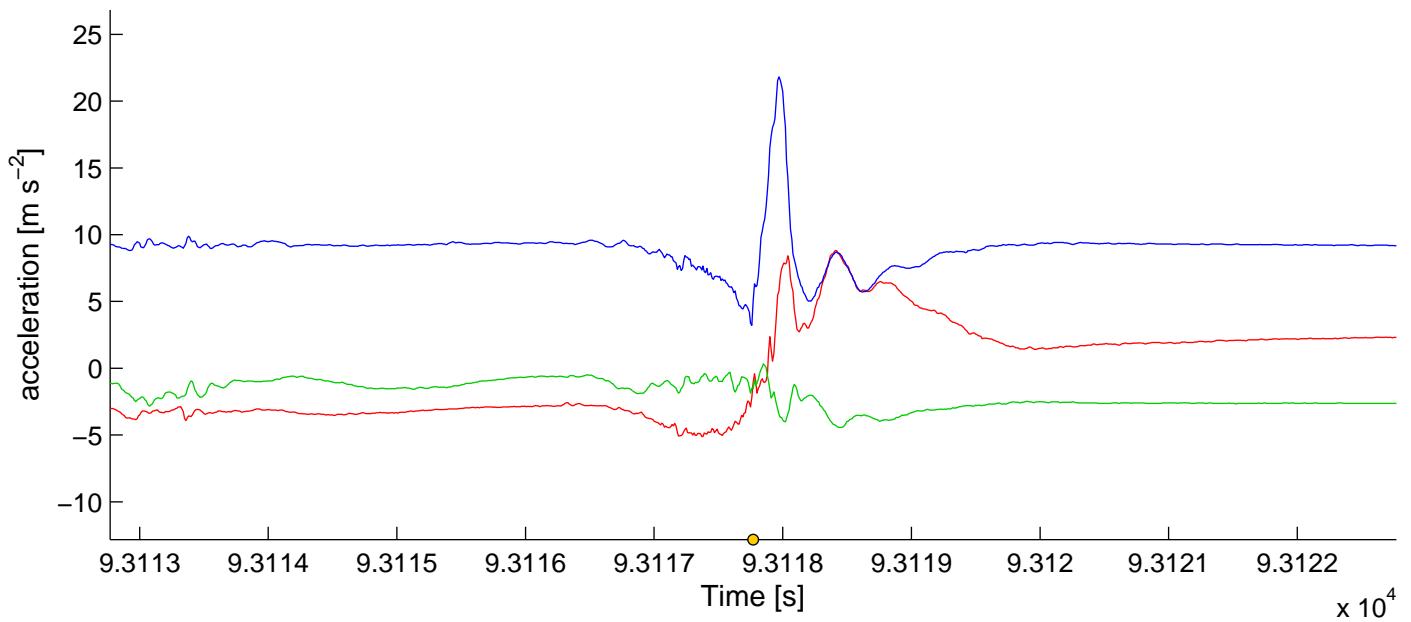
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

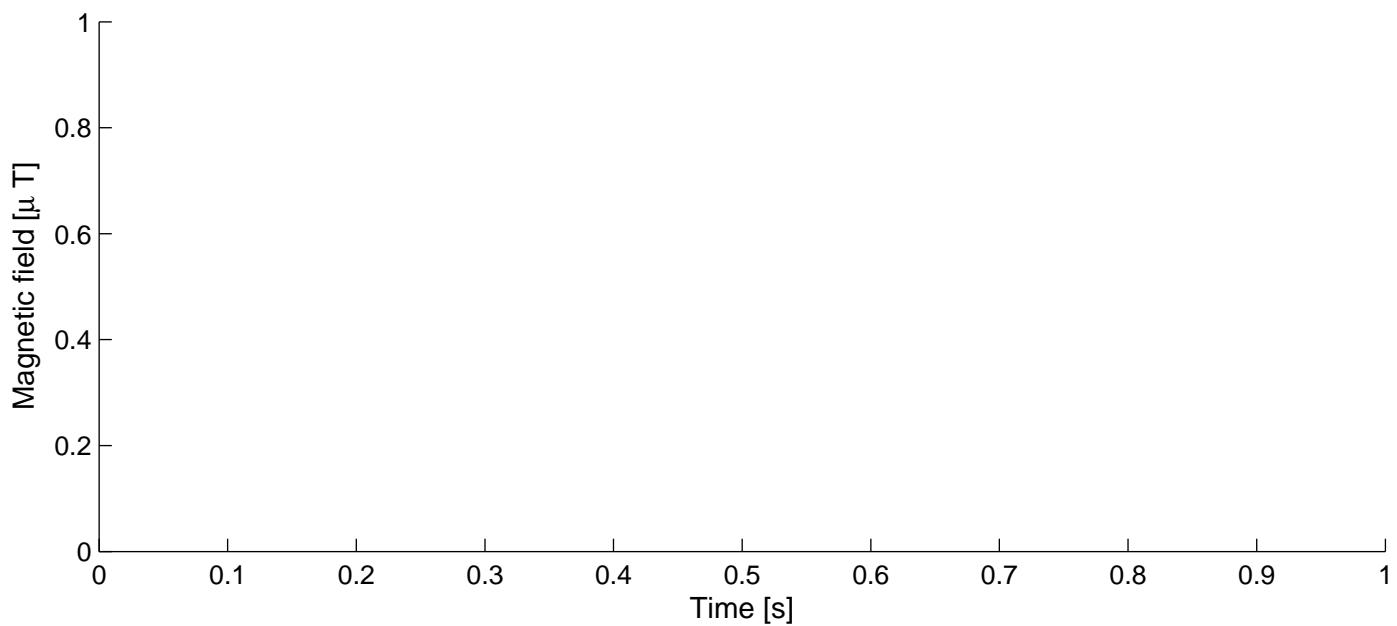
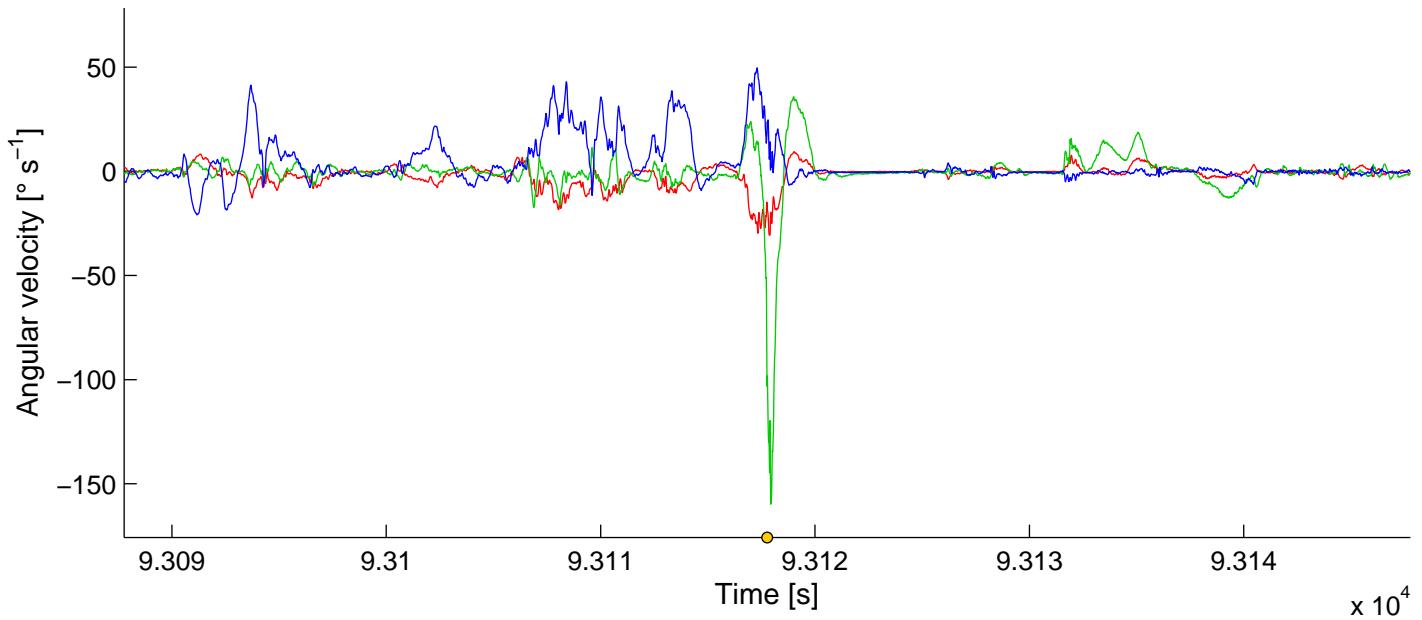
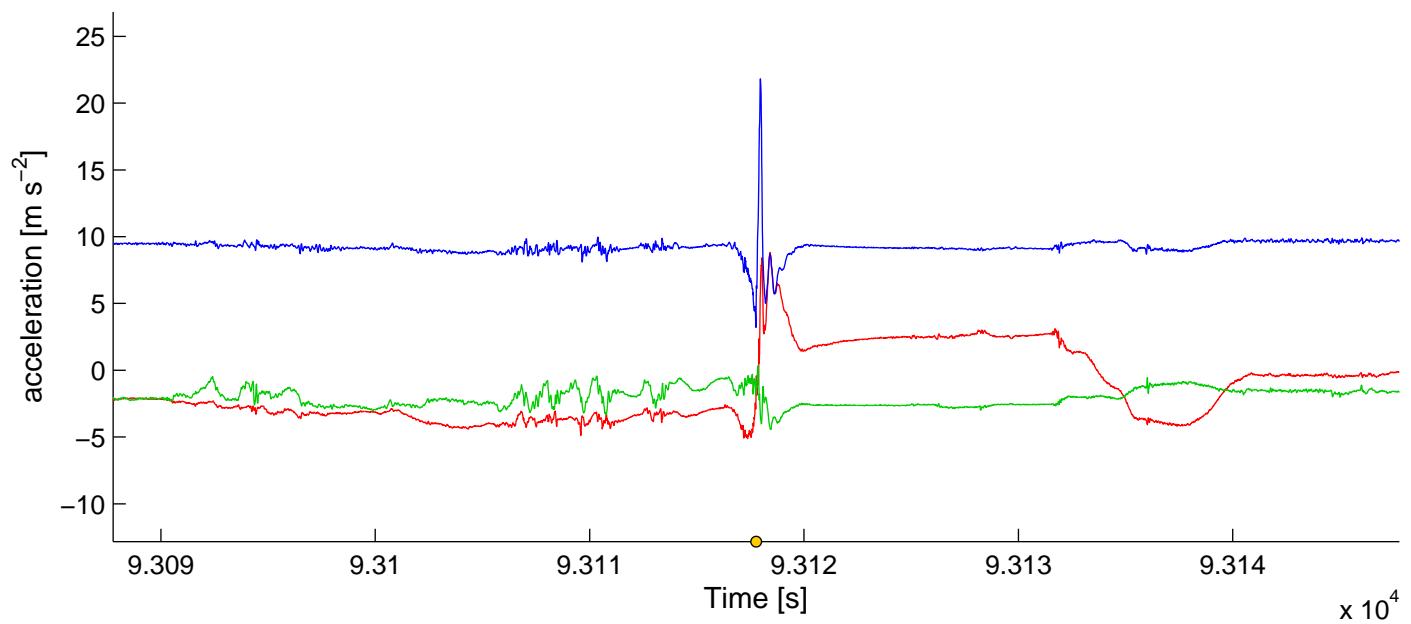
F_42990421-01-2011-02-19-15-59-57.mat

Time window: 10 s



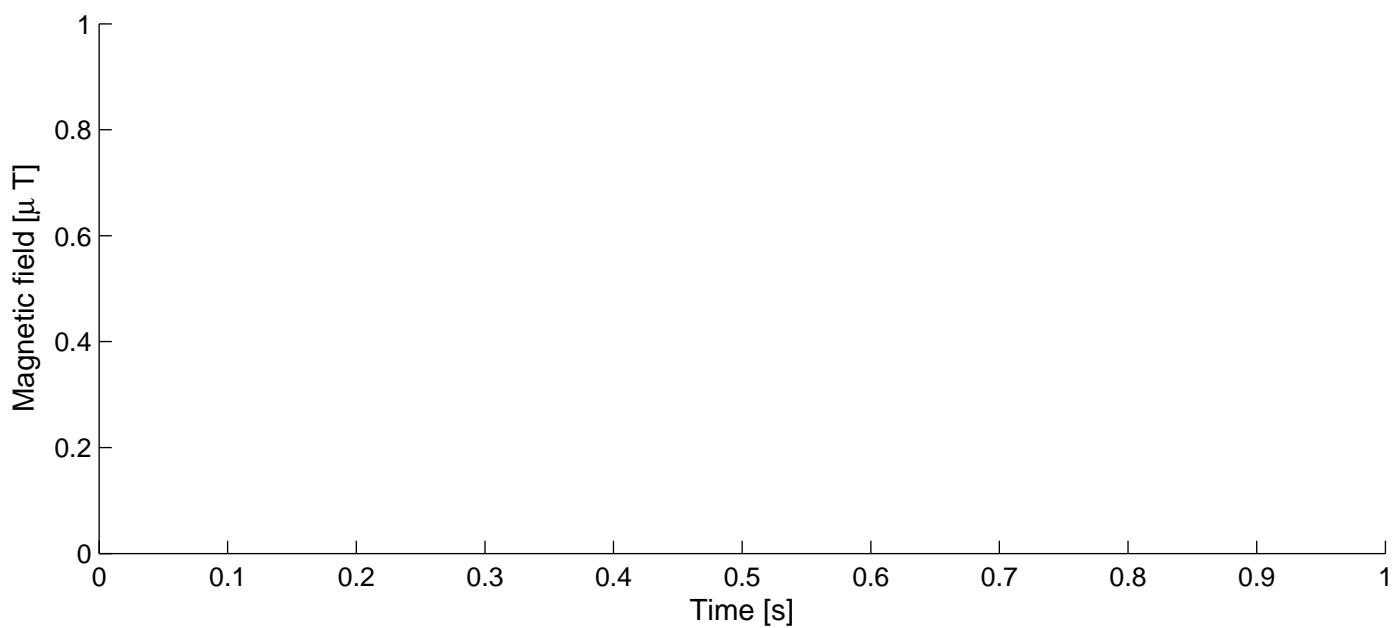
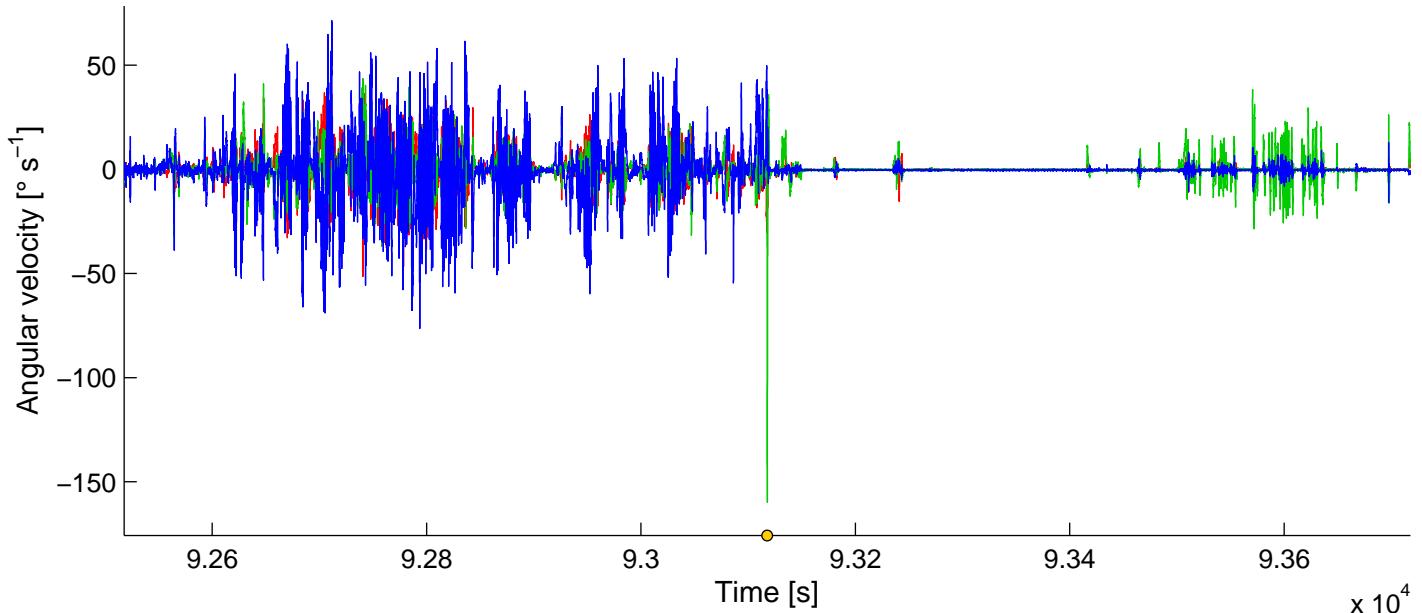
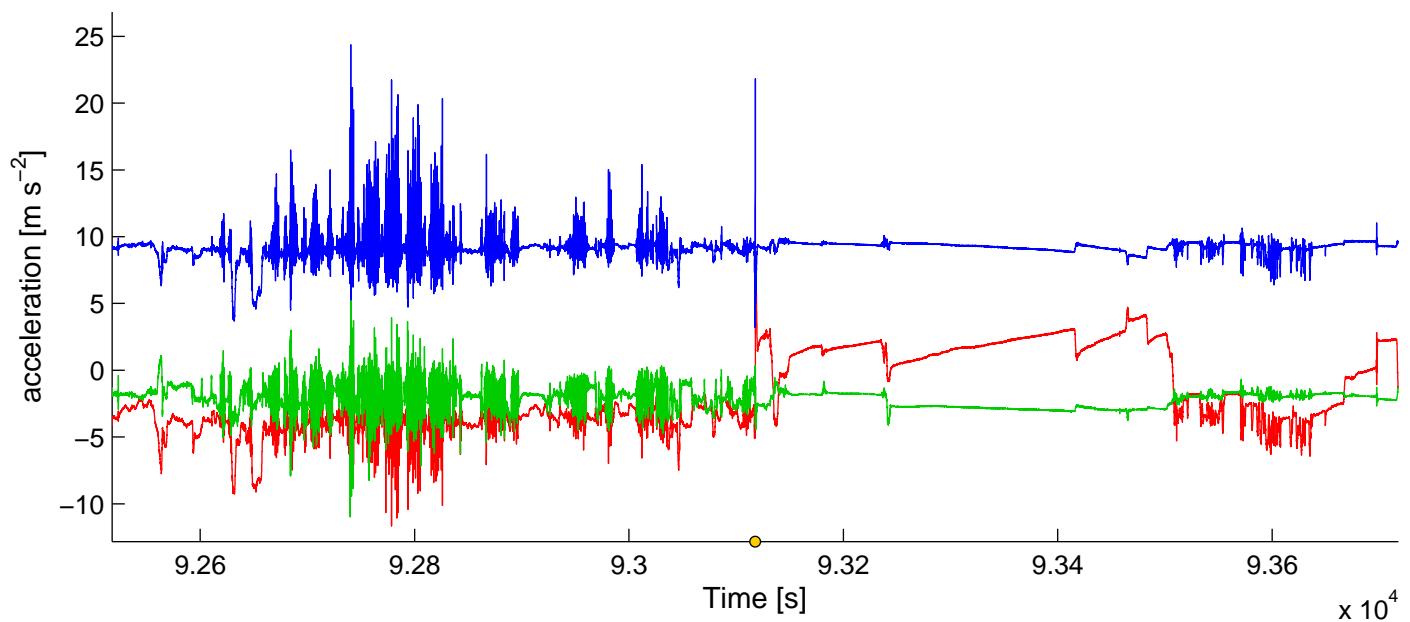
F_42990421-01-2011-02-19-15-59-57.mat

Time window: 60 s



F_42990421-01-2011-02-19-15-59-57.mat

Time window: 1200 s



Fall no.: 42990421-02

Setting: Geriatric rehabilitation

Signal file: F_42990421-02-2011-02-19-22-58-03.mat

Personal characteristics

Gender: Male Age: 72 yrs Height: 178 cm Weight: 92 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 0 Vision: 2

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 19.02.2011 23:00:00 Fall time signal: 19.02.2011 22:58:03

Got up from the chair and wanted to walk

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Transfer

Reported fall direction: Forward

Indoor/outdoor: Yes

Place of fall: Living room at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

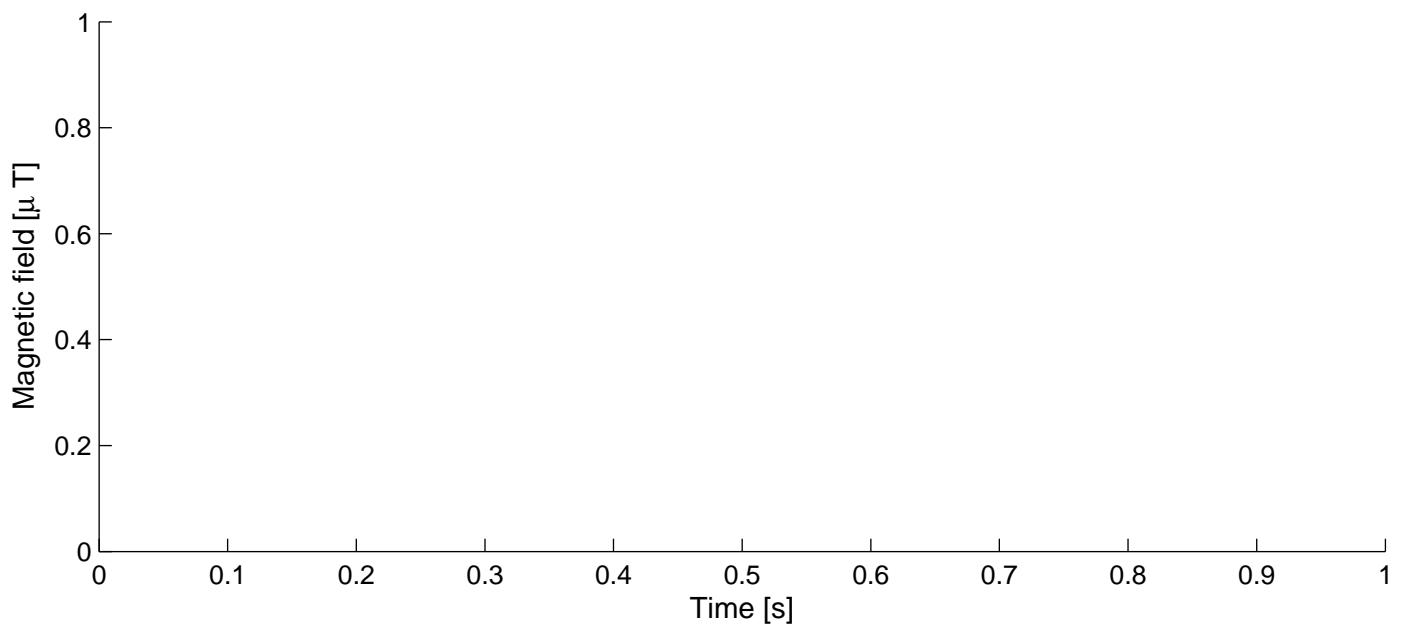
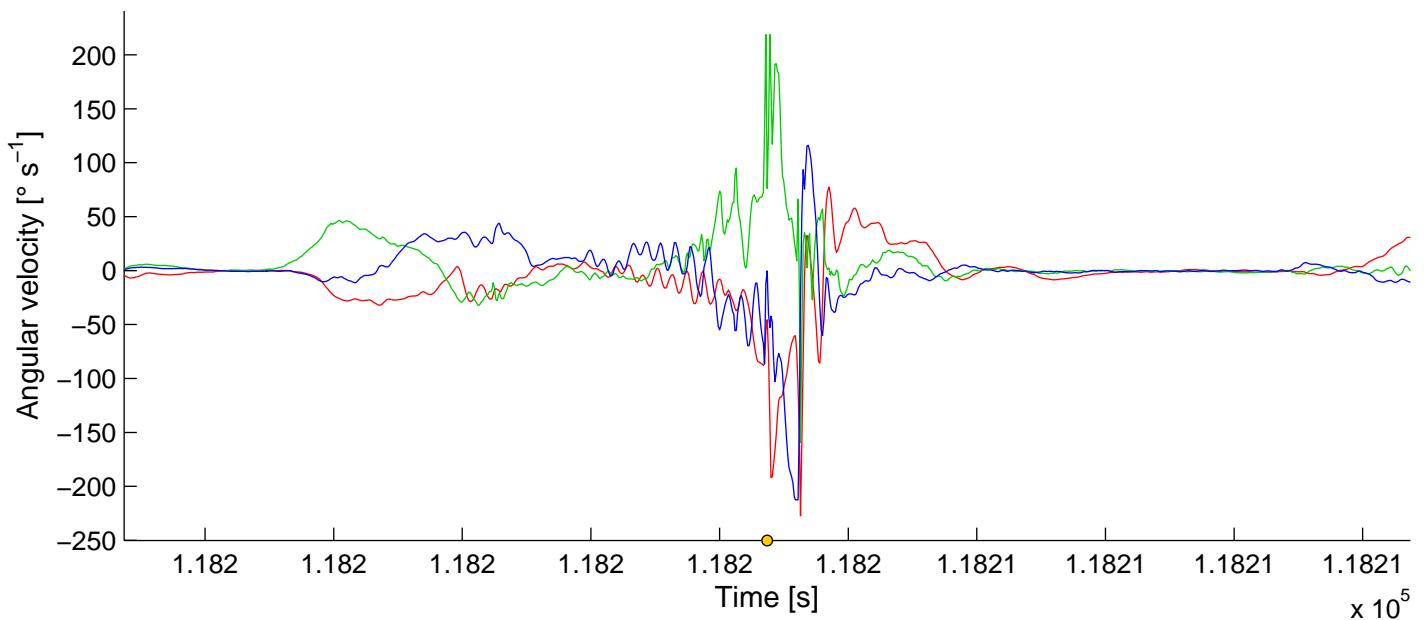
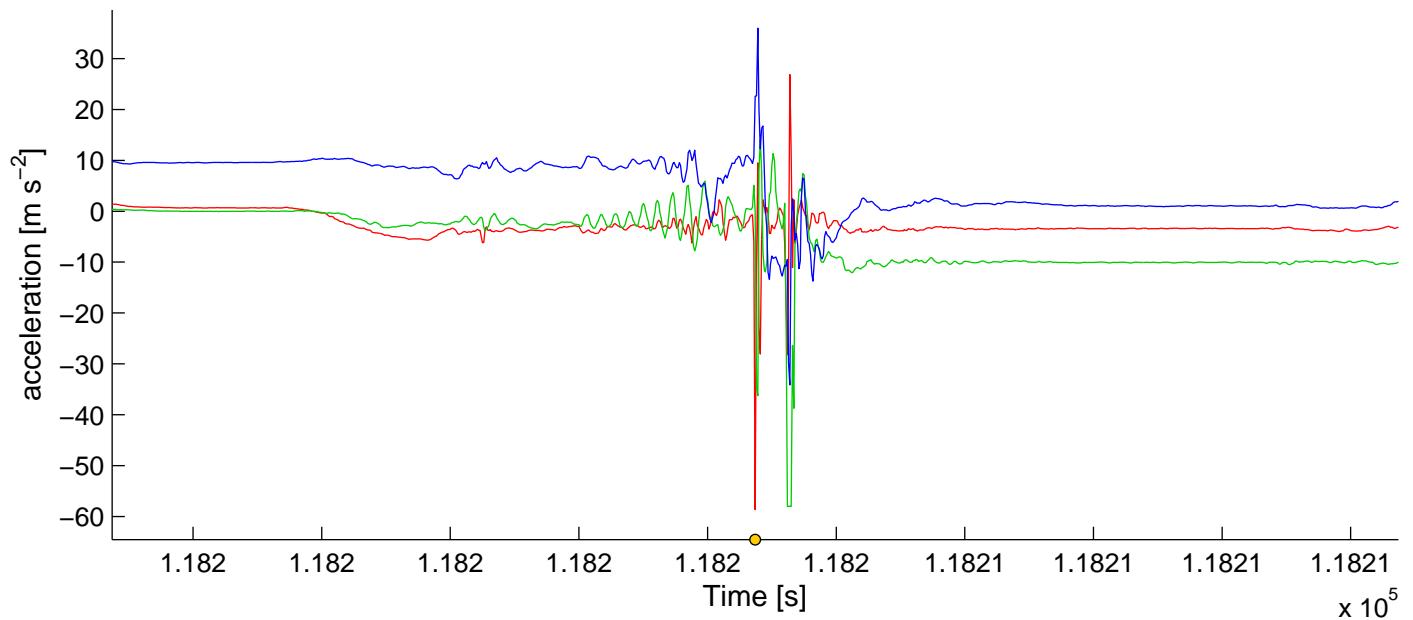
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

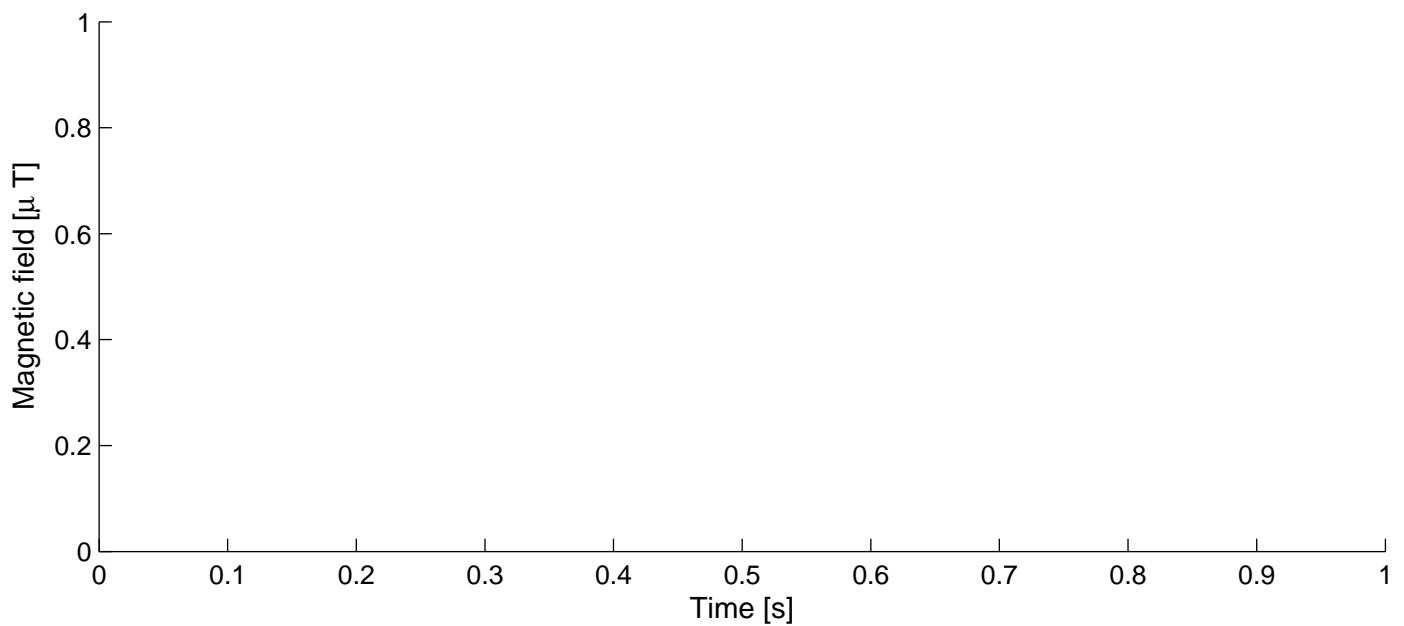
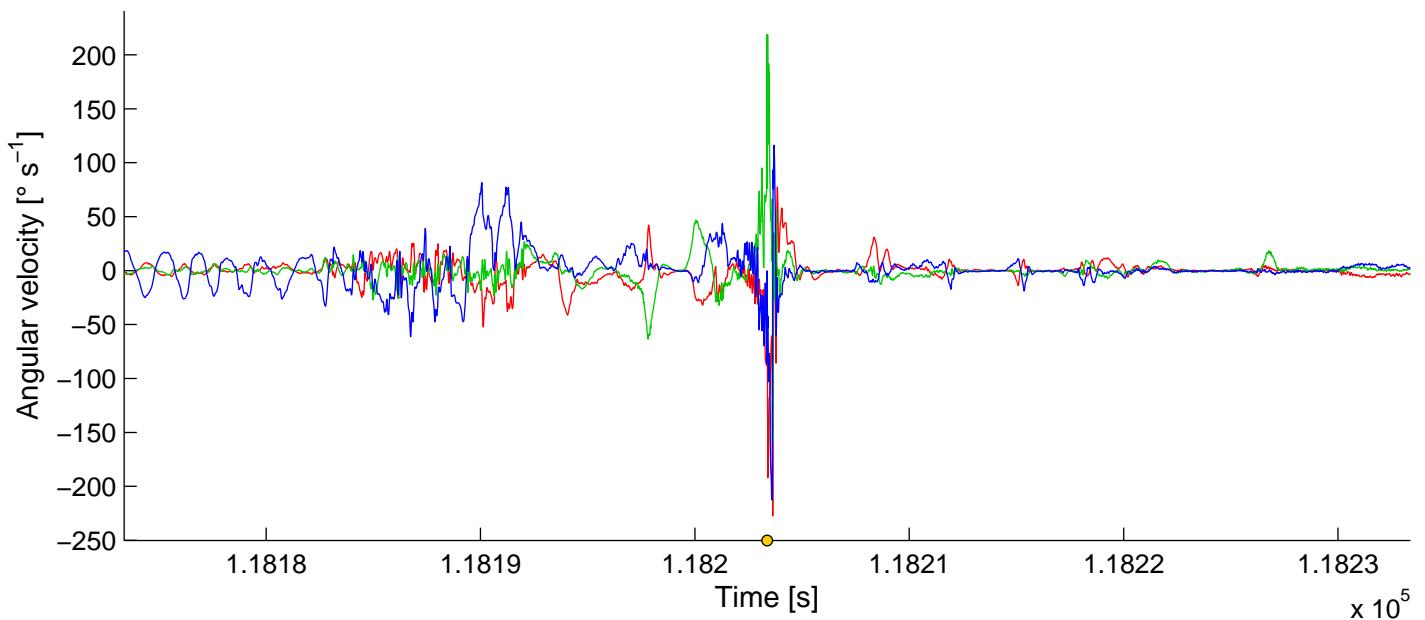
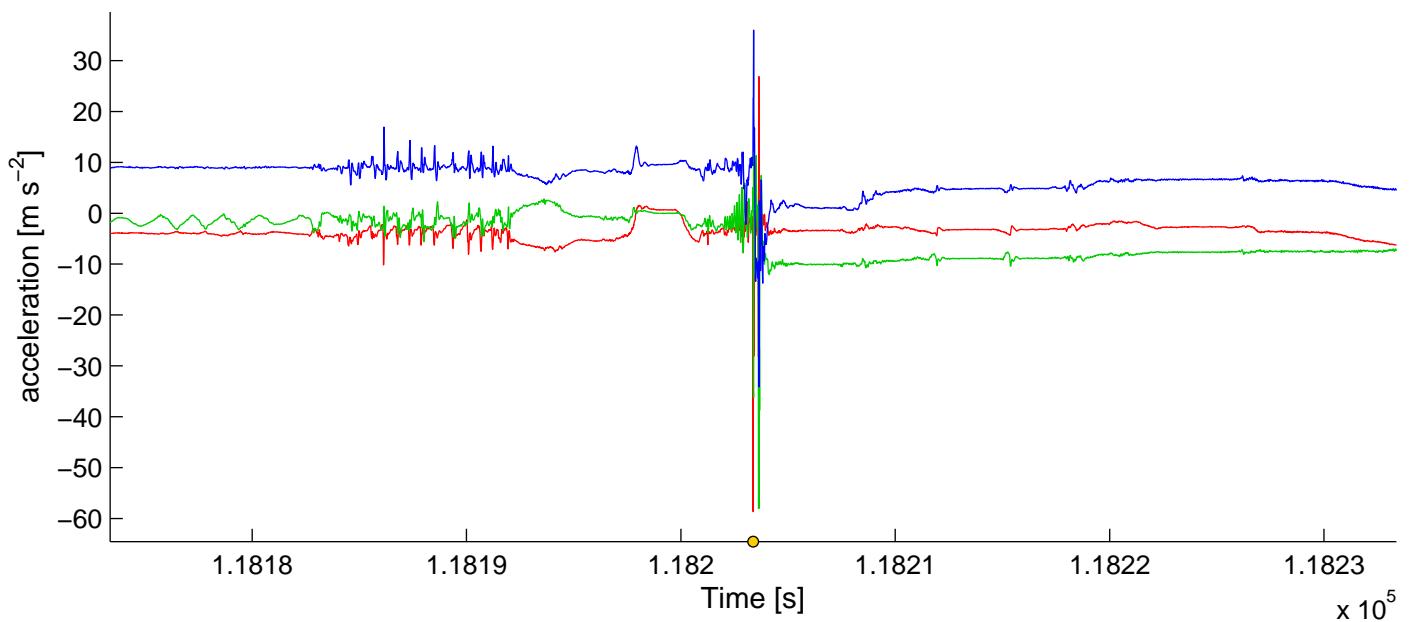
F_42990421-02-2011-02-19-22-58-03.mat

Time window: 10 s



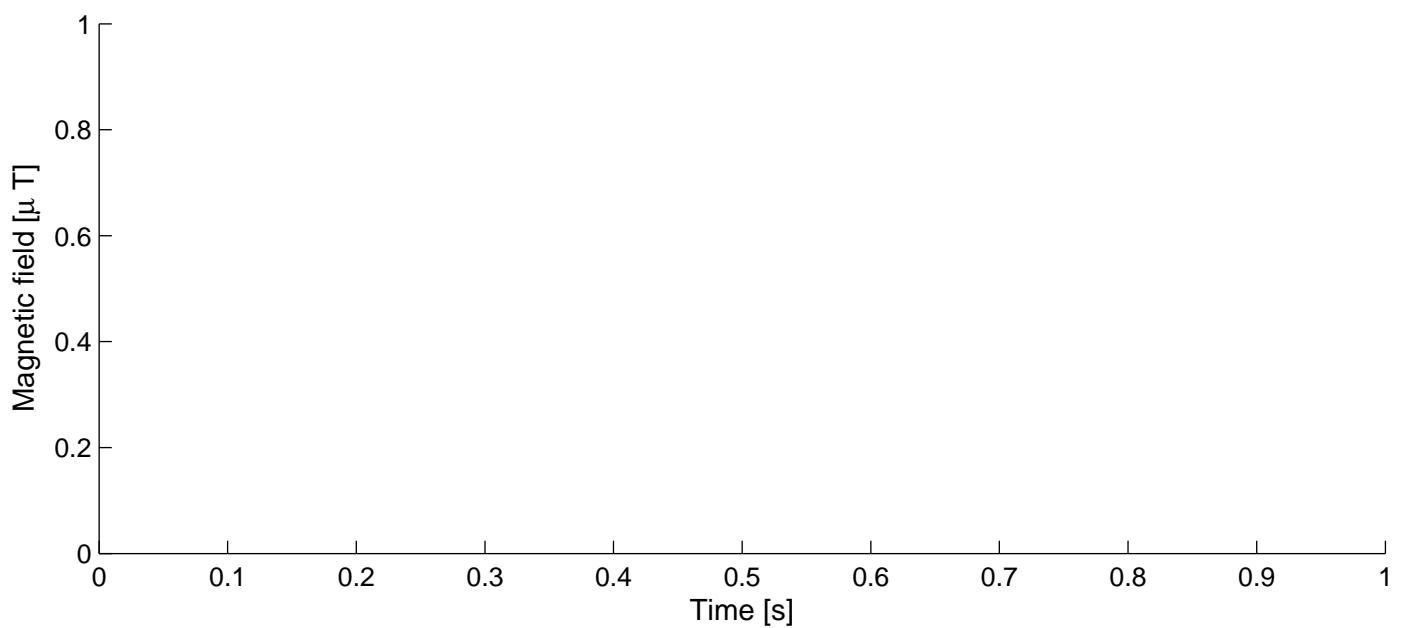
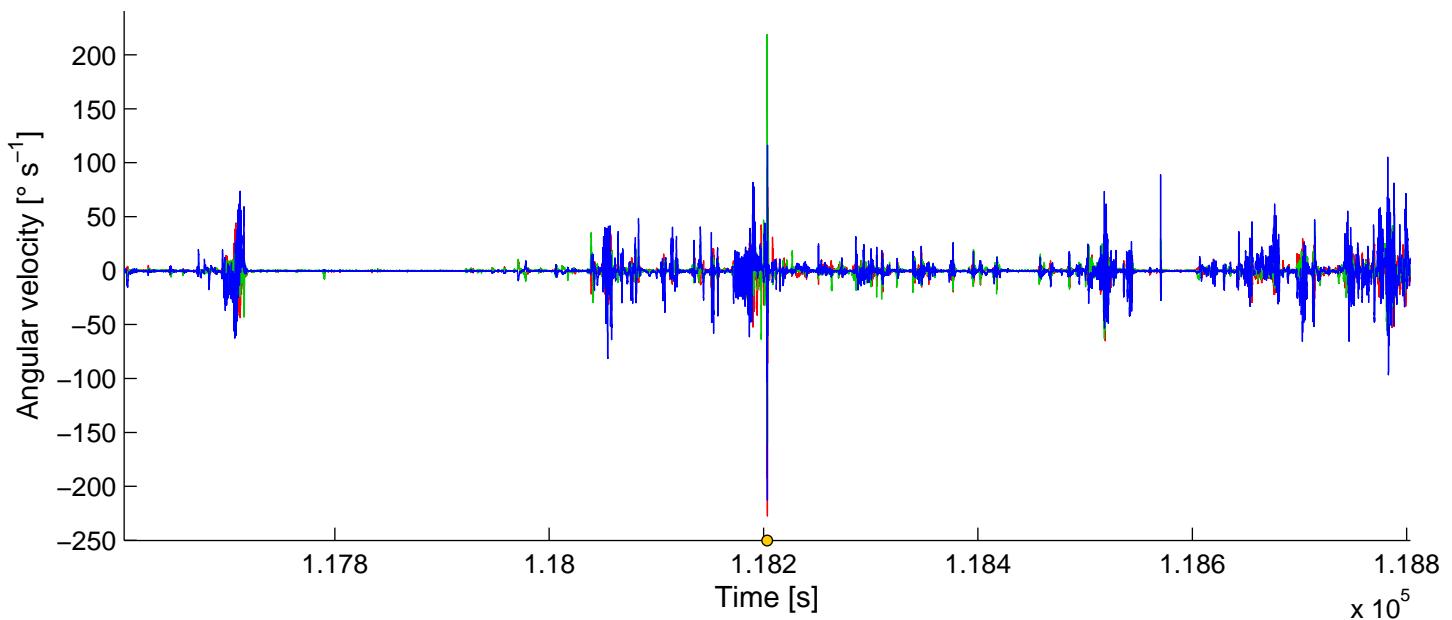
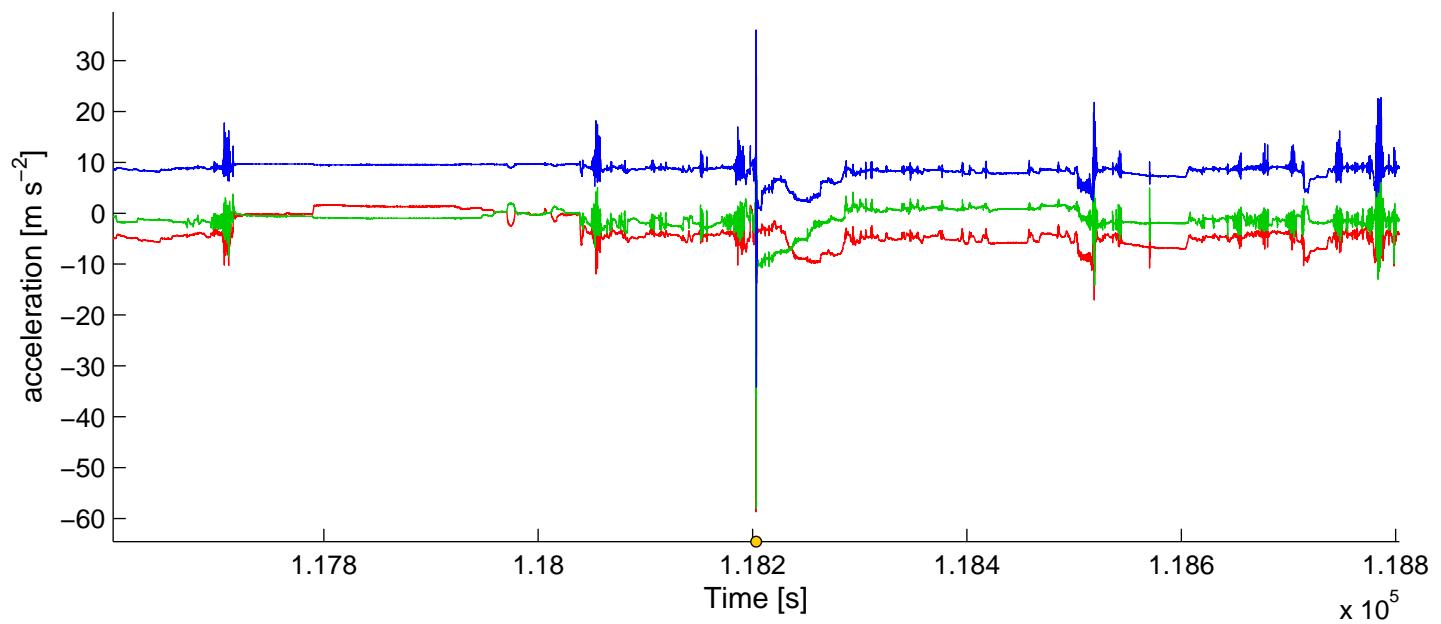
F_42990421-02-2011-02-19-22-58-03.mat

Time window: 60 s



F_42990421-02-2011-02-19-22-58-03.mat

Time window: 1200 s



Fall no.: 42990421-03a

Setting: Geriatric rehabilitation

Signal file: F_42990421-03a-2011-03-23-16-50-02.mat

Personal characteristics

Gender: Male Age: 72 yrs Height: 178 cm Weight: 92 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 0 Vision: 2

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 23.03.2011 16:50:00 Fall time signal: 23.03.2011 16:50:02

When trying to move to the side, wheeled walker fell forward. Freezing of the movement.

Witnessed: No Assistive device: Yes

Reported pre-fall activity: Walking

Reported fall direction: Side-/forward

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patient room

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

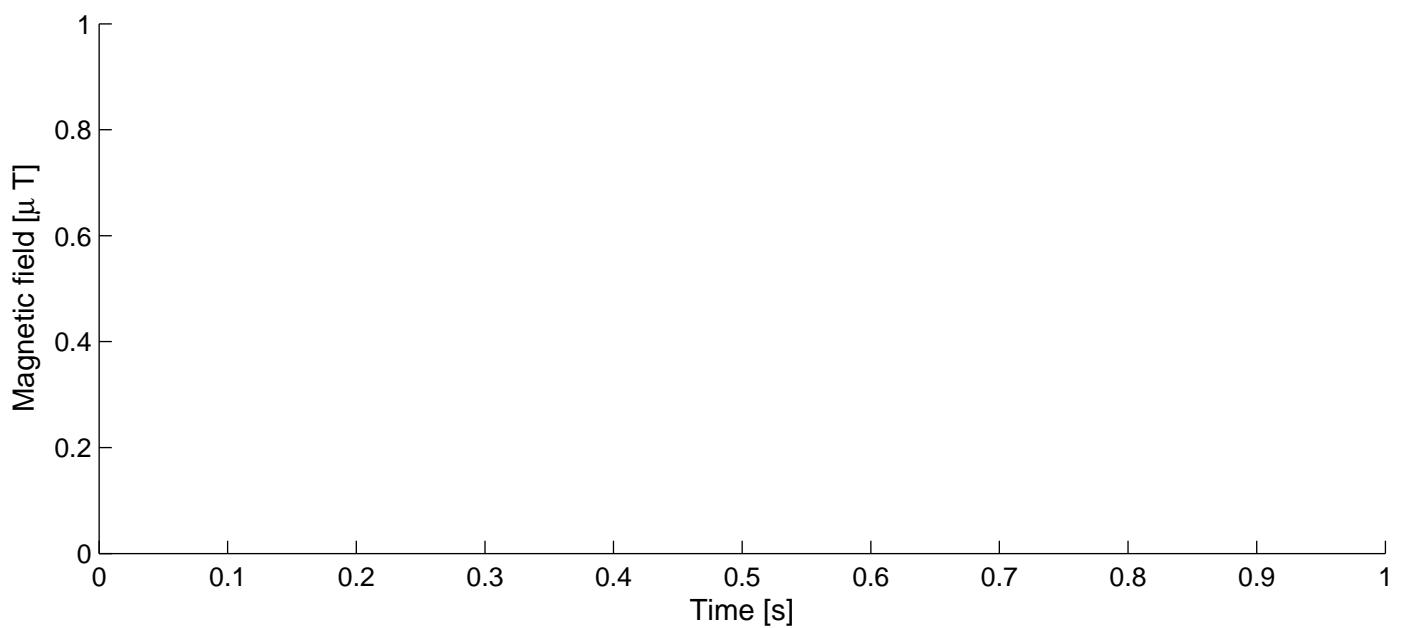
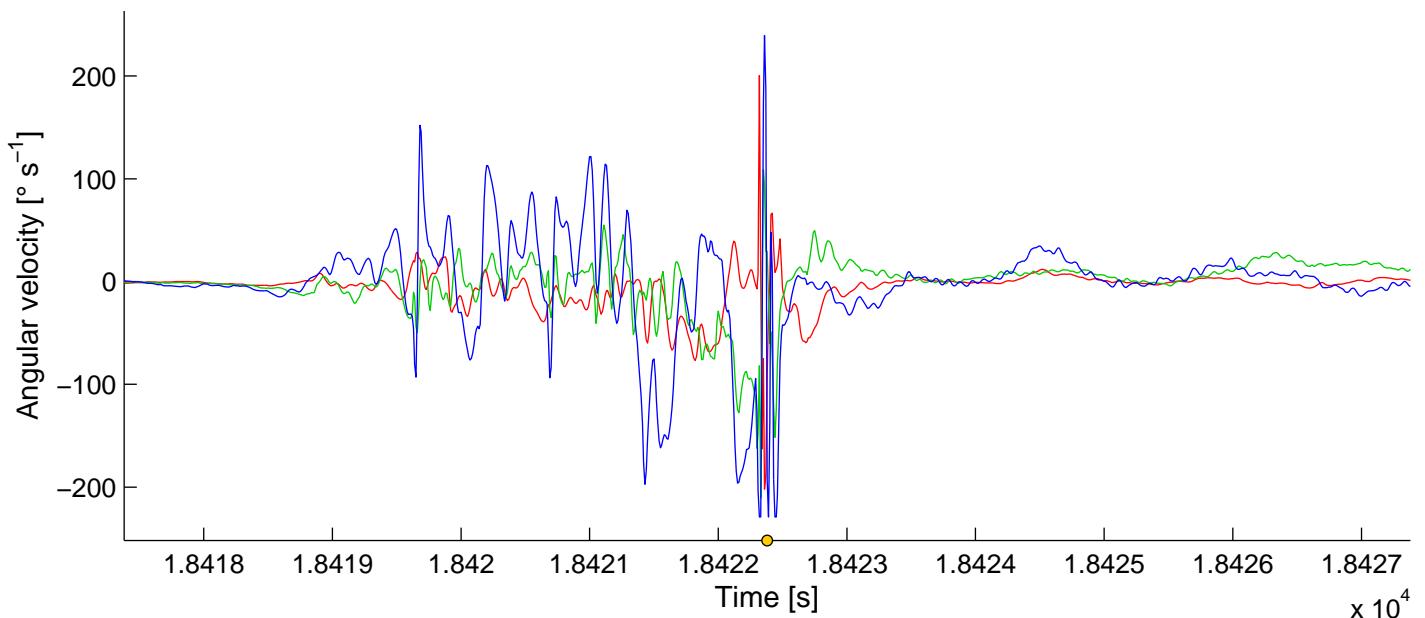
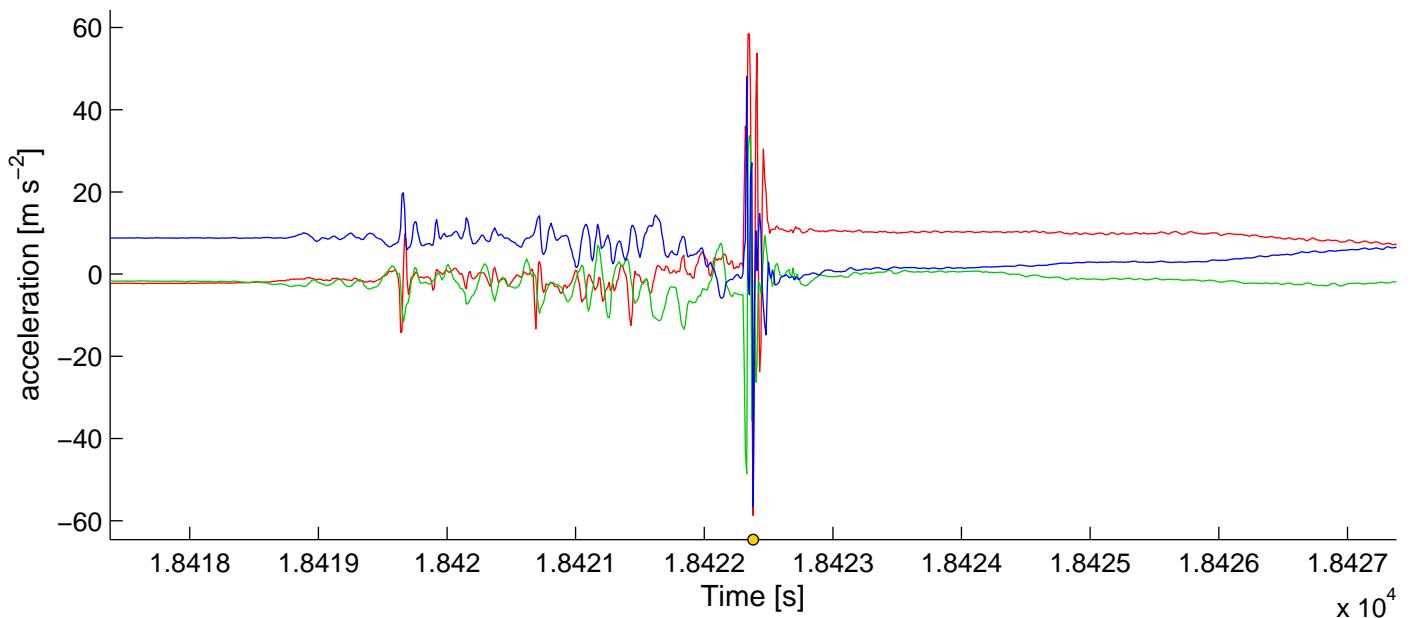
Injury: No Injury classification: C

Injury location: NA Adopted measures: No medical contact

Injury description: NA

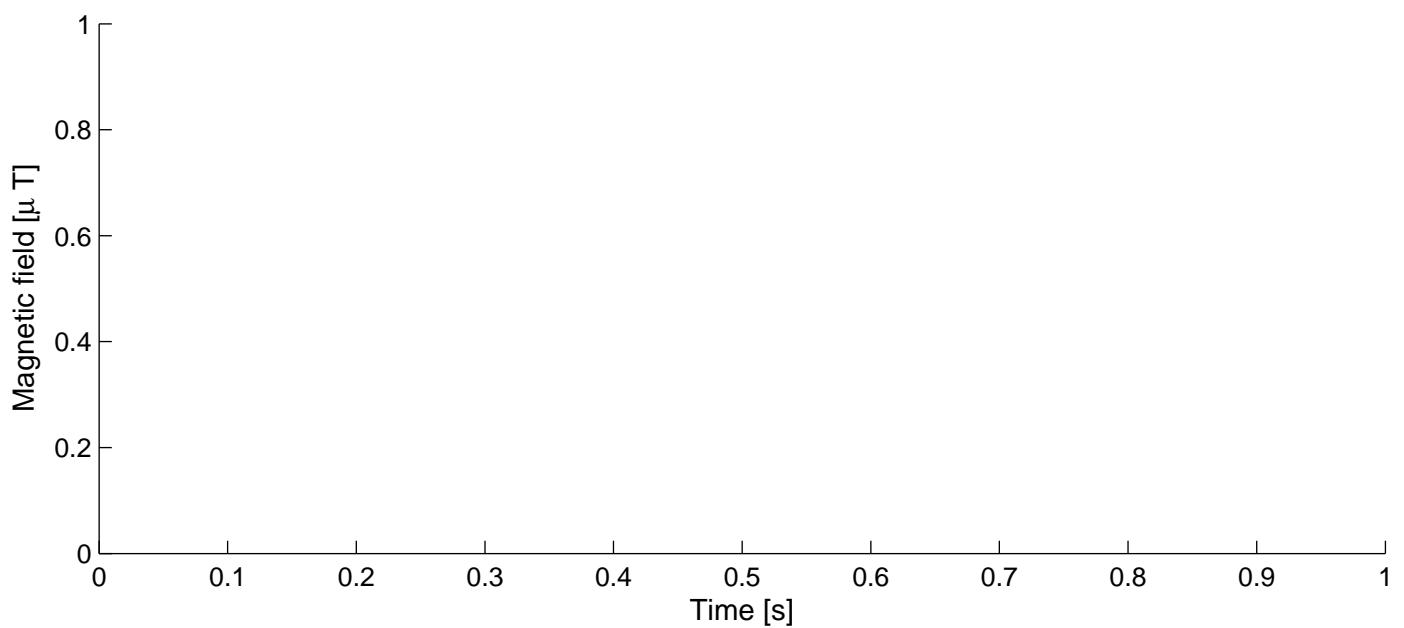
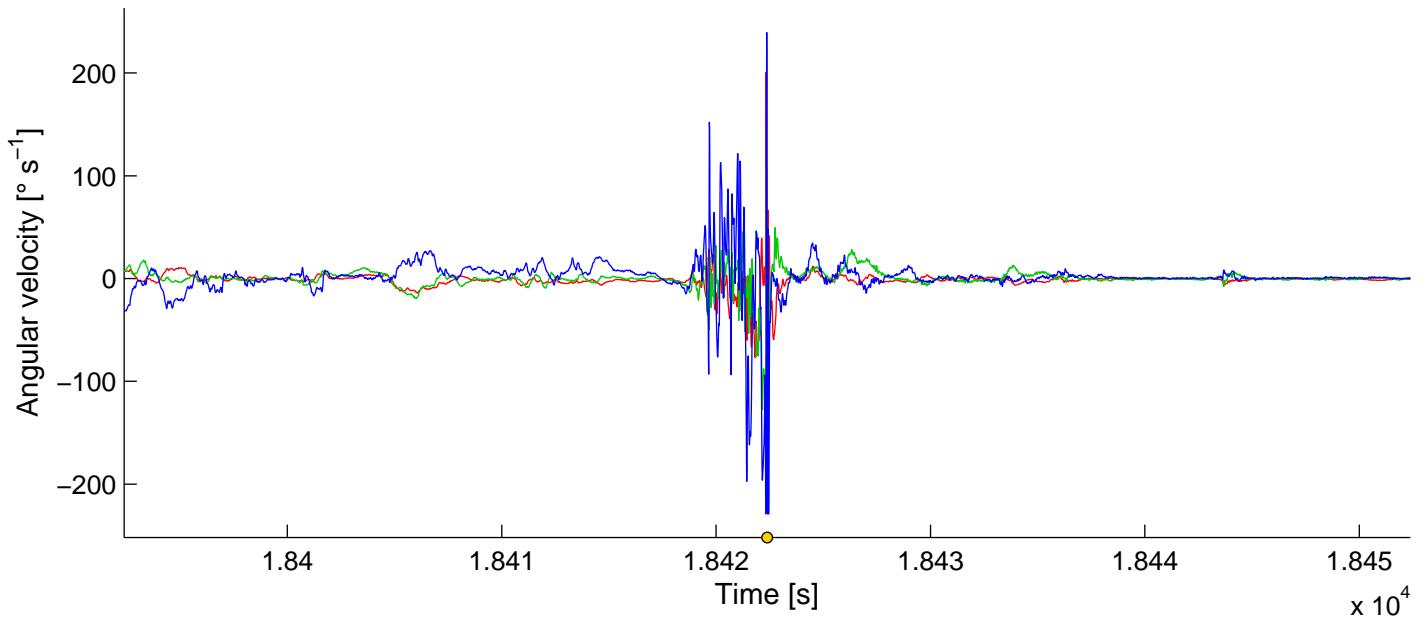
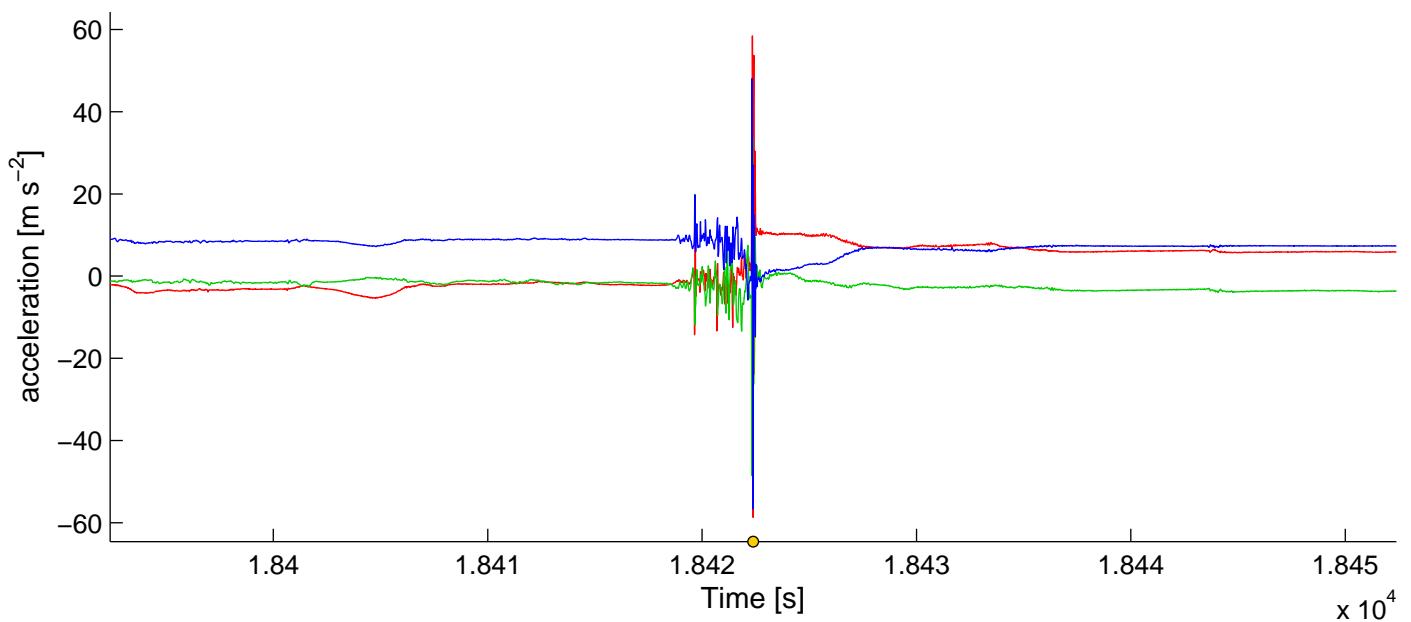
F_42990421-03a-2011-03-23-16-50-02.mat

Time window: 10 s



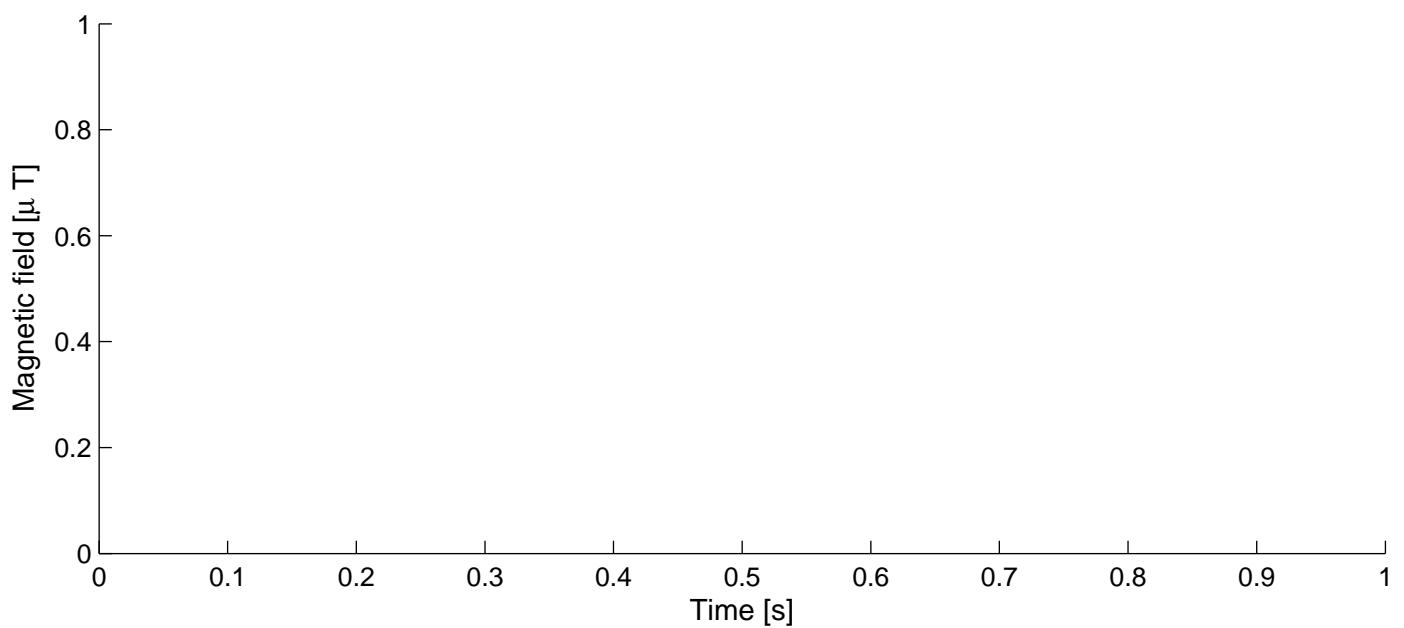
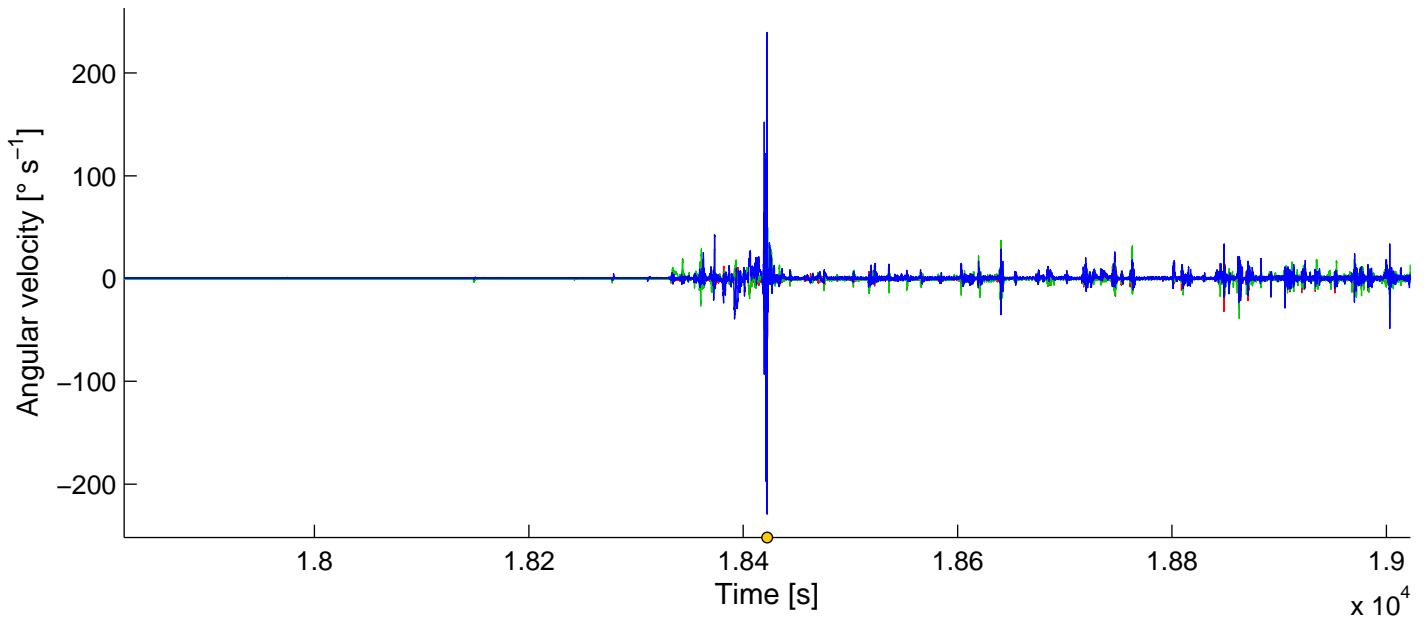
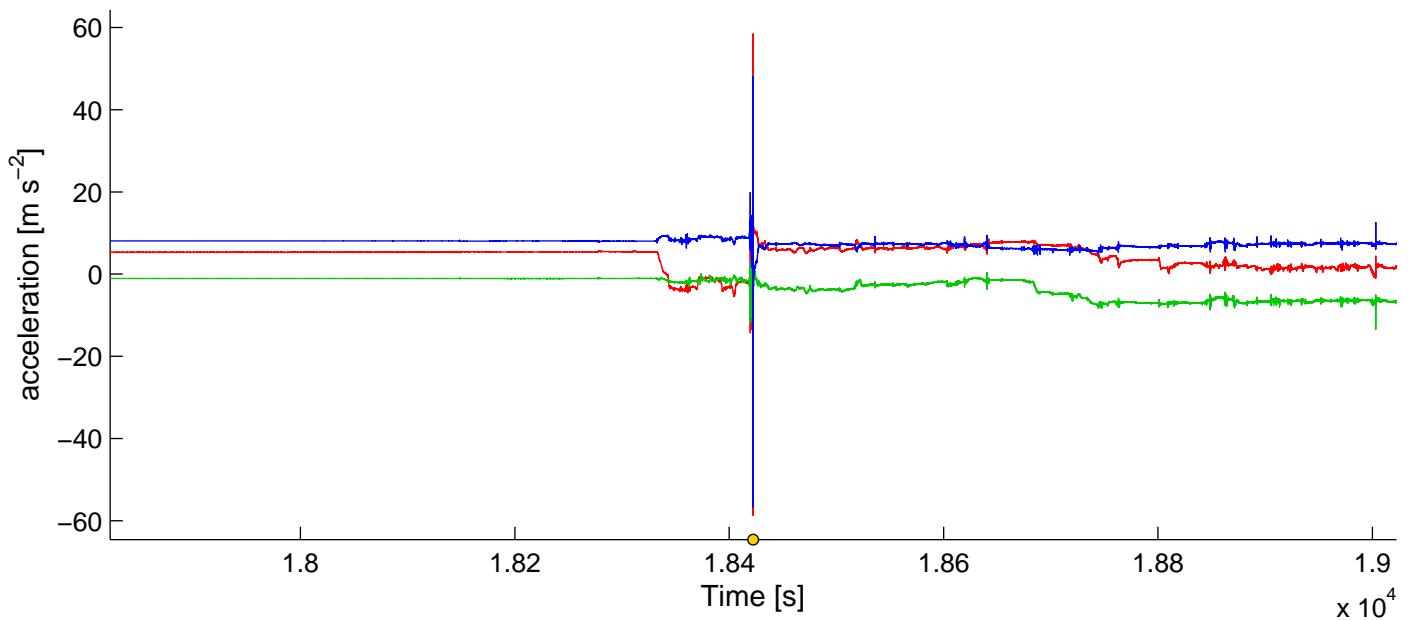
F_42990421-03a-2011-03-23-16-50-02.mat

Time window: 60 s



F_42990421-03a-2011-03-23-16-50-02.mat

Time window: 1200 s



Fall no.: 47451392-01

Setting: Geriatric rehabilitation

Signal file: F_47451392-01-2014-01-22-22-42-34.mat

Personal characteristics

Gender: Male Age: 79 yrs Height: 181 cm Weight: 86 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 4 Sit-to-stand transfer: 4

Gait: 4 Cognition: 4

Emotional disturbance: 1 Vision: 2

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 22.01.2014 23:00:00 Fall time signal: 22.01.2014 22:42:34

Walking to the toilet, slipped and fell on the side to the floor.

Witnessed: No Assistive device: No

Reported pre-fall activity: Walking

Reported fall direction: Sideward

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patient room

Multiple impact: Unknown Fall on: Floor

Got up without help: No

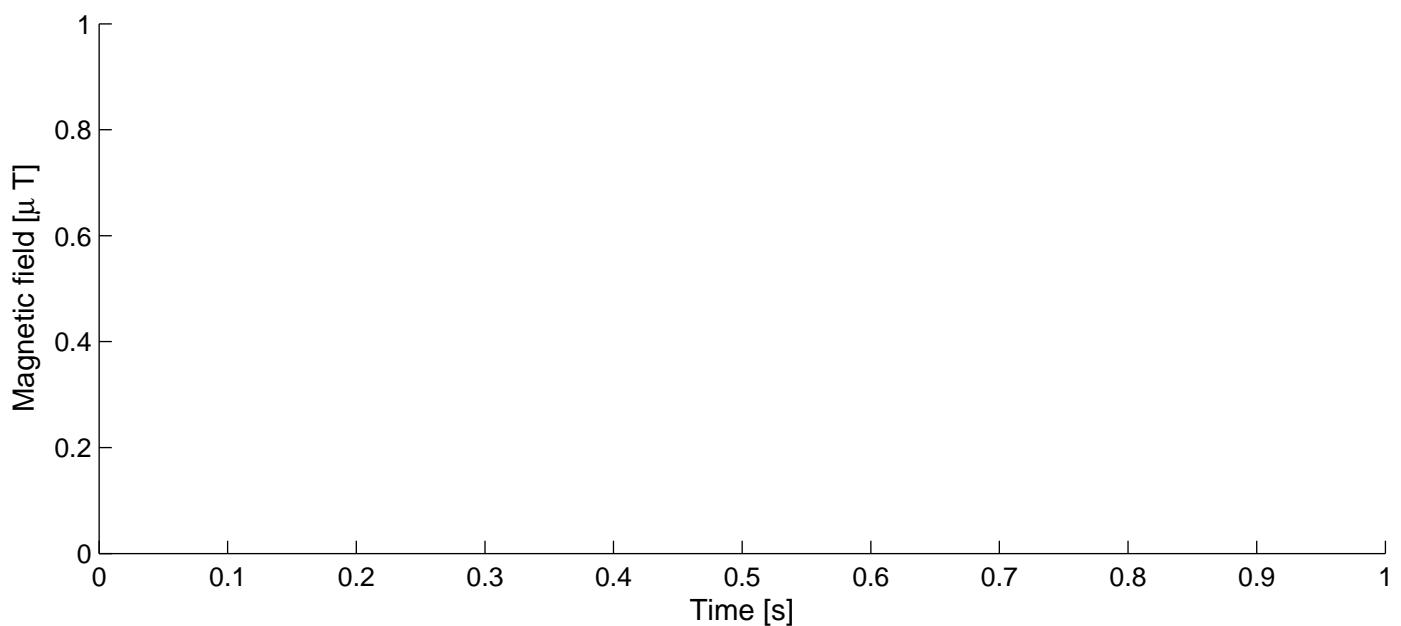
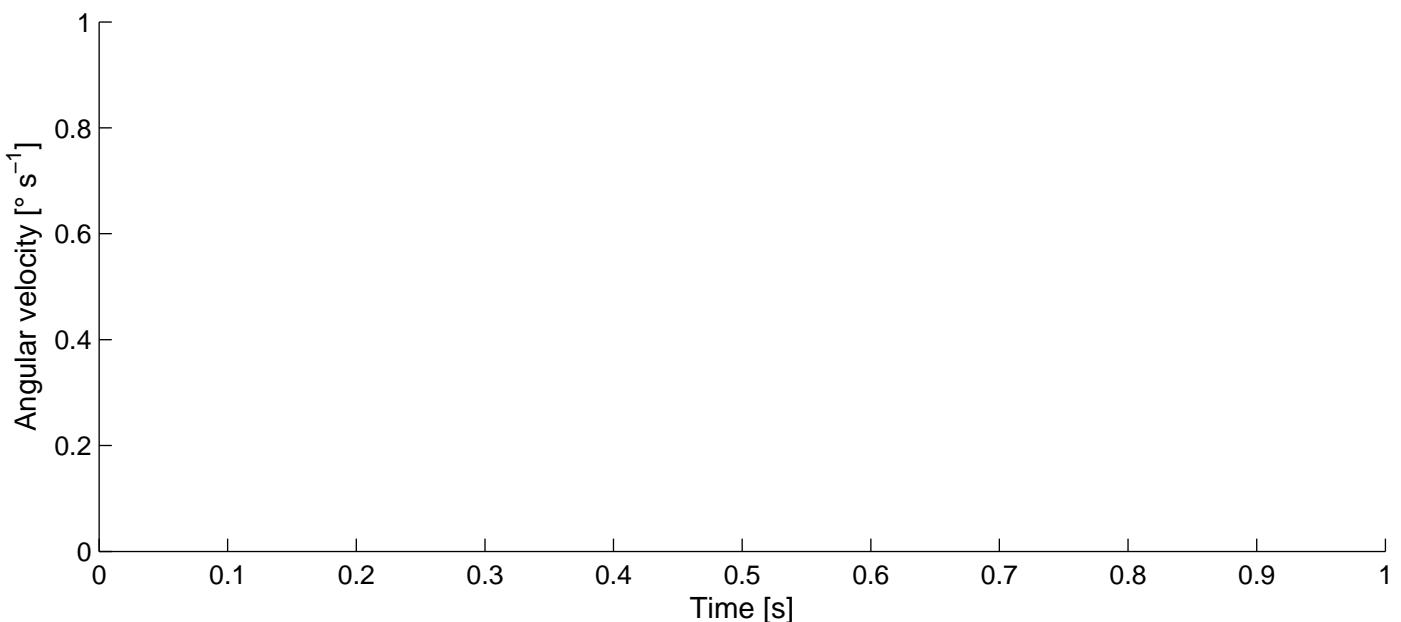
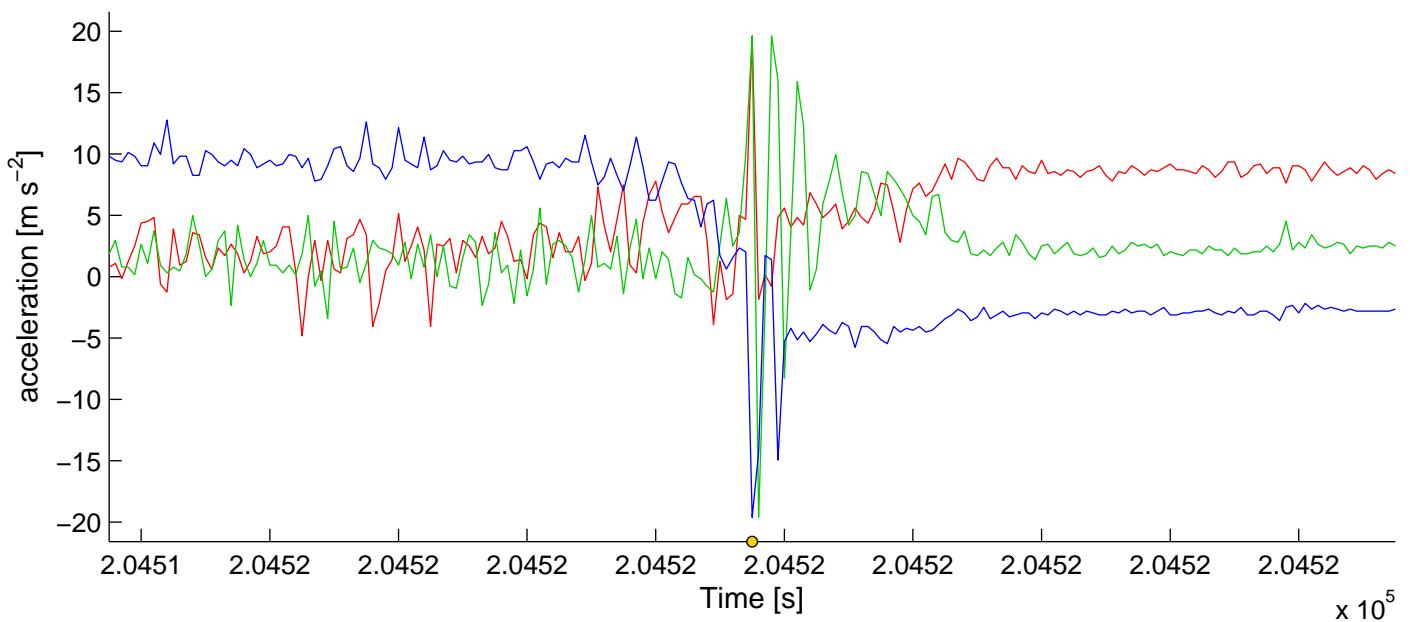
Injury: No Injury classification: C

Injury location: NA Adopted measures: Medical check-up

Injury description: NA

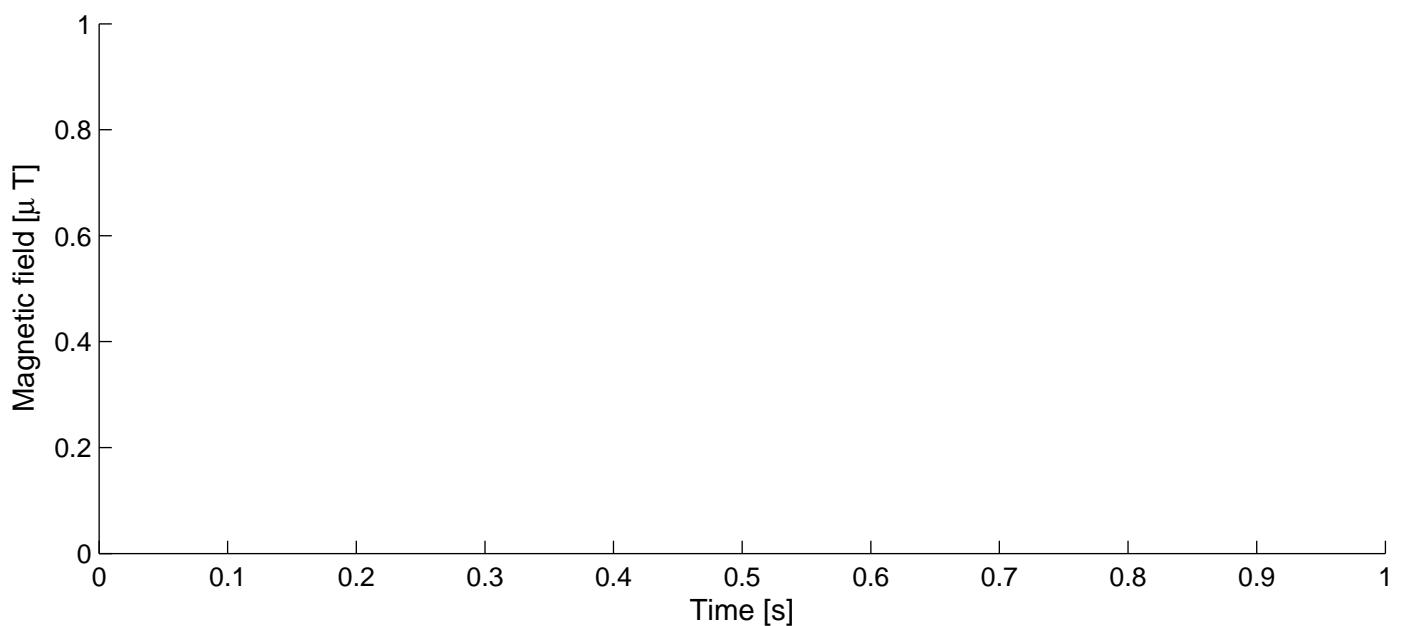
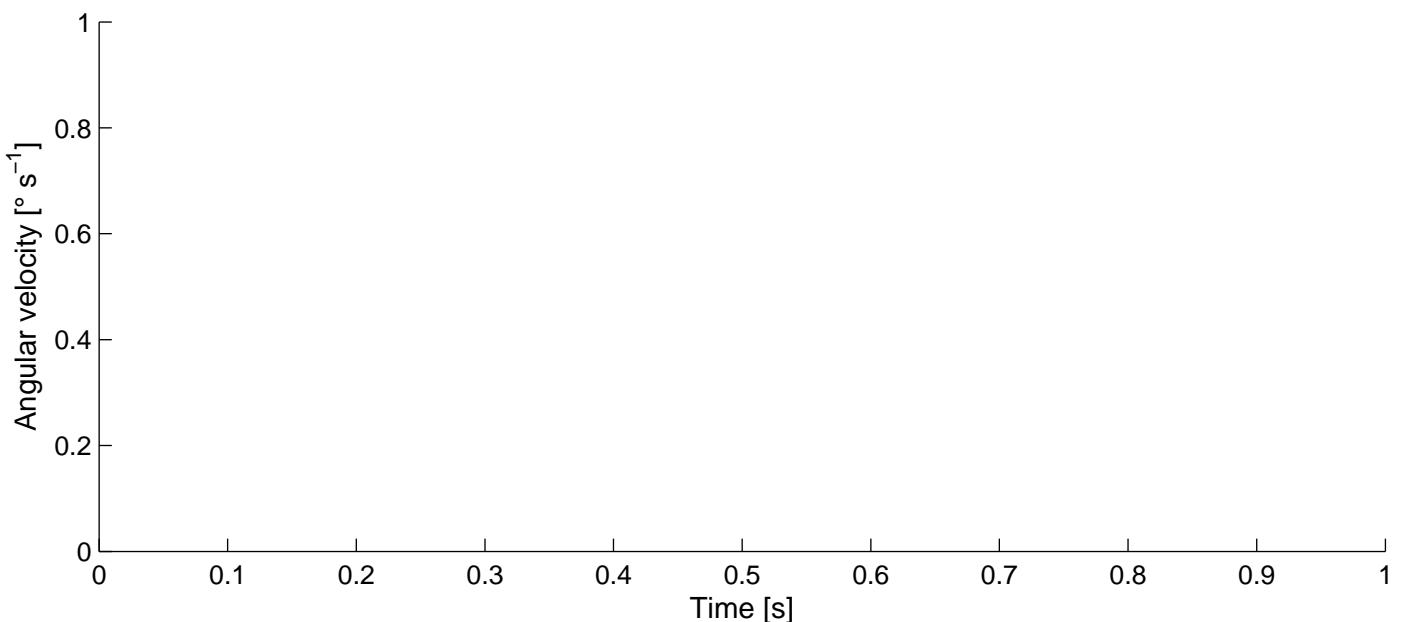
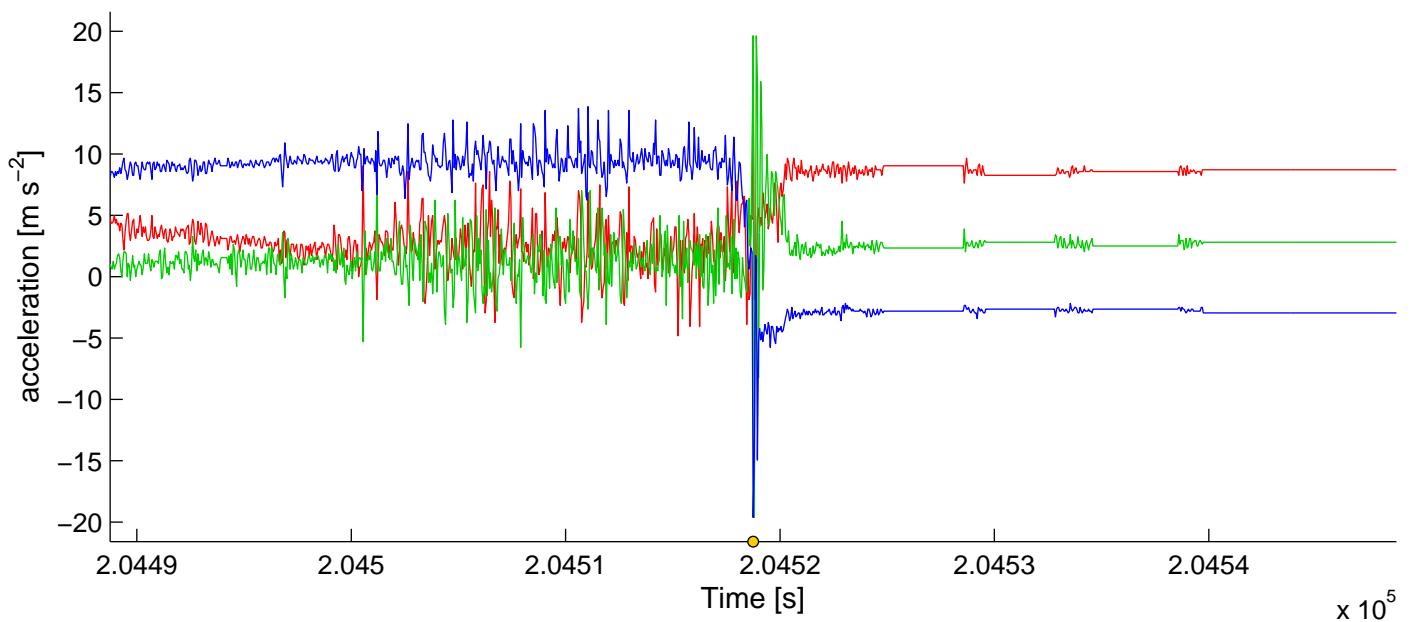
F_47451392-01-2014-01-22-22-42-34.mat

Time window: 10 s



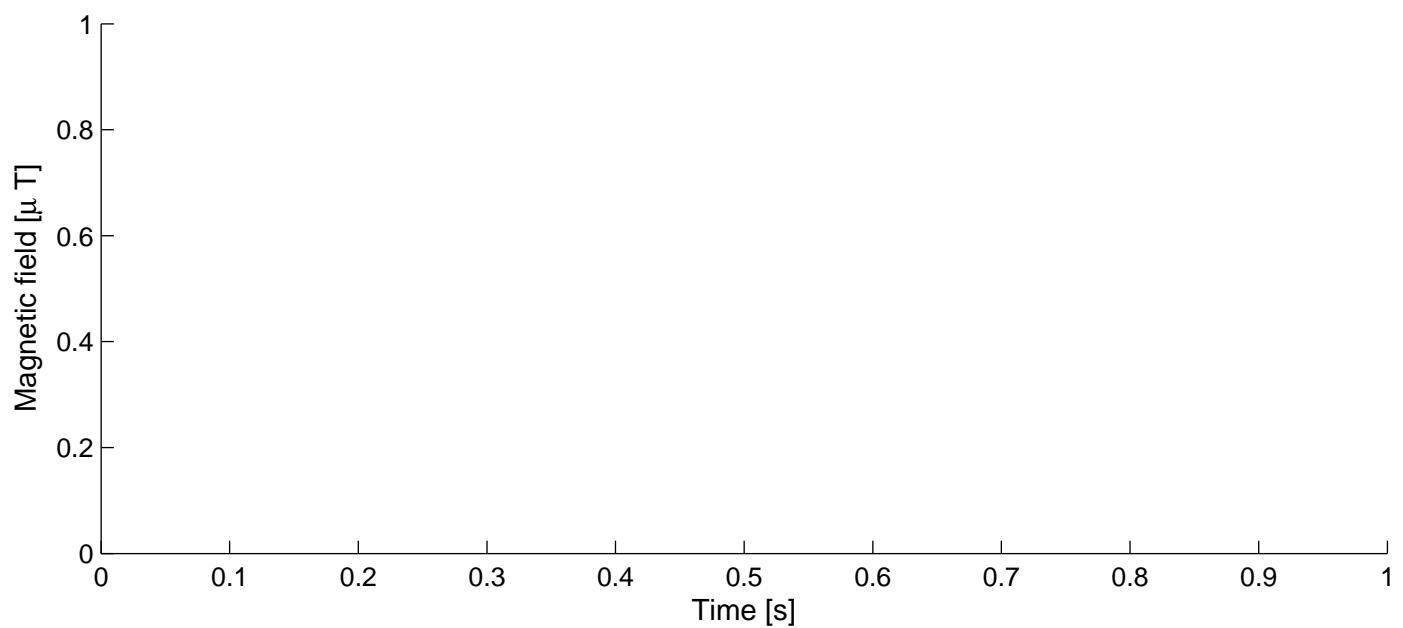
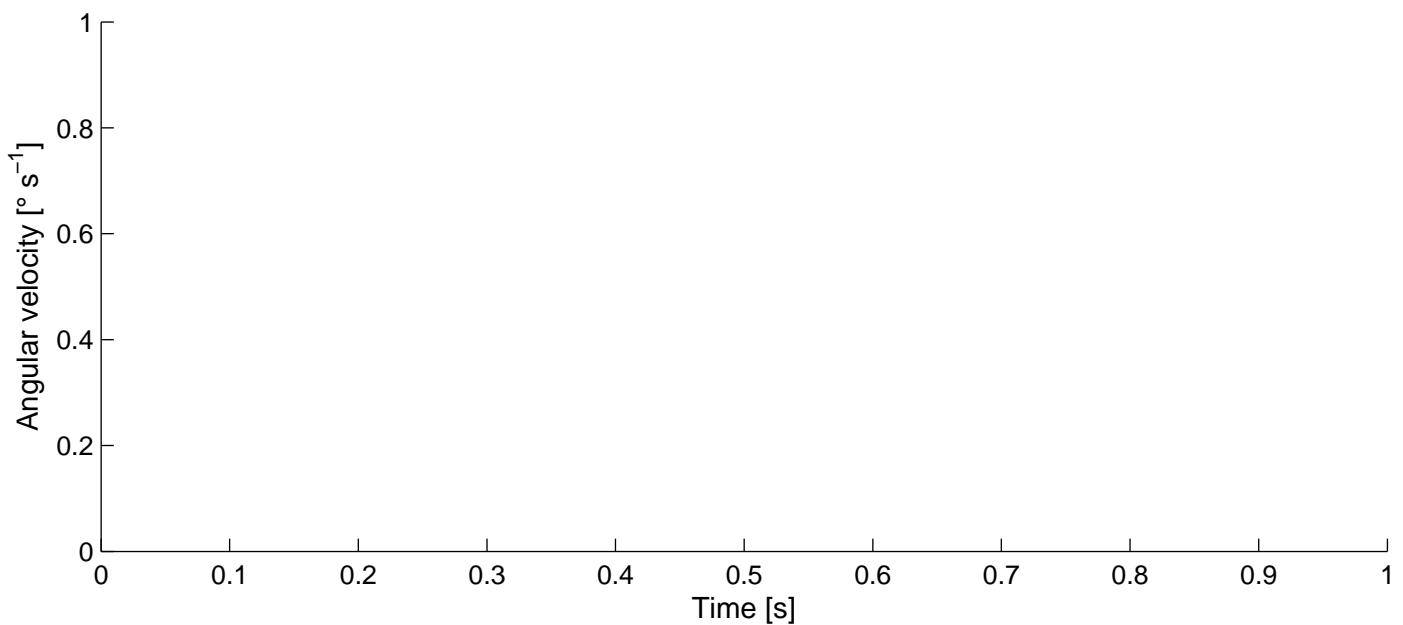
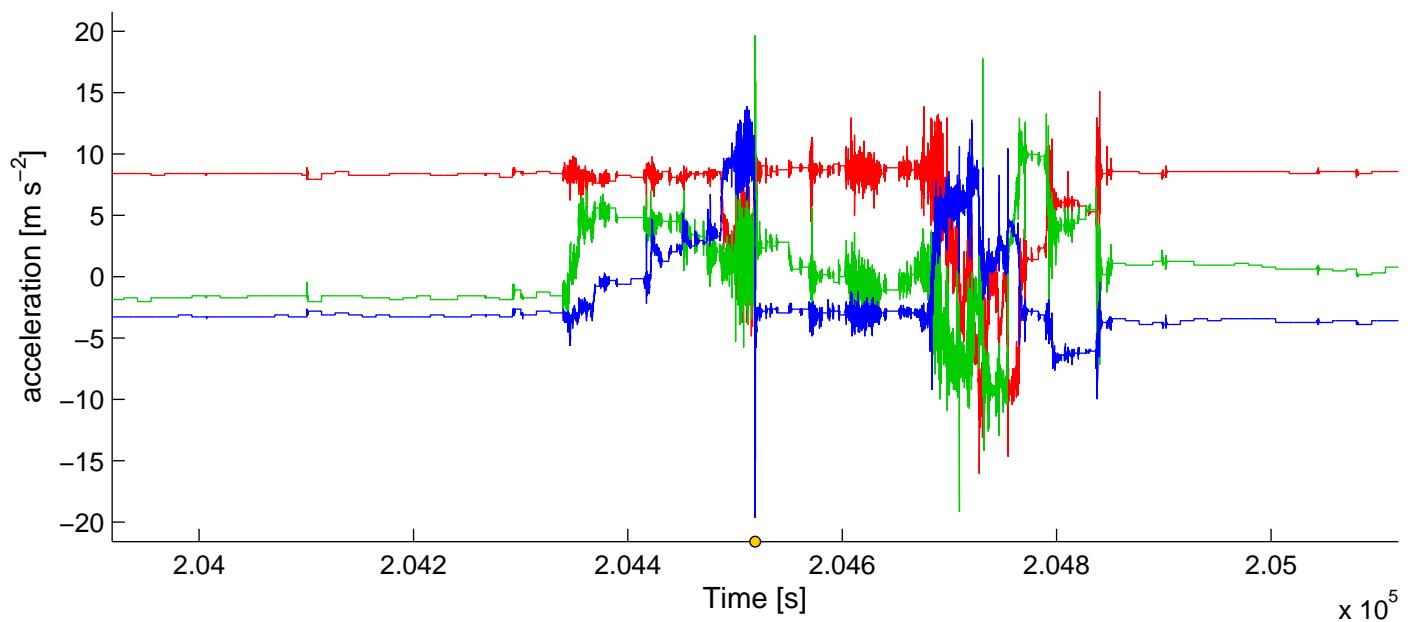
F_47451392-01-2014-01-22-22-42-34.mat

Time window: 60 s



F_47451392-01-2014-01-22-22-42-34.mat

Time window: 1200 s



Fall no.: 63414187-01

Setting: Geriatric rehabilitation

Signal file: F_63414187-01-2013-05-30-22-48-27.mat

Personal characteristics

Gender: Male Age: 79 yrs Height: 180 cm Weight: 77 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 2 Cognition: 2

Emotional disturbance: 0 Vision: 0

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 30.05.2013 23:10:00 Fall time signal: 30.05.2013 22:48:27

Wanted to pick up the urine bottle, fell down during sit-to-stand transfer.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Transfer

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patient room

Multiple impact: Unknown Fall on: Floor

Got up without help: No

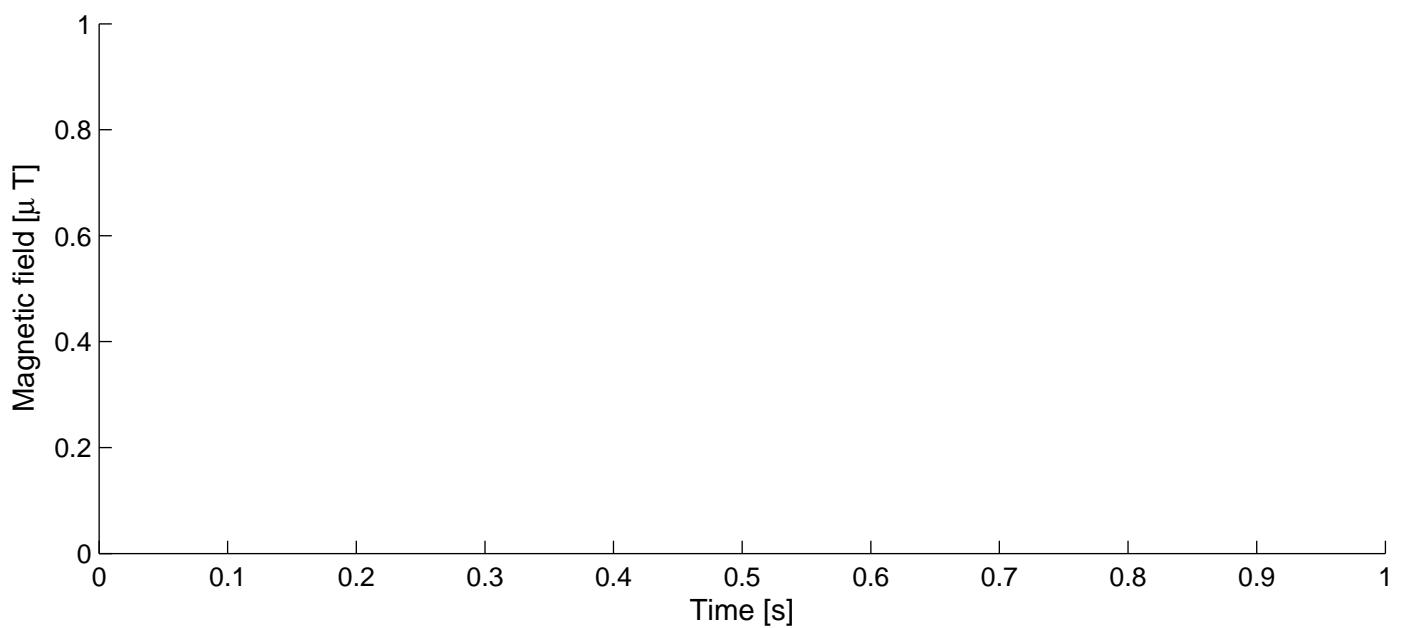
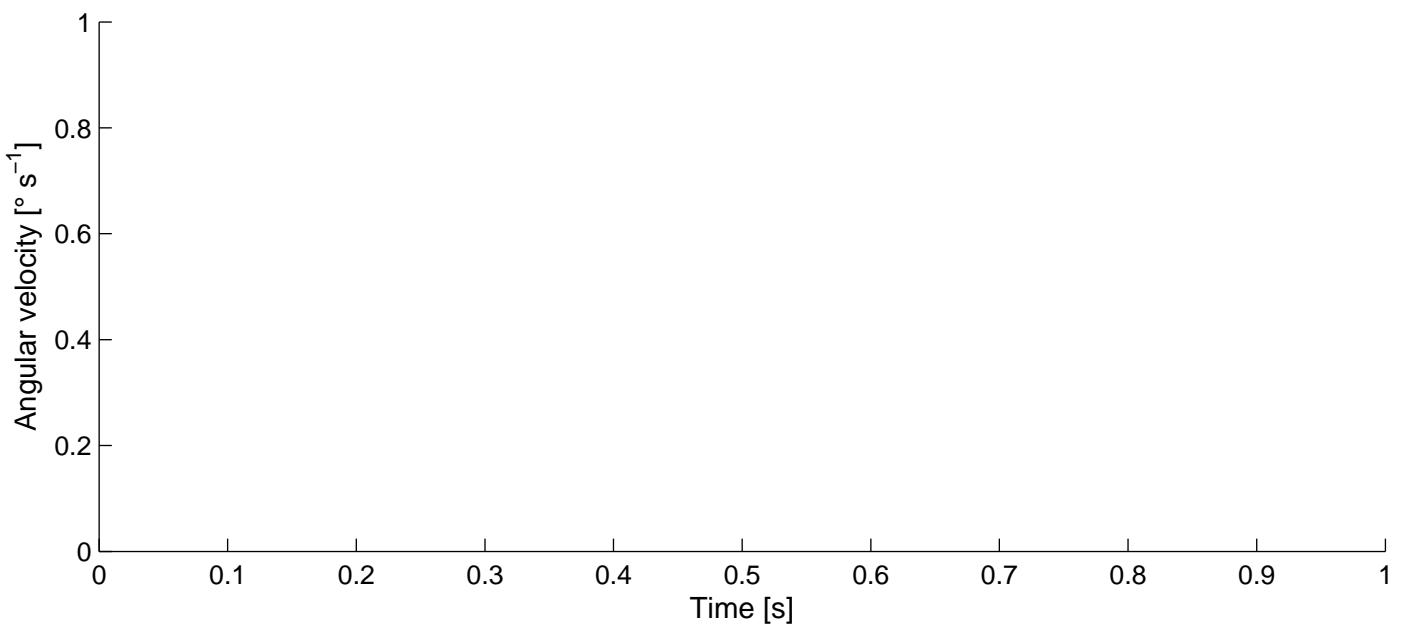
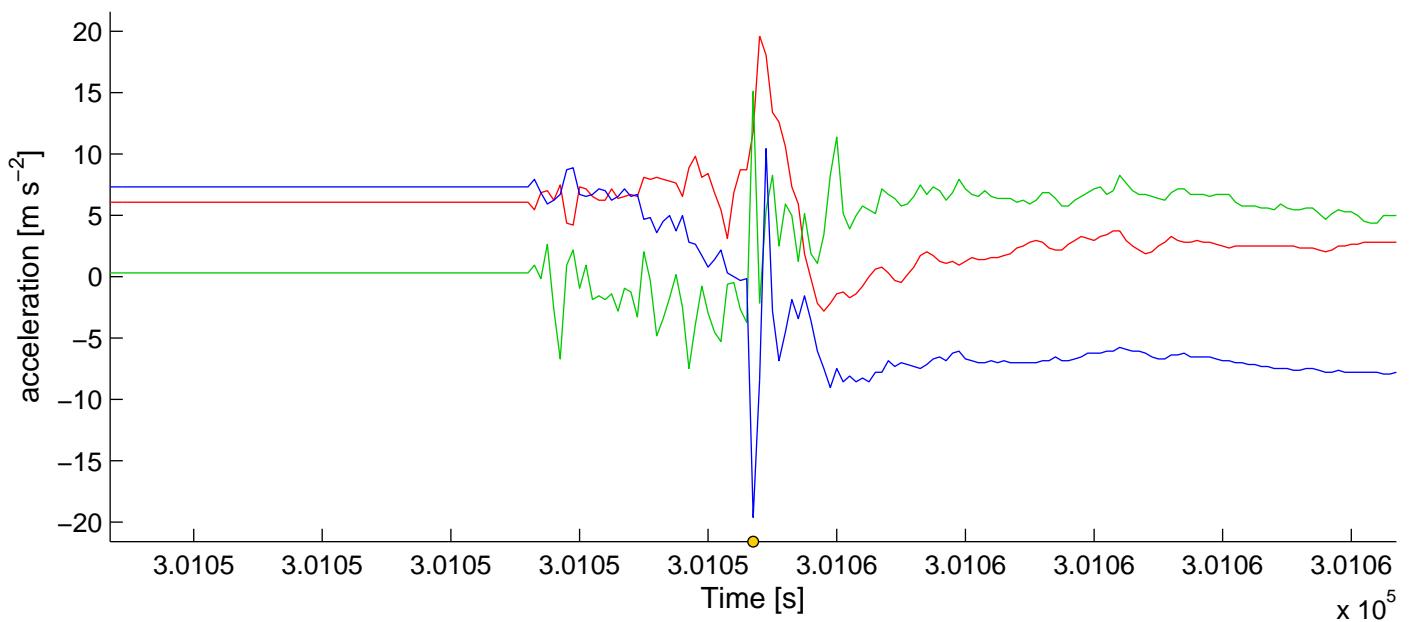
Injury: Yes Injury classification: B

Injury location: Head, buttocks Adopted measures: Medical check-up

Injury description: Bruise at the back of the head, pain at the buttock

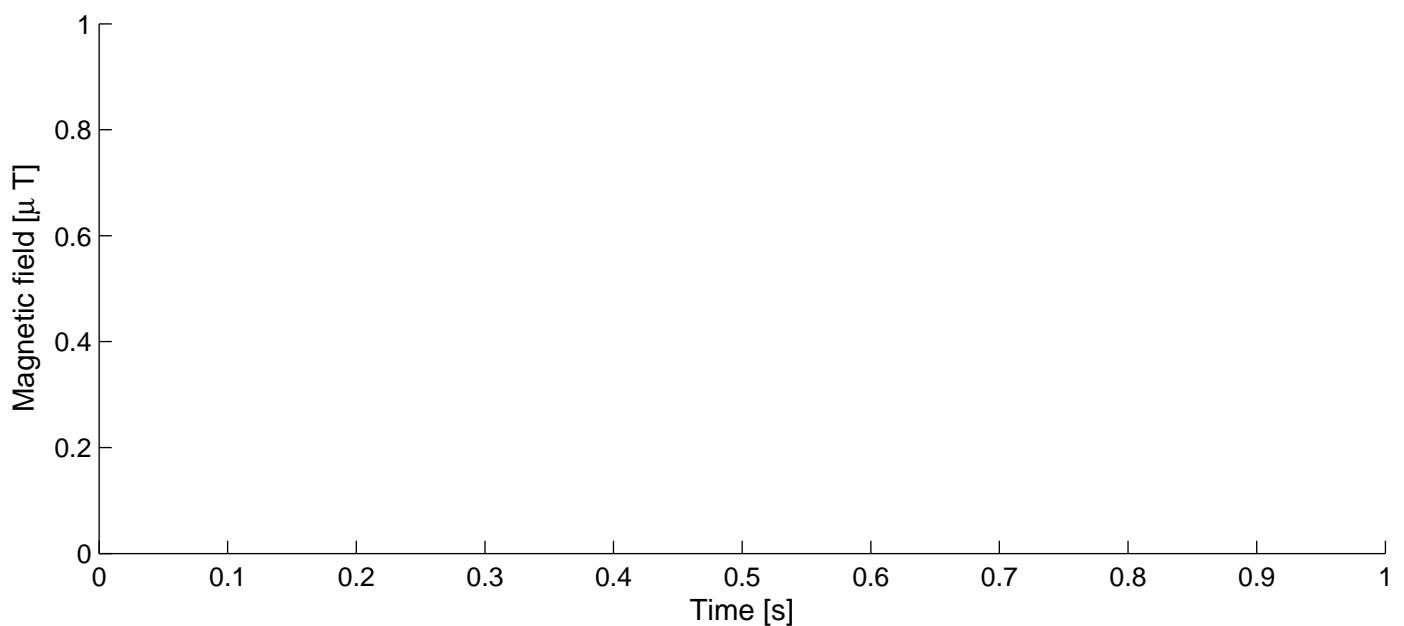
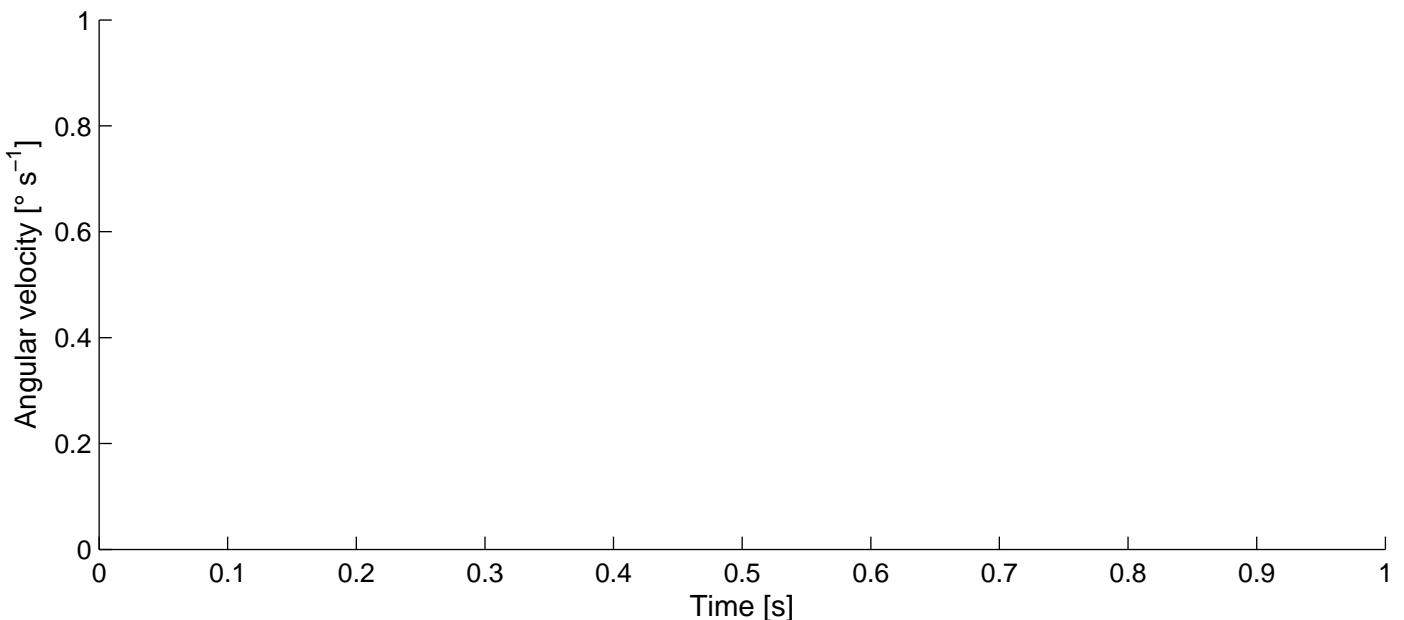
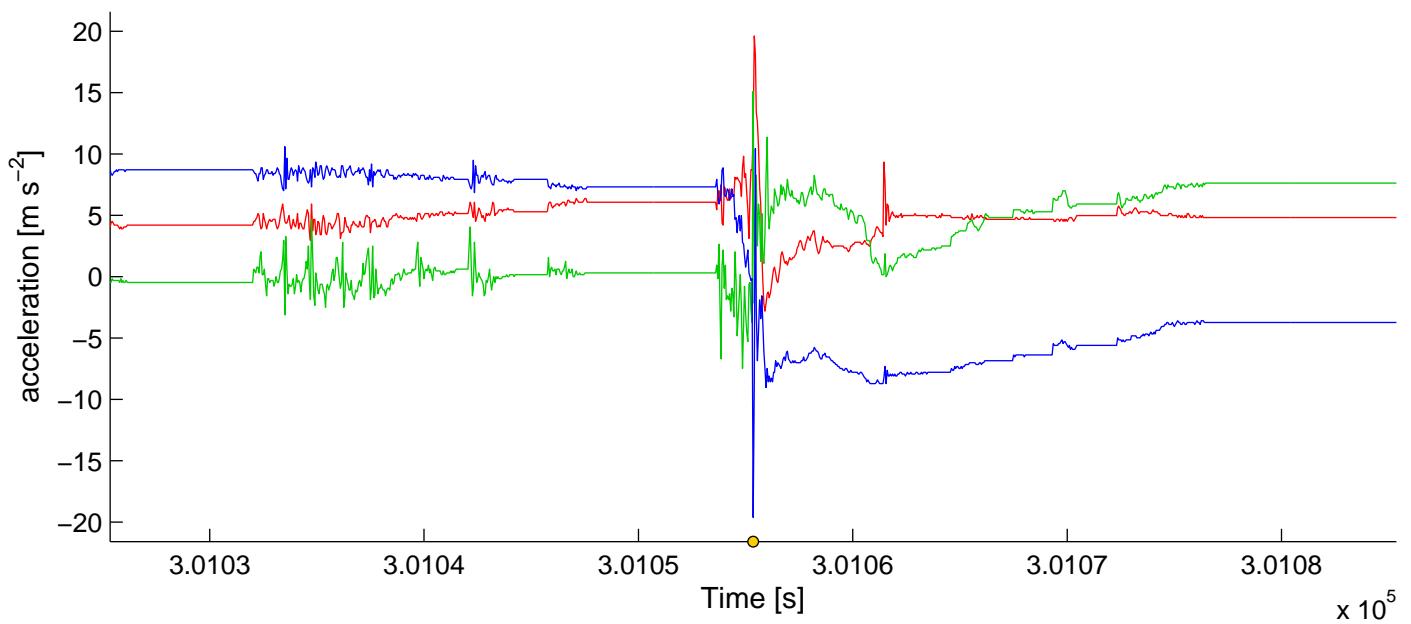
F_63414187-01-2013-05-30-22-48-27.mat

Time window: 10 s



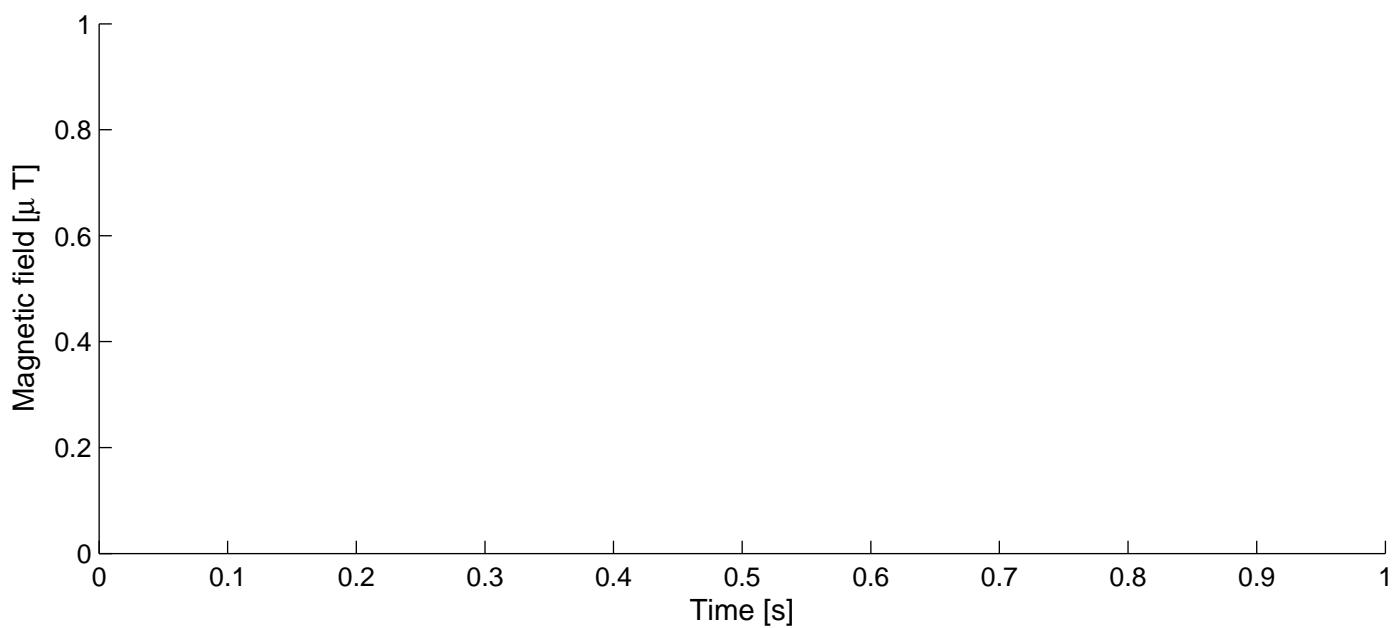
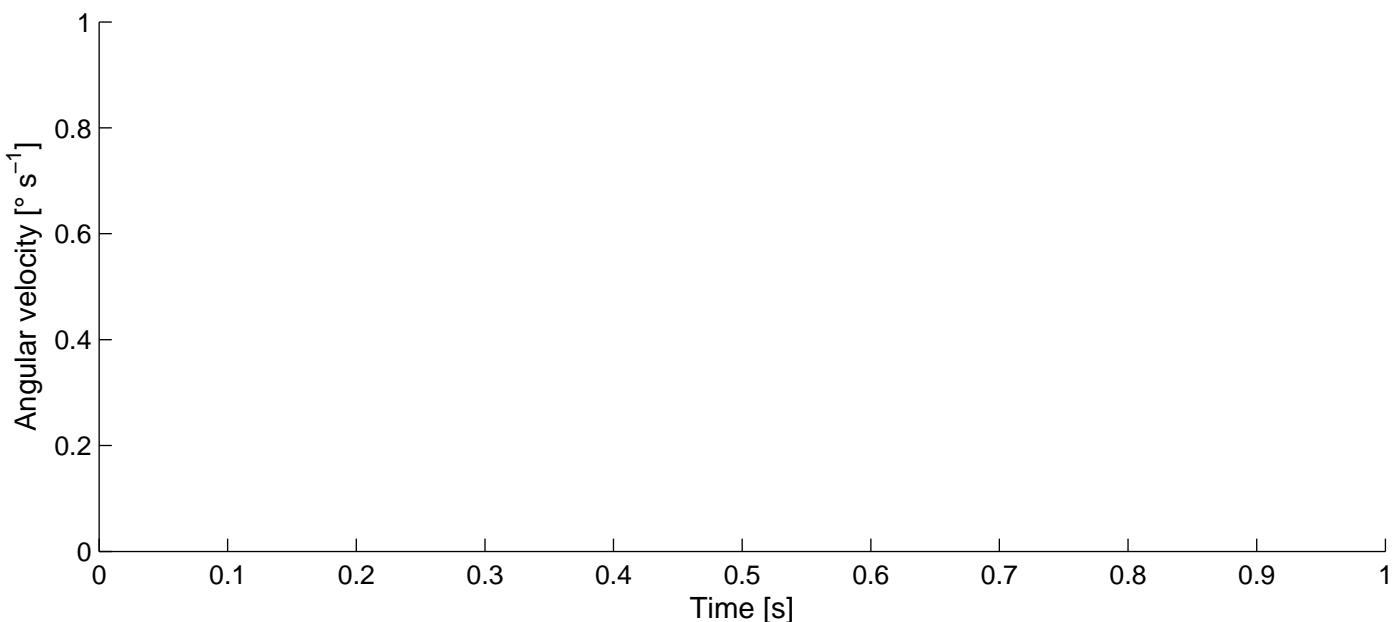
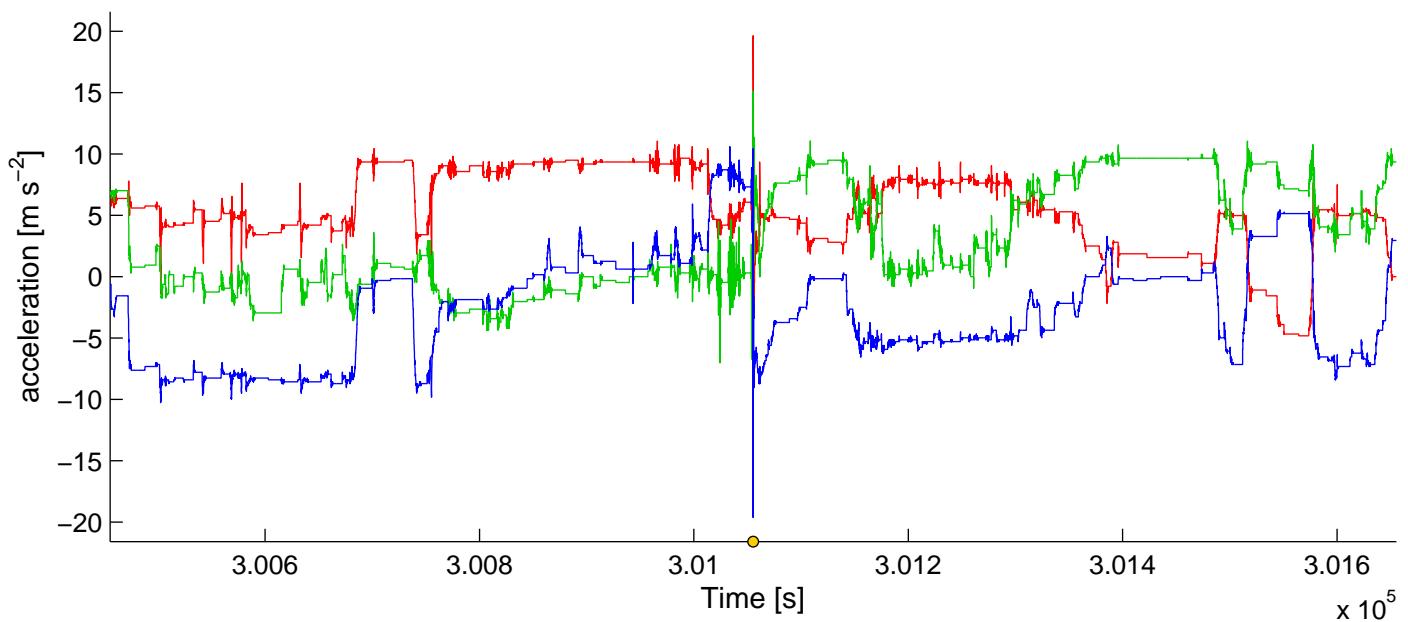
F_63414187-01-2013-05-30-22-48-27.mat

Time window: 60 s



F_63414187-01-2013-05-30-22-48-27.mat

Time window: 1200 s



Fall no.: 67458491-01

Setting: Geriatric rehabilitation

Signal file: F_67458491-01-2013-11-07-12-36-22.mat

Personal characteristics

Gender: Male Age: 78 yrs Height: 180 cm Weight: 88 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 4 Sit-to-stand transfer: 4

Gait: 4 Cognition: NA

Emotional disturbance: 2 Vision: 2

Sensor characteristics

Device: ActivPAL3 Location: Thigh

Sensor type(s): acc Unit(s): 253 units

Sample rate: 20 Hz

Fall report

Fall time reported: 07.11.2013 12:30:00 Fall time signal: 07.11.2013 12:36:22

Standing up out of the wheelchair without using brakes, then fell down.

Witnessed: No Assistive device: Yes

Reported pre-fall activity: Transfer

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patient room

Multiple impact: Unknown Fall on: Unknown

Got up without help: No

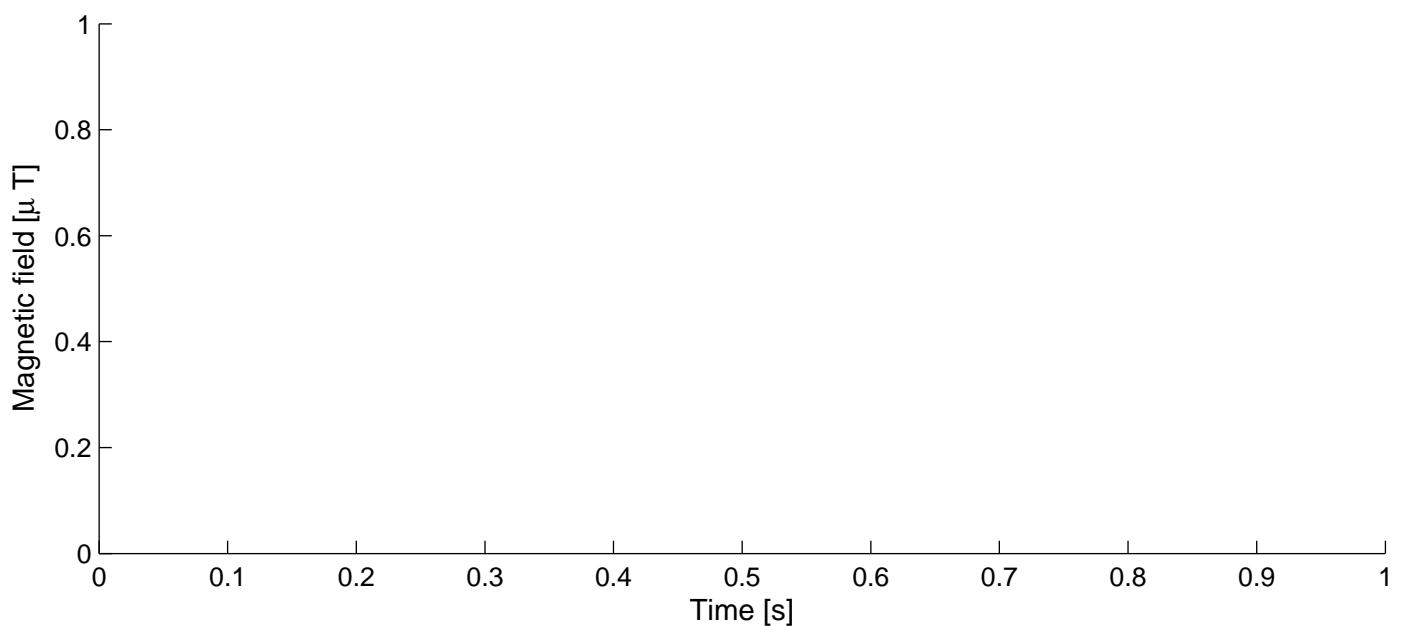
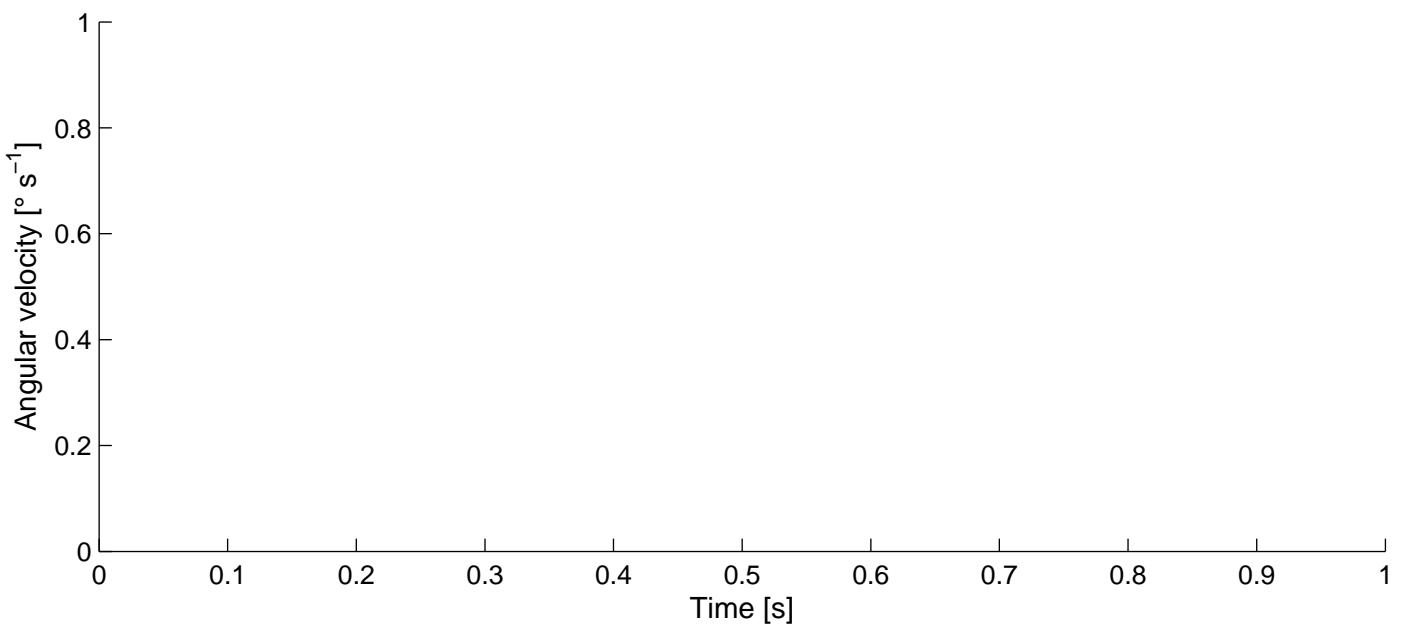
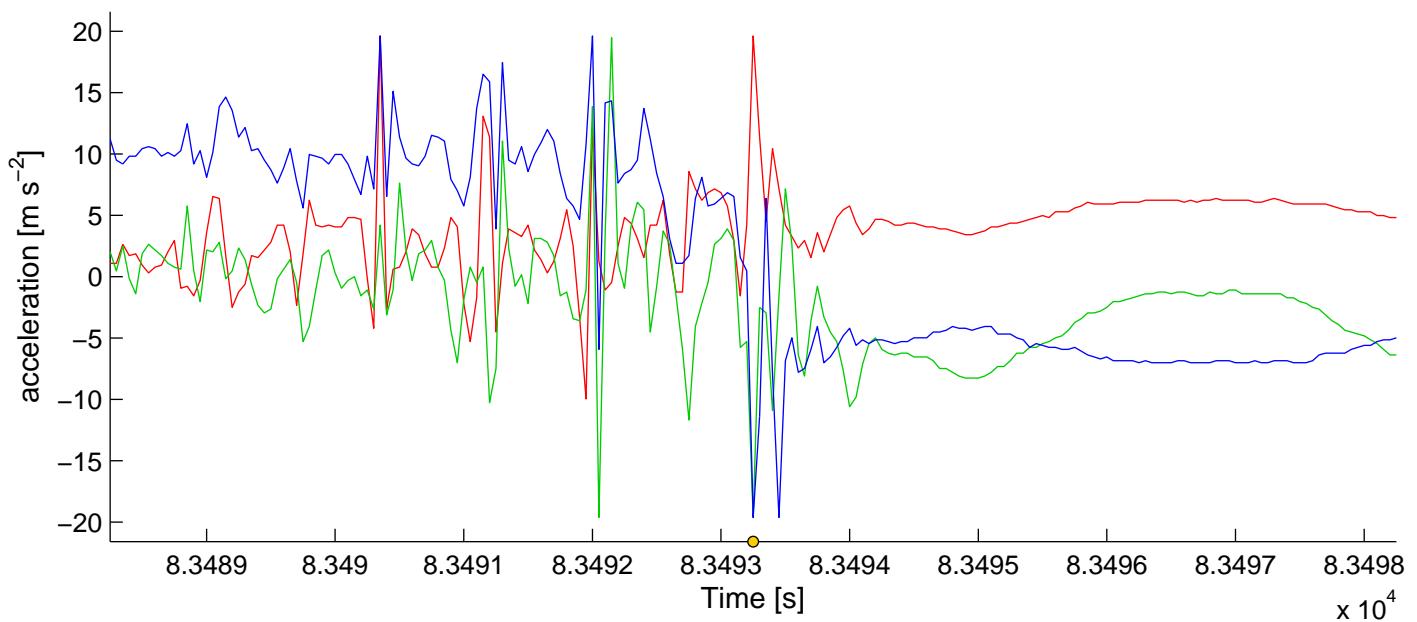
Injury: No Injury classification: C

Injury location: NA Adopted measures: Medical contact

Injury description: NA

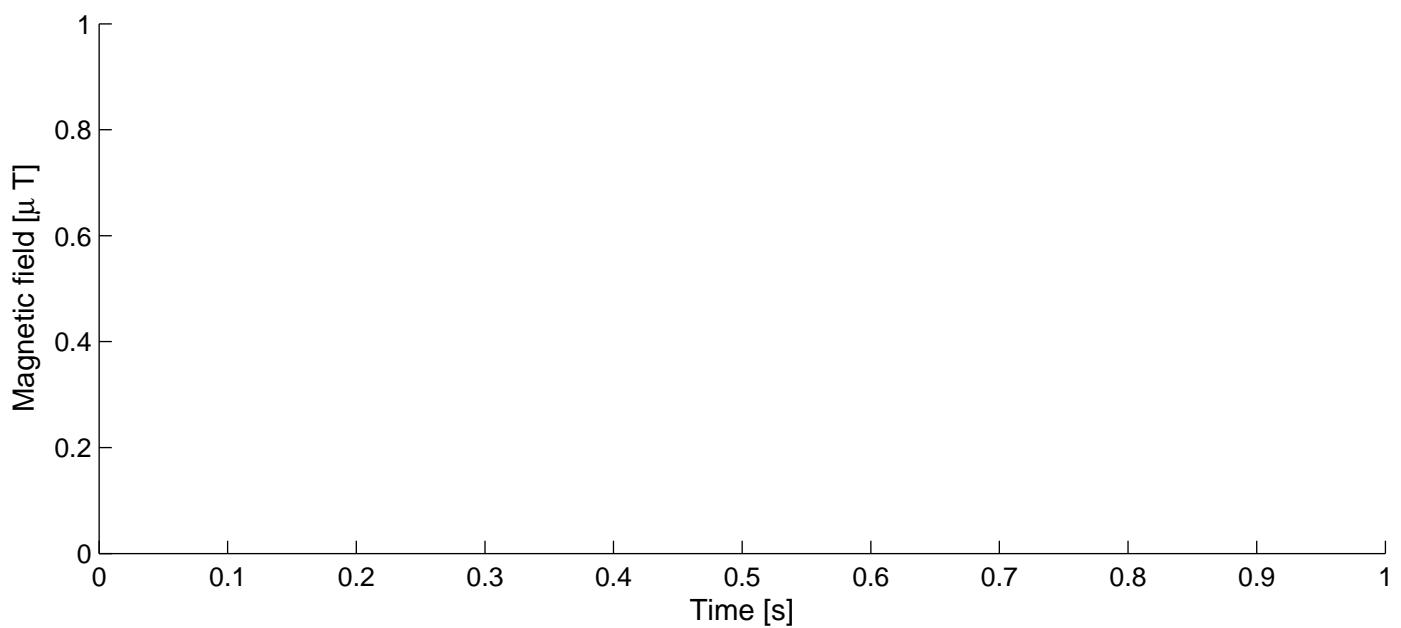
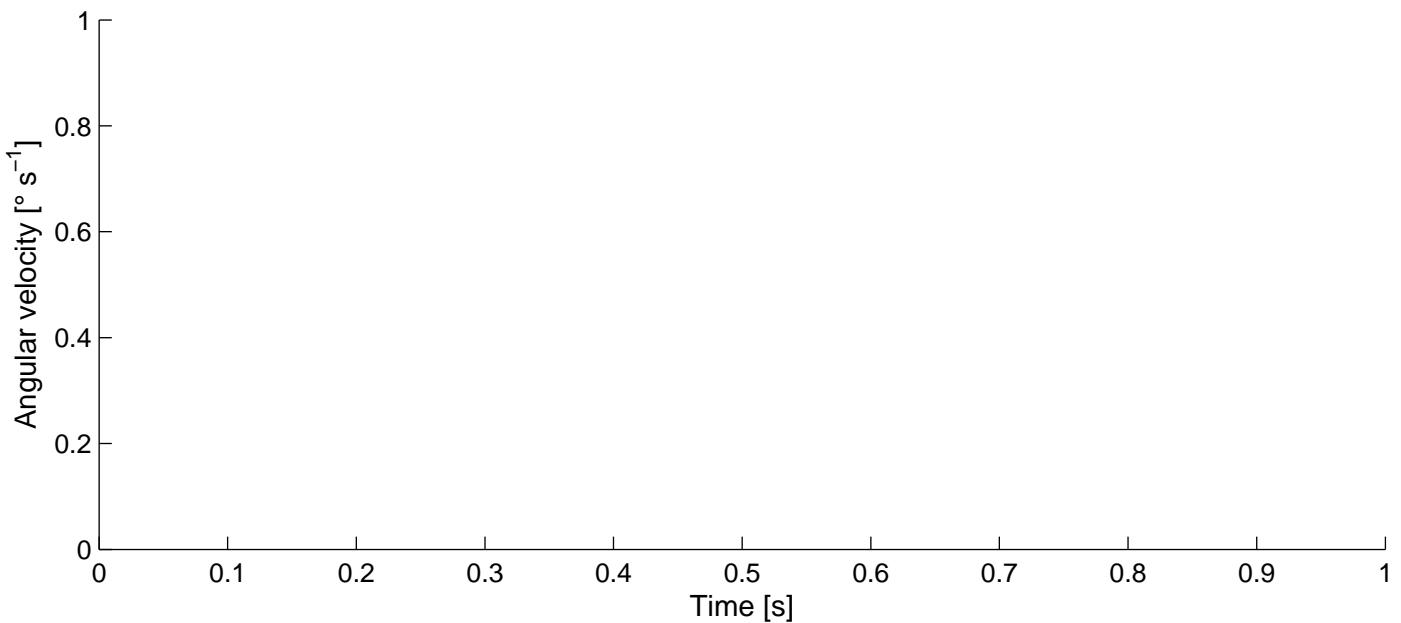
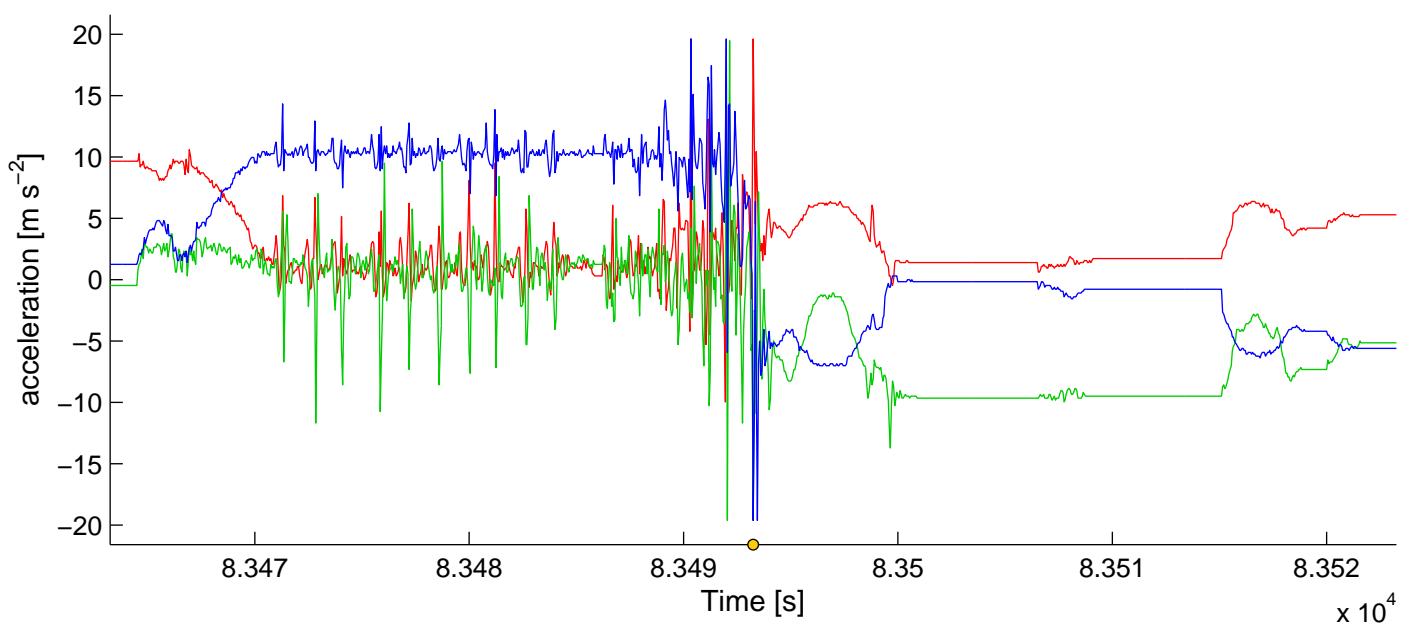
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Time window: 10 s



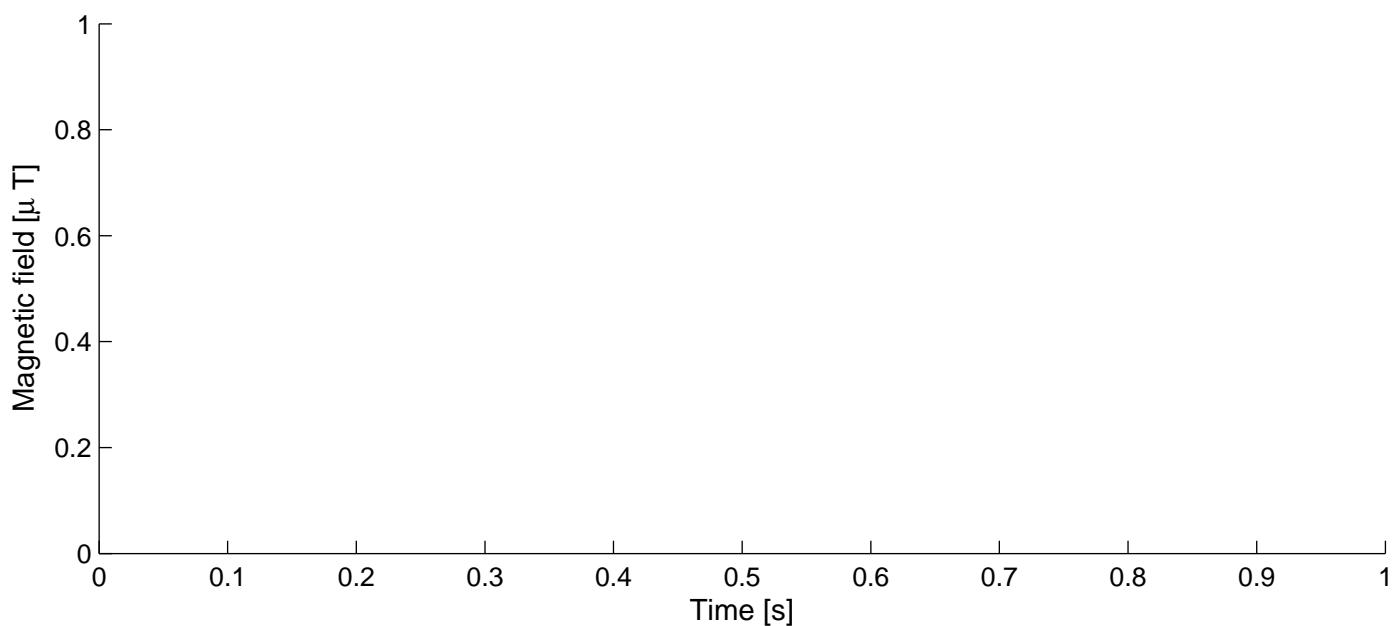
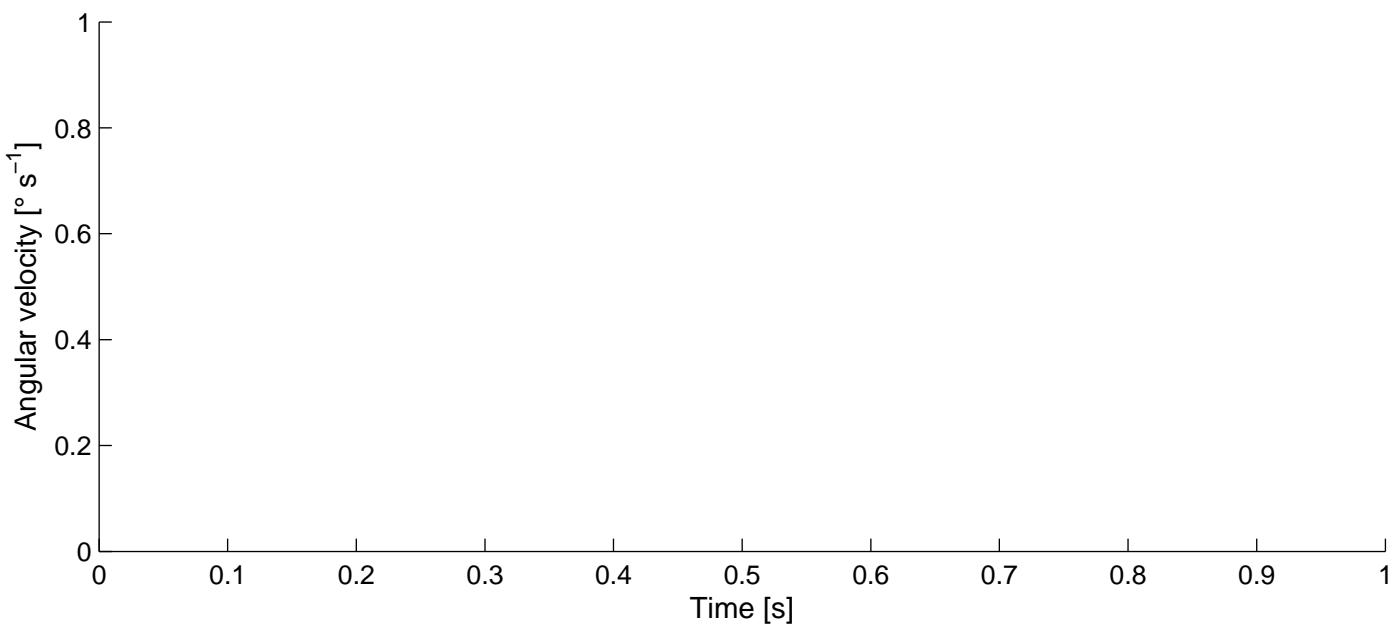
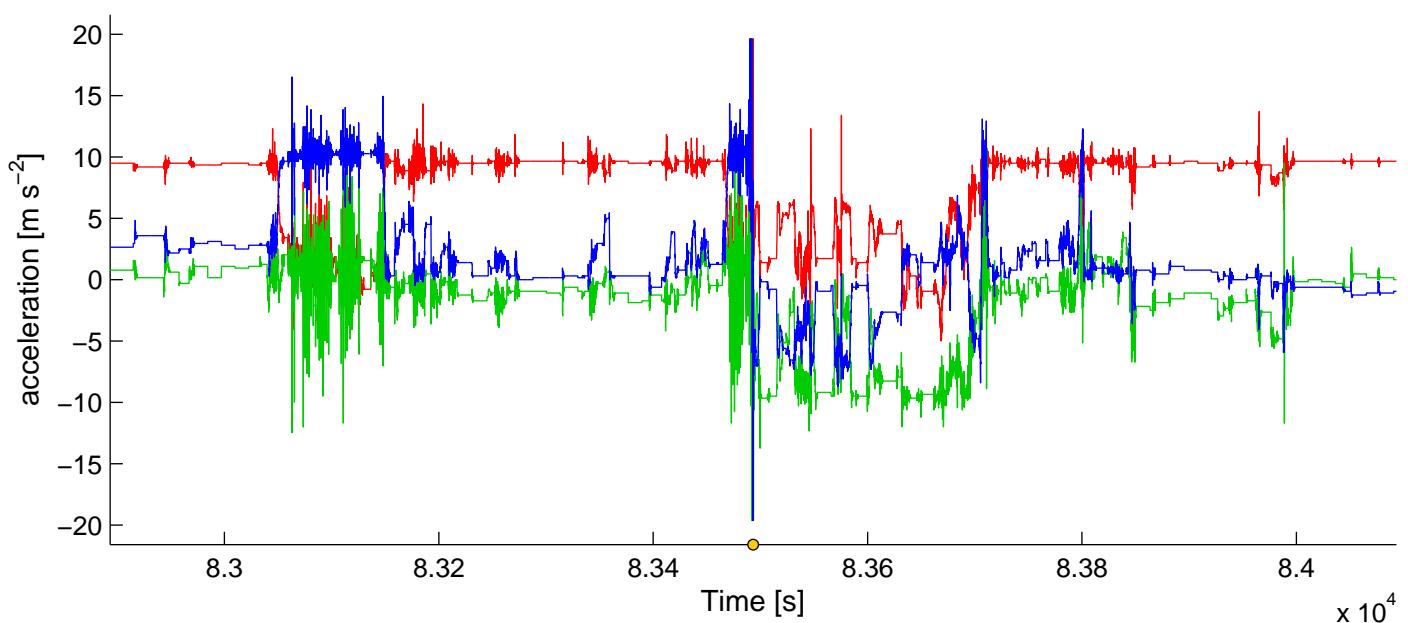
F_67458491-01-2013-11-07-12-36-22.mat

Time window: 60 s



F_67458491-01-2013-11-07-12-36-22.mat

Time window: 1200 s



Fall no.: 72858619-01

Setting: Community-dwelling

Signal file: F_72858619-01-2008-06-26-07-27-49.mat

Personal characteristics

Gender: Female Age: 65 yrs Height: 161 cm Weight: 67 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: NA

Gait: 3 Cognition: 1

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 26.06.2008 07:32:00 Fall time signal: 26.06.2008 07:27:49

Went to the table in the dining room. Fell down backwards on the buttock.

Witnessed: Yes Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Dining room at home

Multiple impact: Unknown Fall on: Floor

Got up without help: No

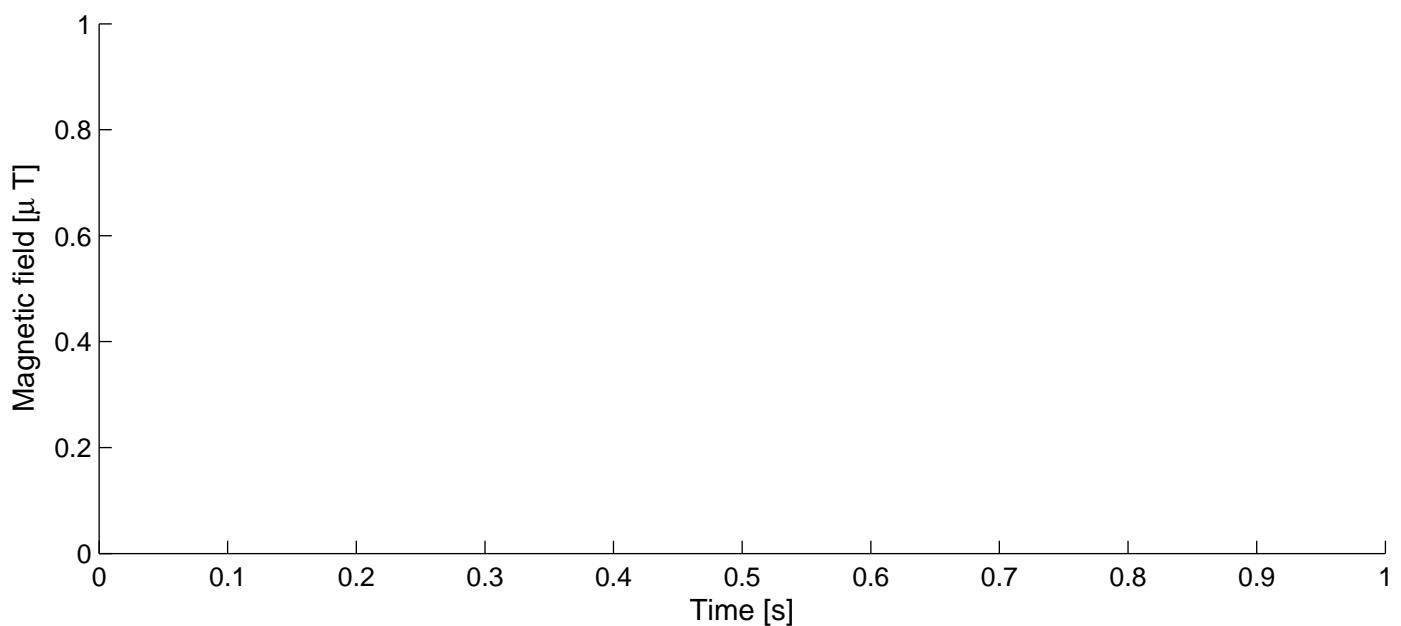
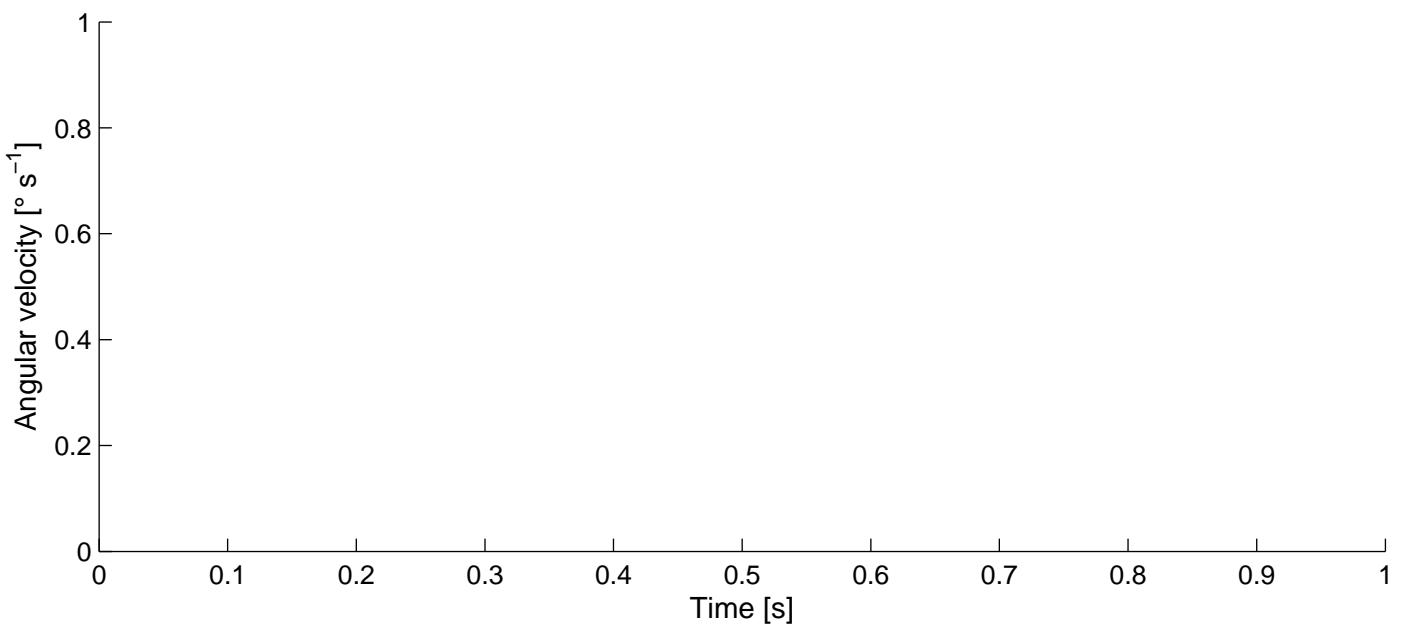
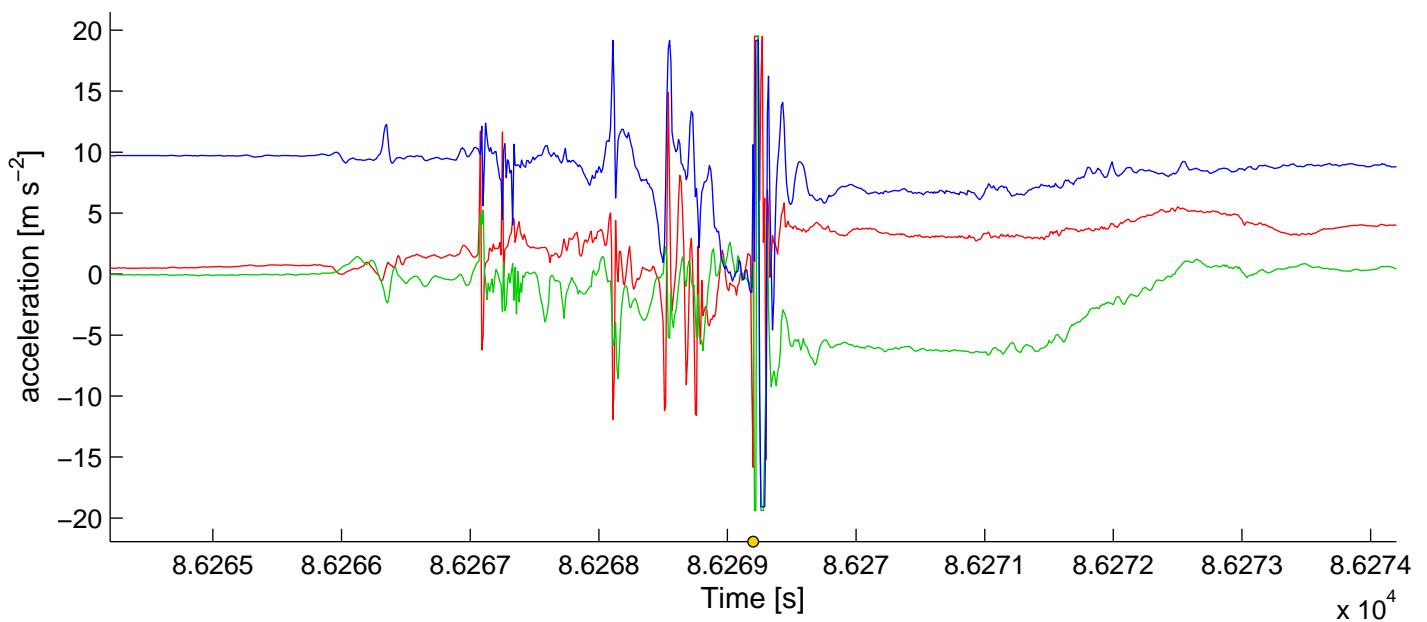
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: Pain in the bottom

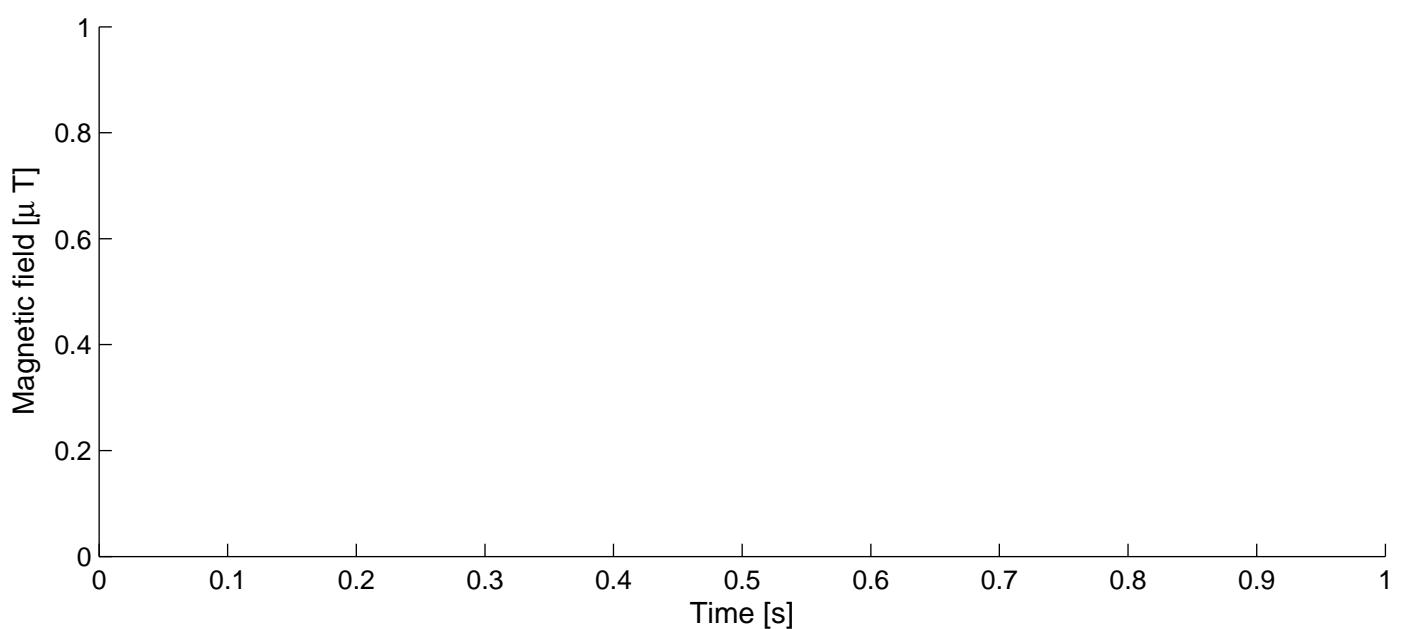
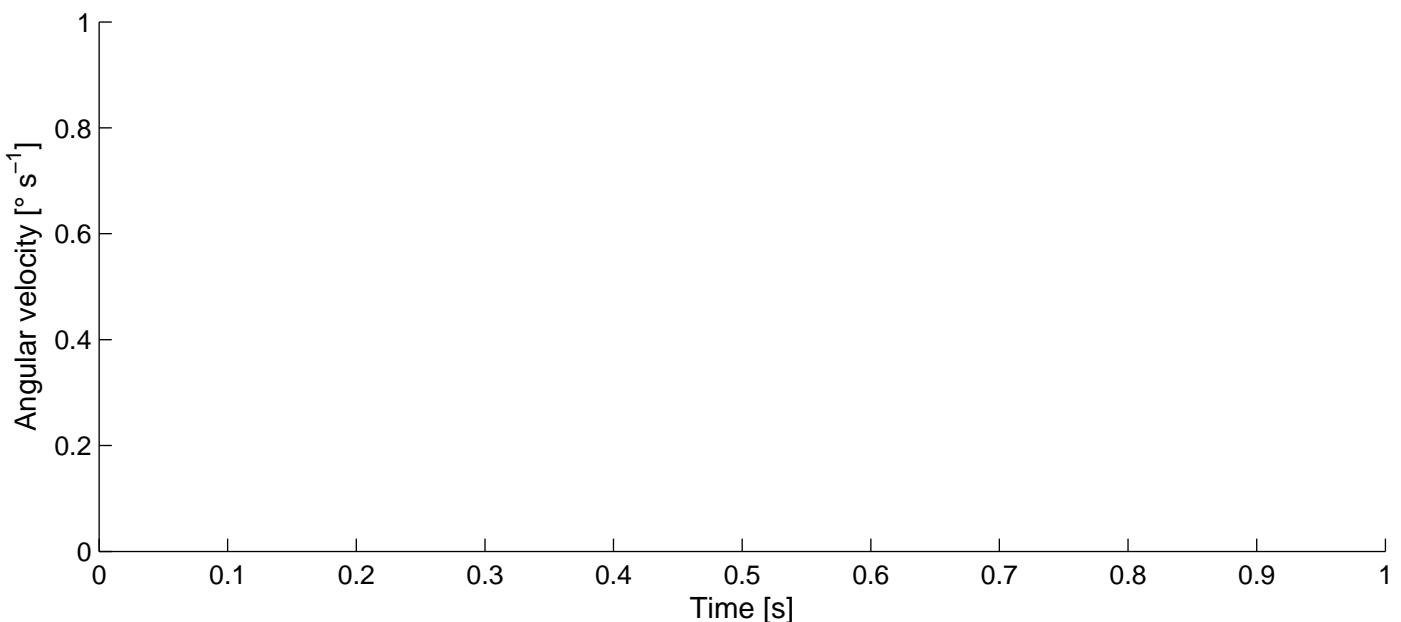
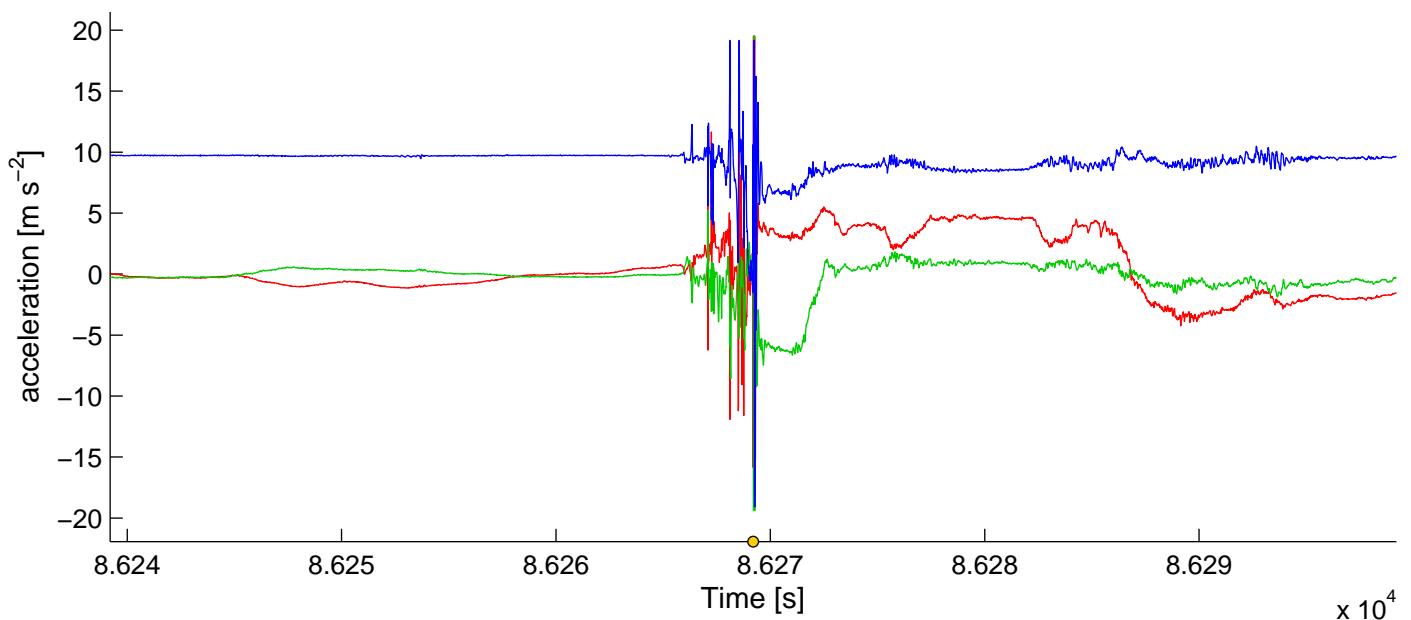
F_72858619-01-2008-06-26-07-27-49.mat

Time window: 10 s



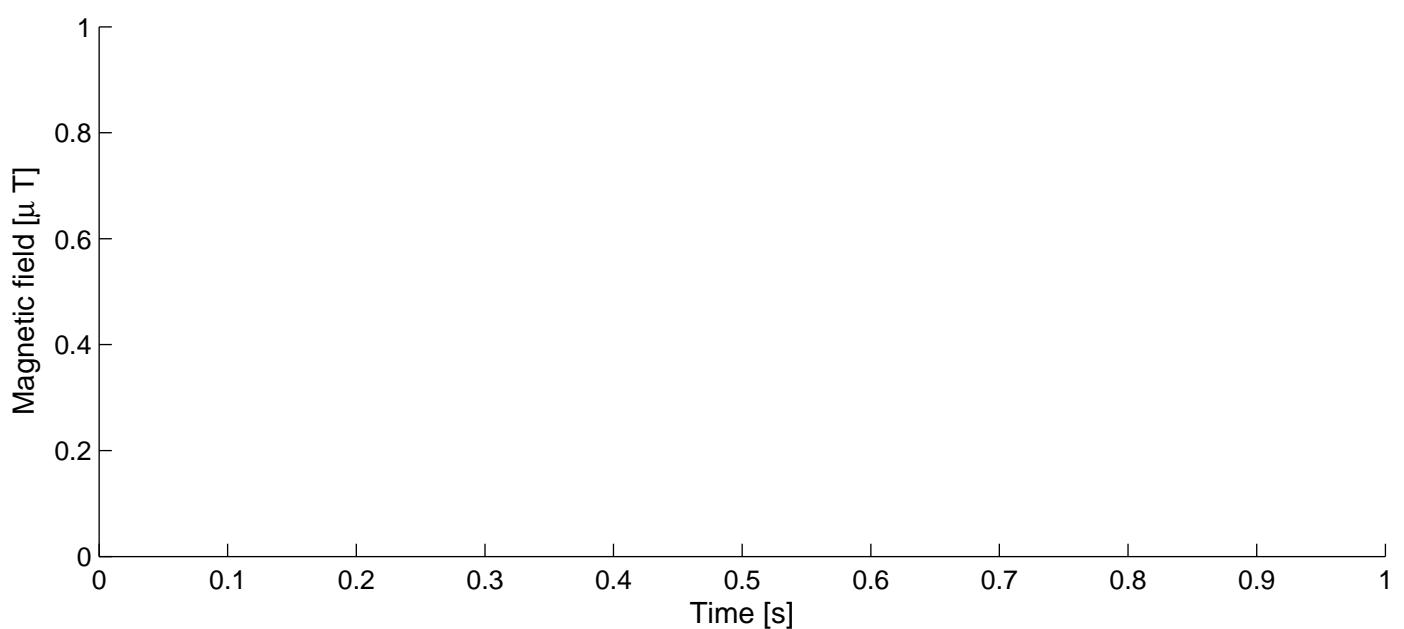
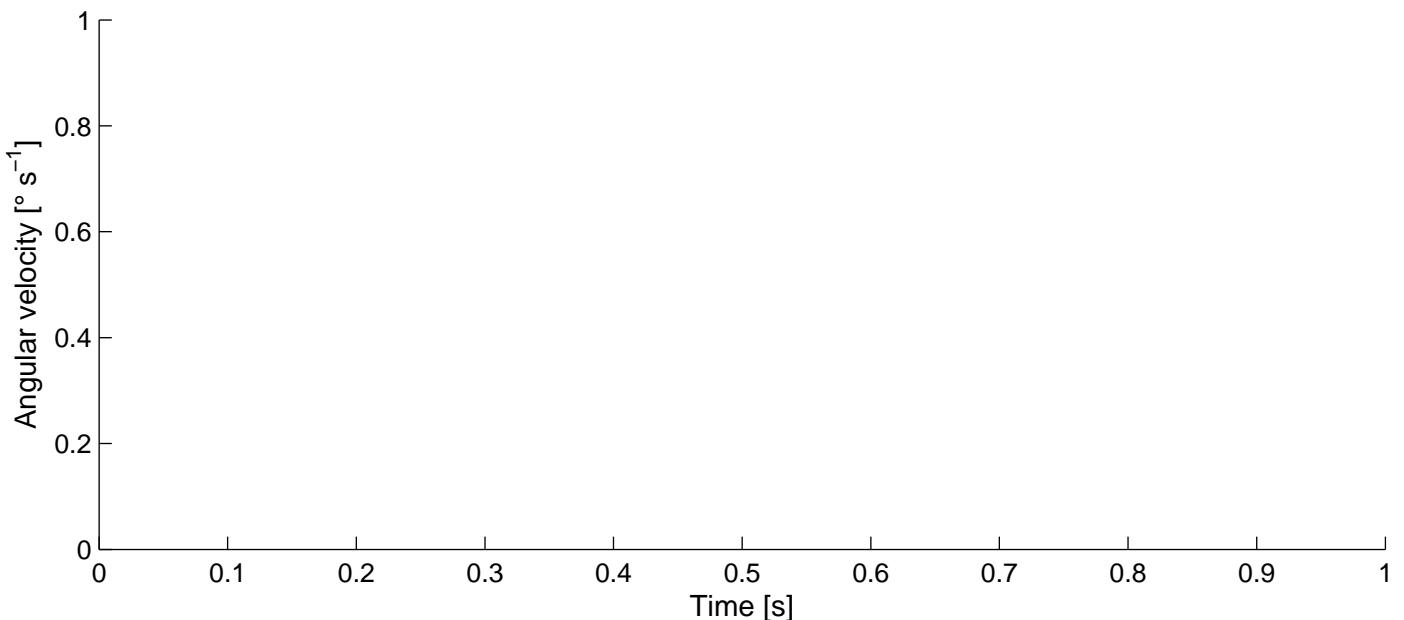
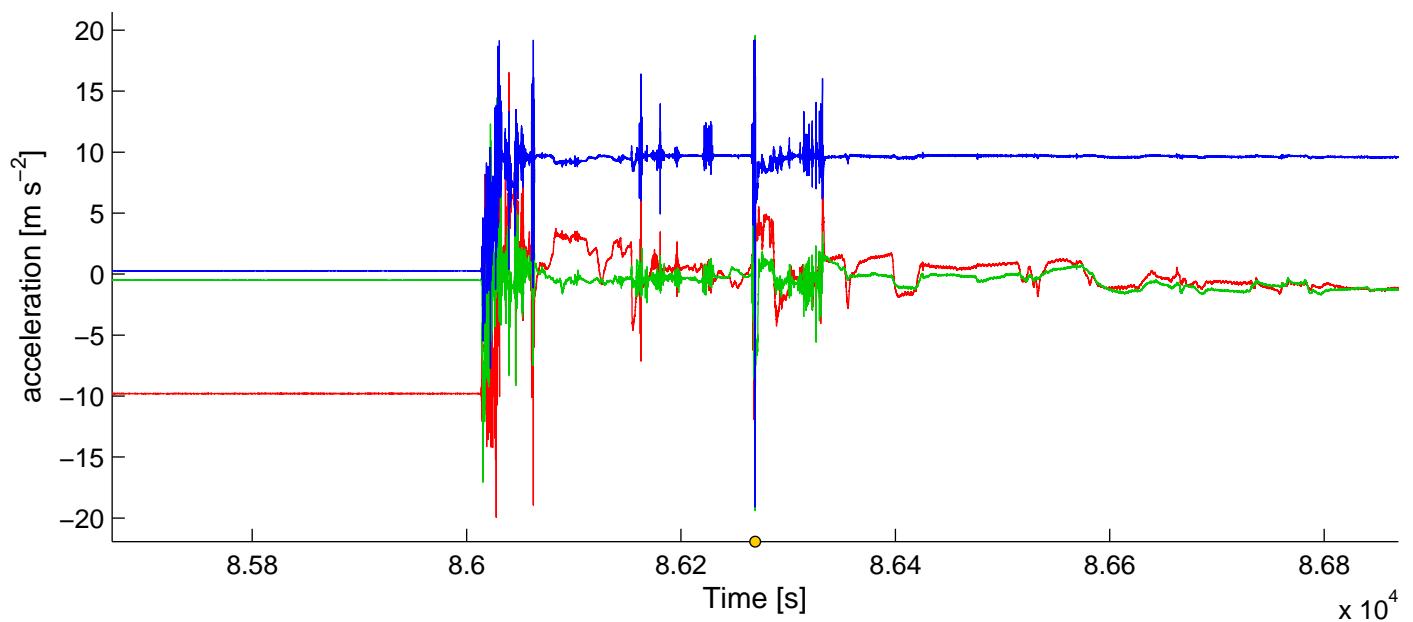
F_72858619-01-2008-06-26-07-27-49.mat

Time window: 60 s



F_72858619-01-2008-06-26-07-27-49.mat

Time window: 1200 s



Fall no.: 72858619-02

Setting: Community-dwelling

Signal file: F_72858619-02-2008-06-26-11-29-16.mat

Personal characteristics

Gender: Female Age: 65 yrs Height: 161 cm Weight: 67 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 1 Sit-to-stand transfer: NA

Gait: 3 Cognition: 1

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 26.06.2008 11:30:00 Fall time signal: 26.06.2008 11:29:16

Person held on the wall, then fell down backwards on the buttock.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Corridor at home

Multiple impact: Unknown Fall on: Floor

Got up without help: No

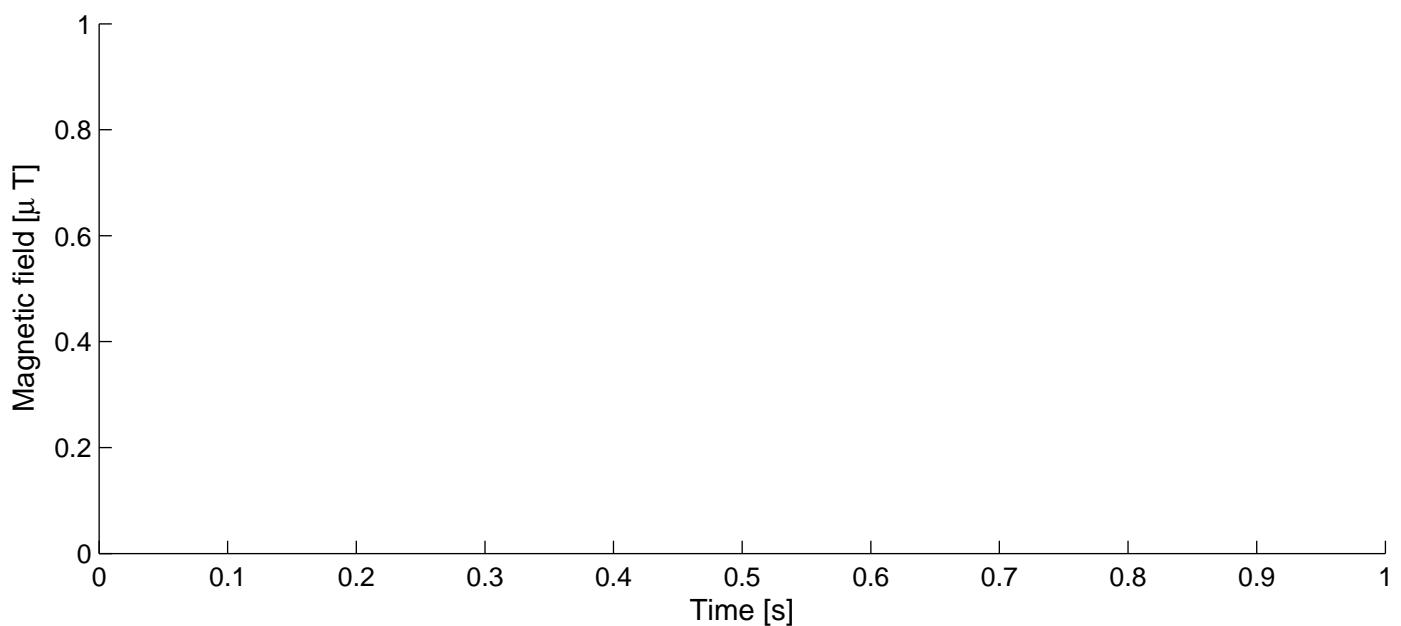
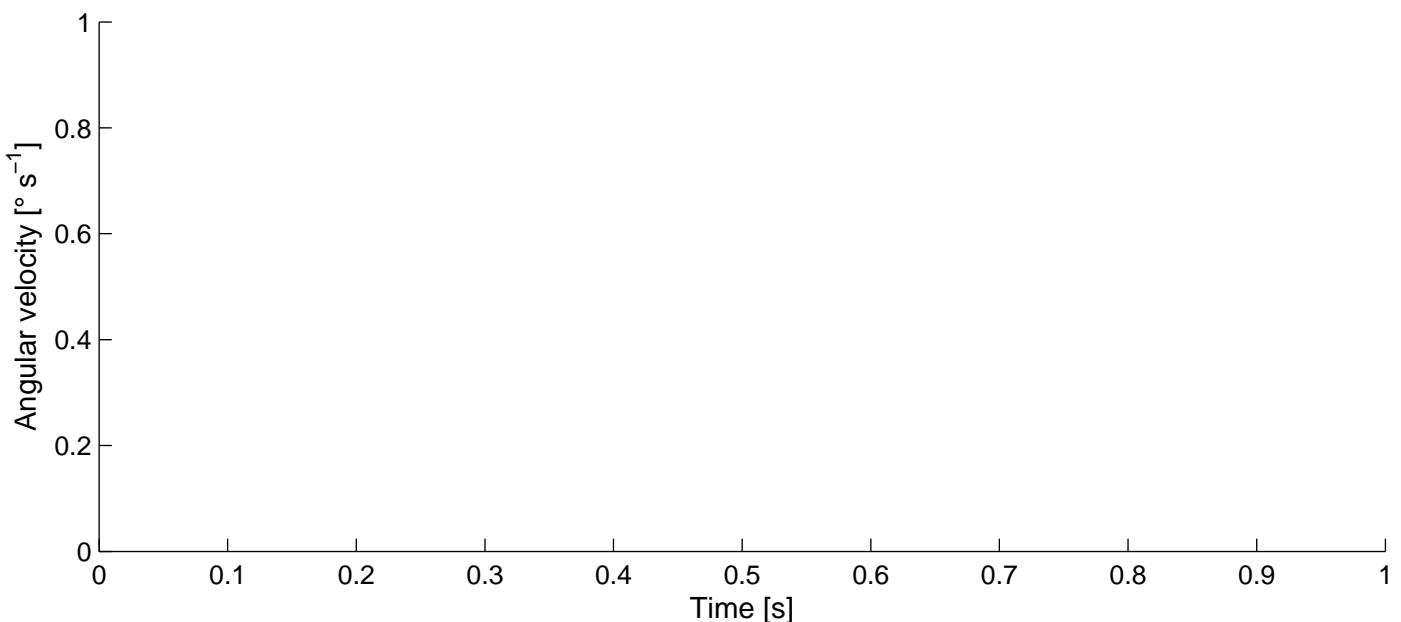
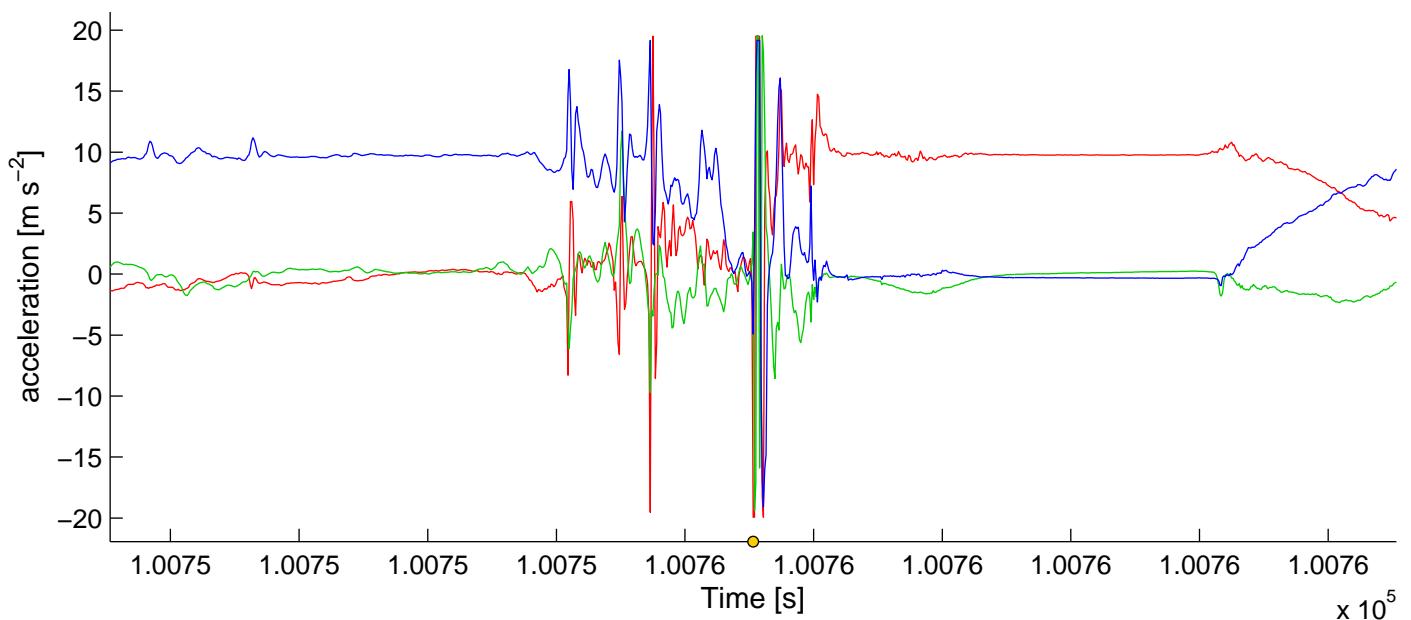
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: Pain in the bottom

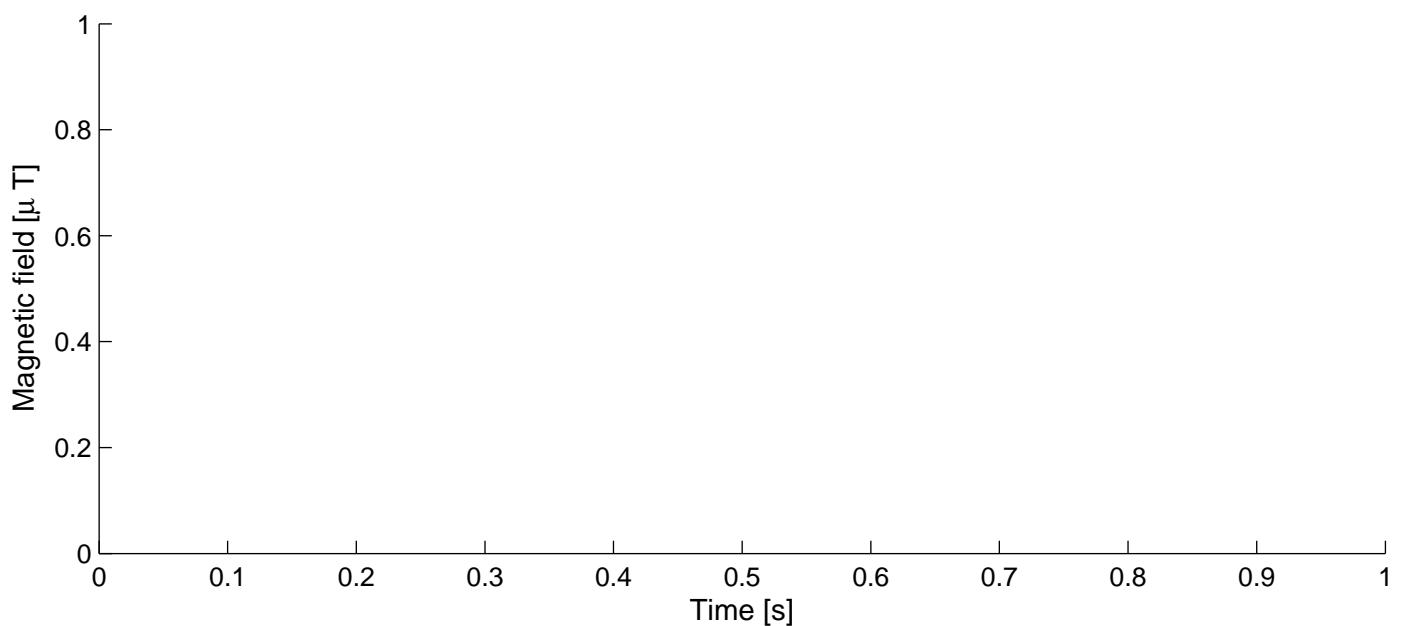
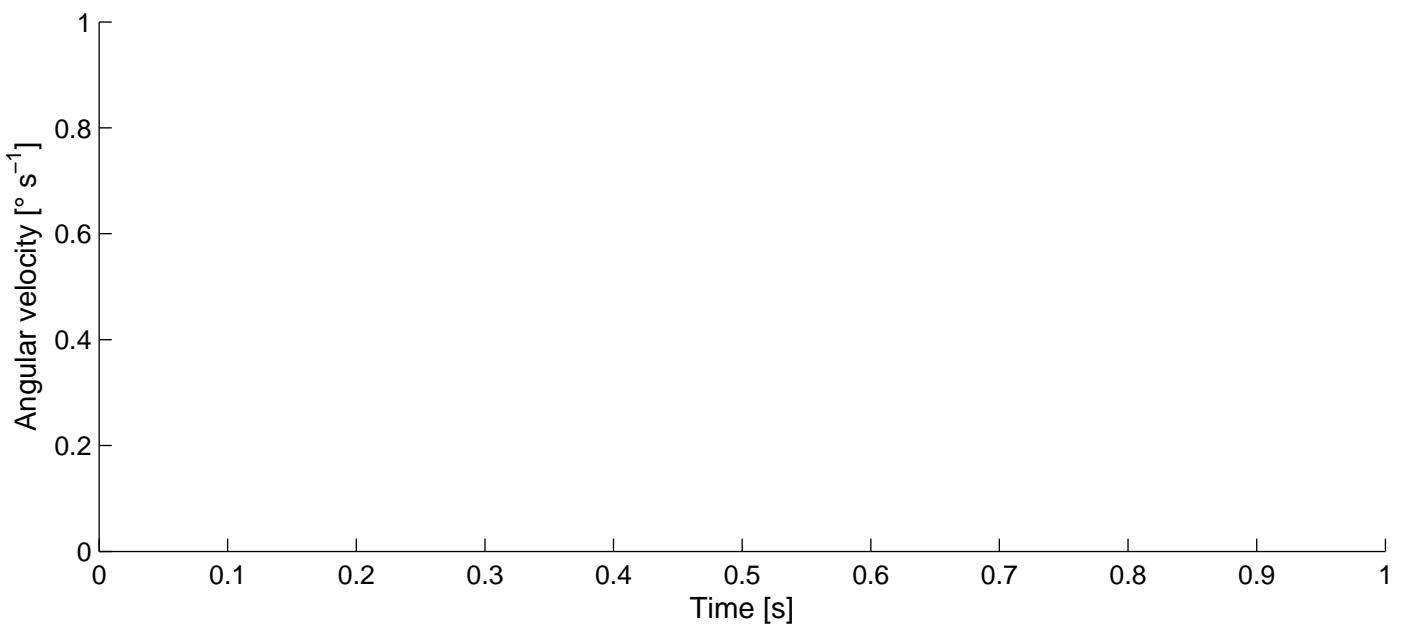
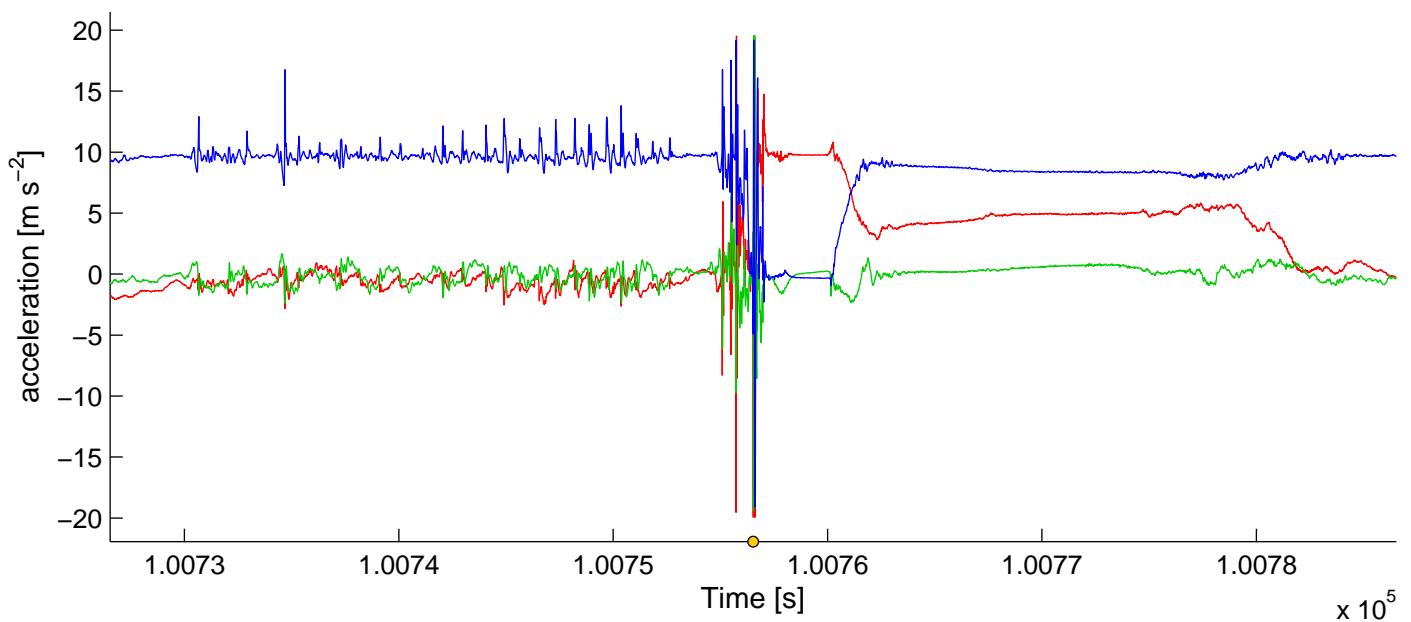
F_72858619-02-2008-06-26-11-29-16.mat

Time window: 10 s



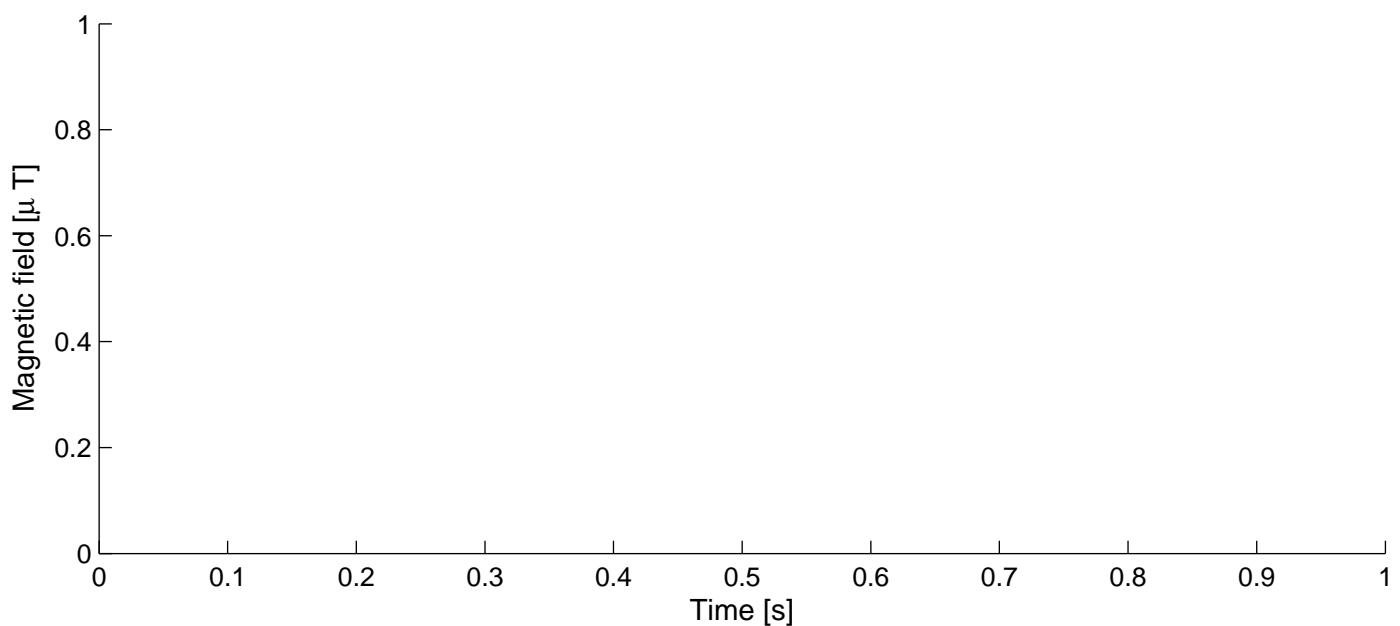
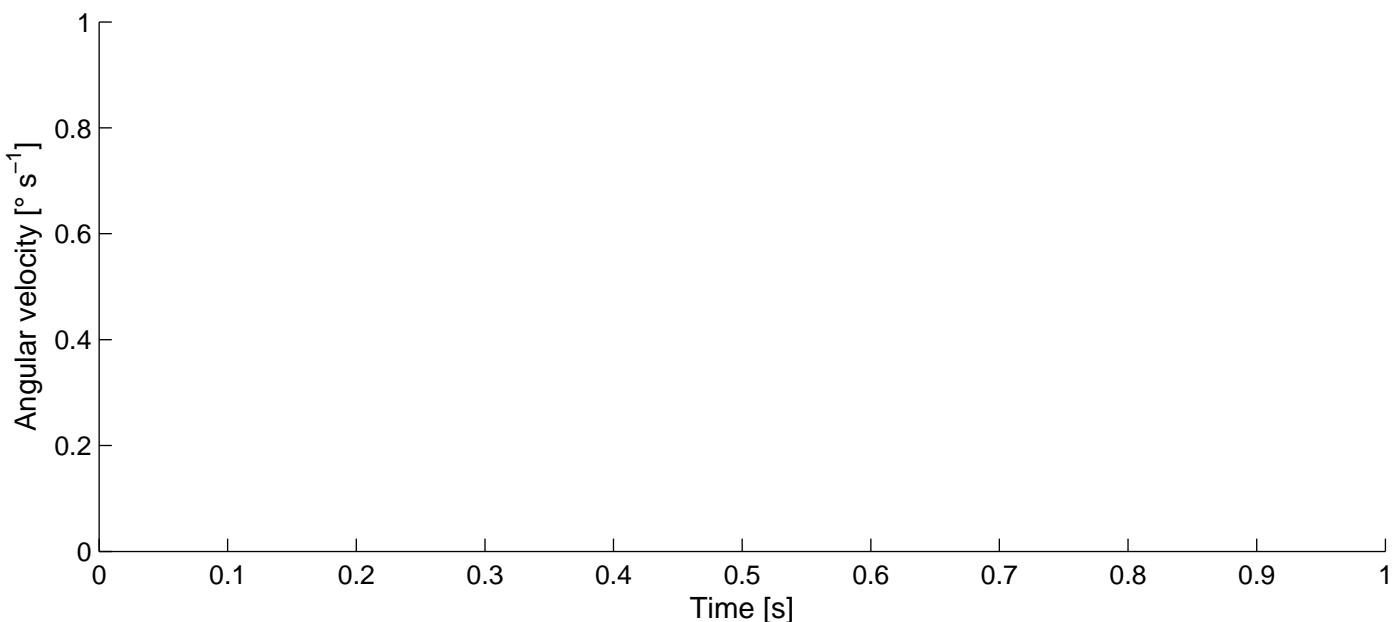
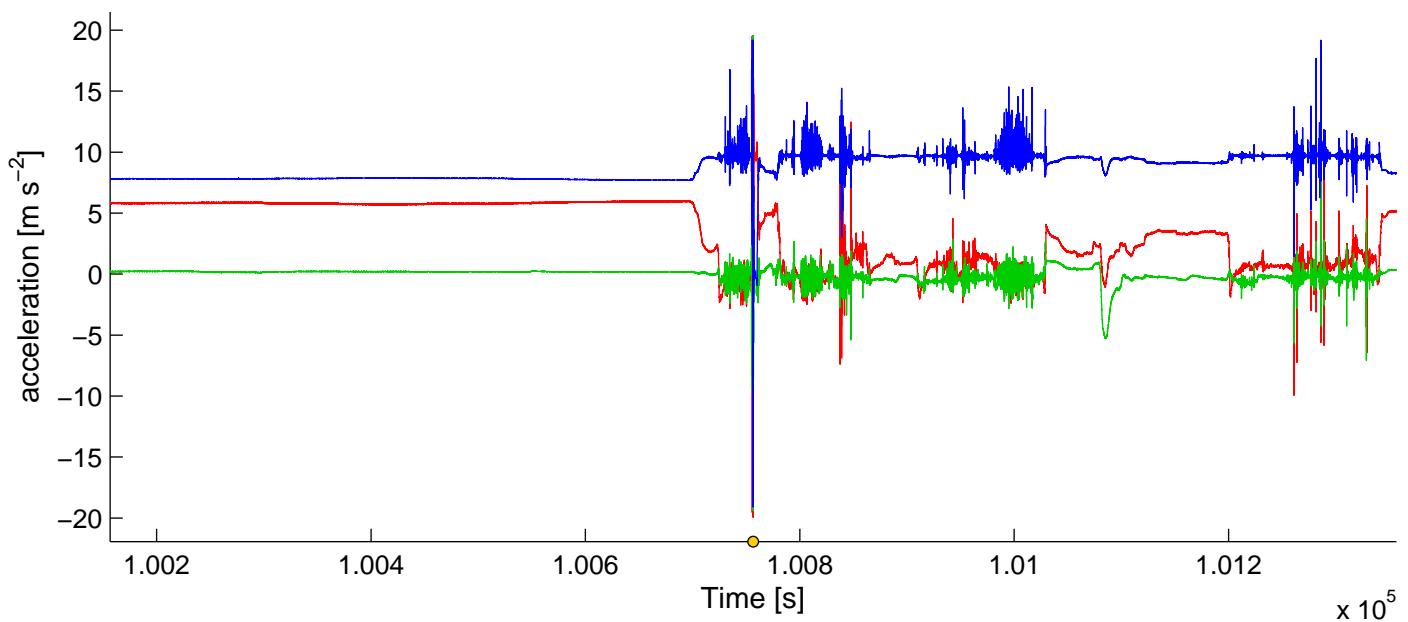
F_72858619-02-2008-06-26-11-29-16.mat

Time window: 60 s



F_72858619-02-2008-06-26-11-29-16.mat

Time window: 1200 s



Fall no.: 74827807-04

Setting: Community-dwelling

Signal file: F_74827807-04-2009-02-09-22-39-54.mat

Personal characteristics

Gender: Male Age: 60 yrs Height: 173 cm Weight: 74 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 3

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 09.02.2009 22:50:00 Fall time signal: 09.02.2009 22:39:54

Fell during walking.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Corridor at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Yes

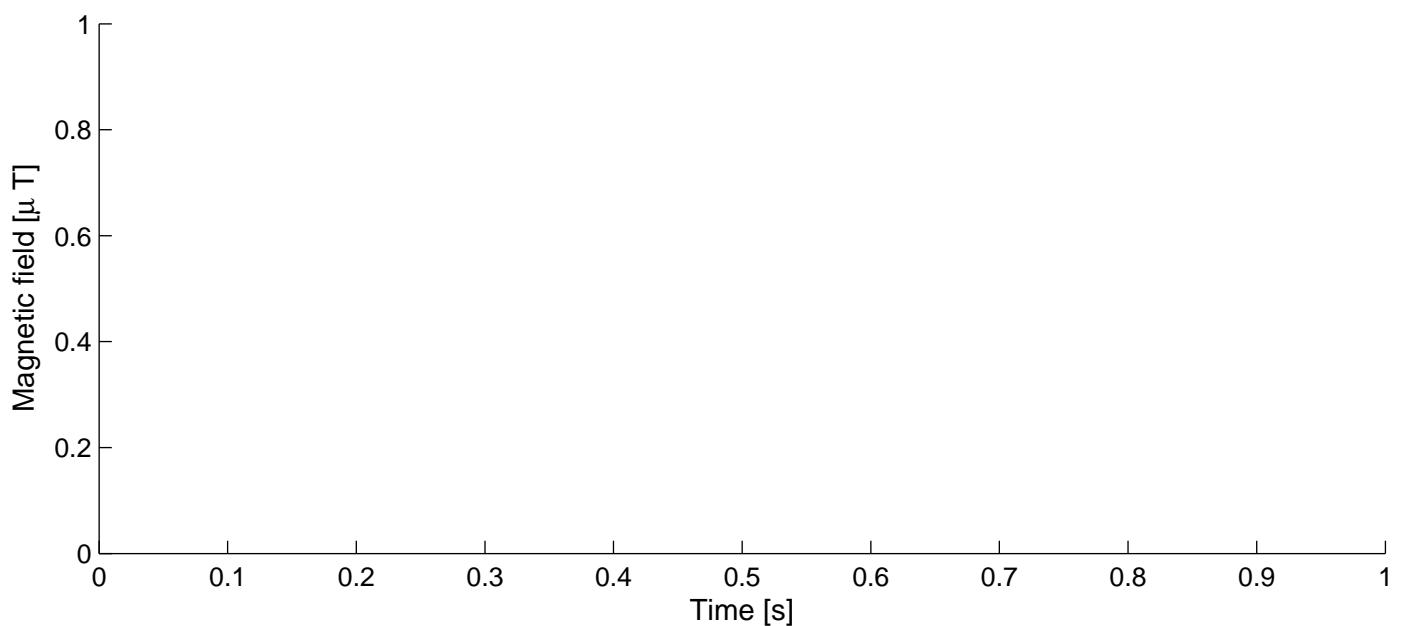
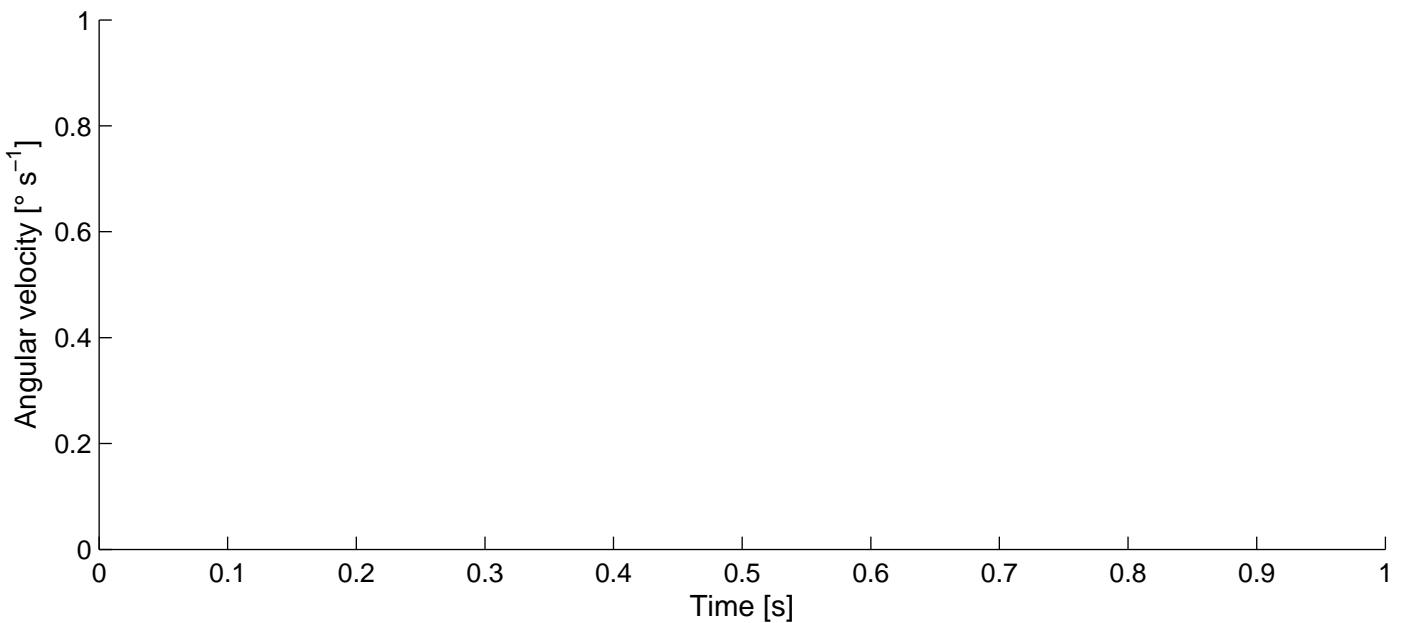
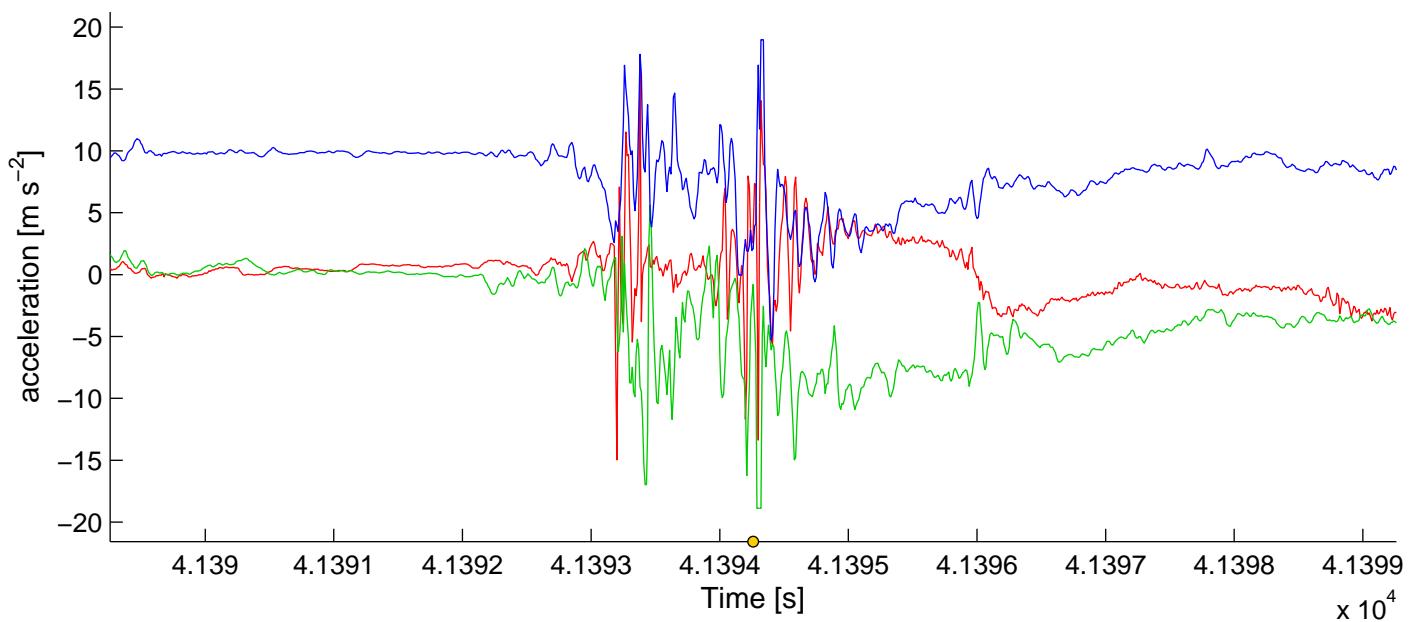
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

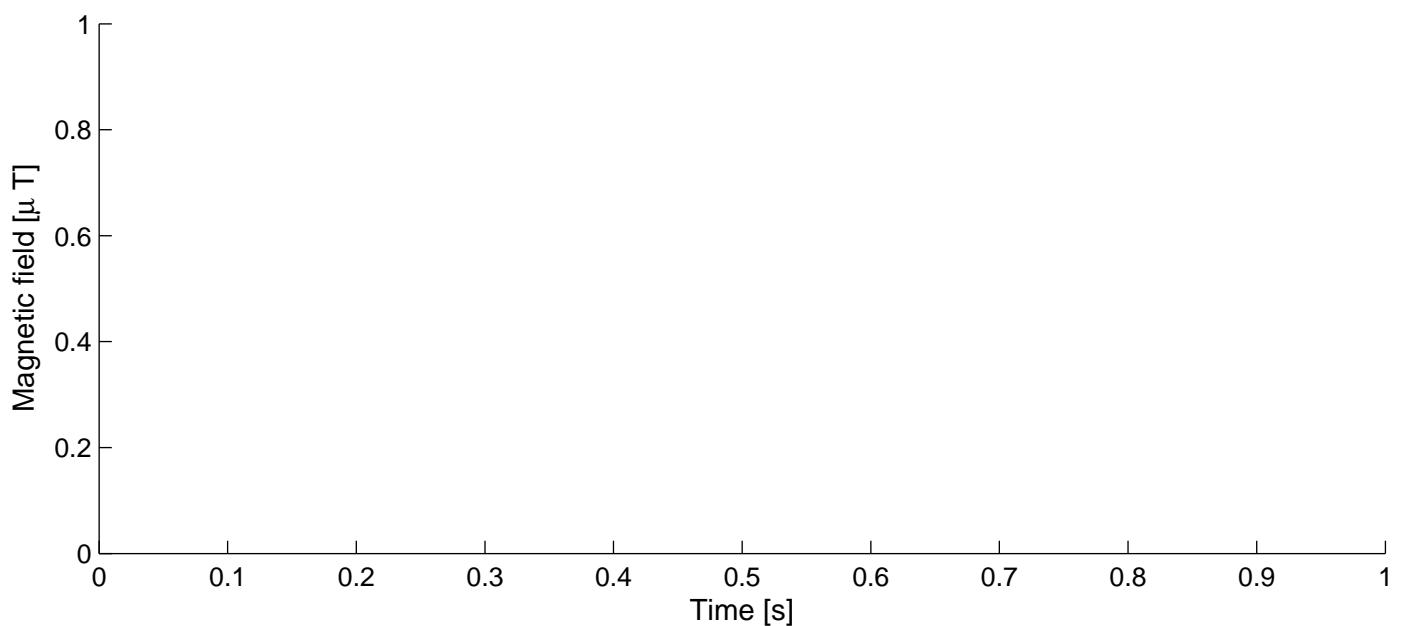
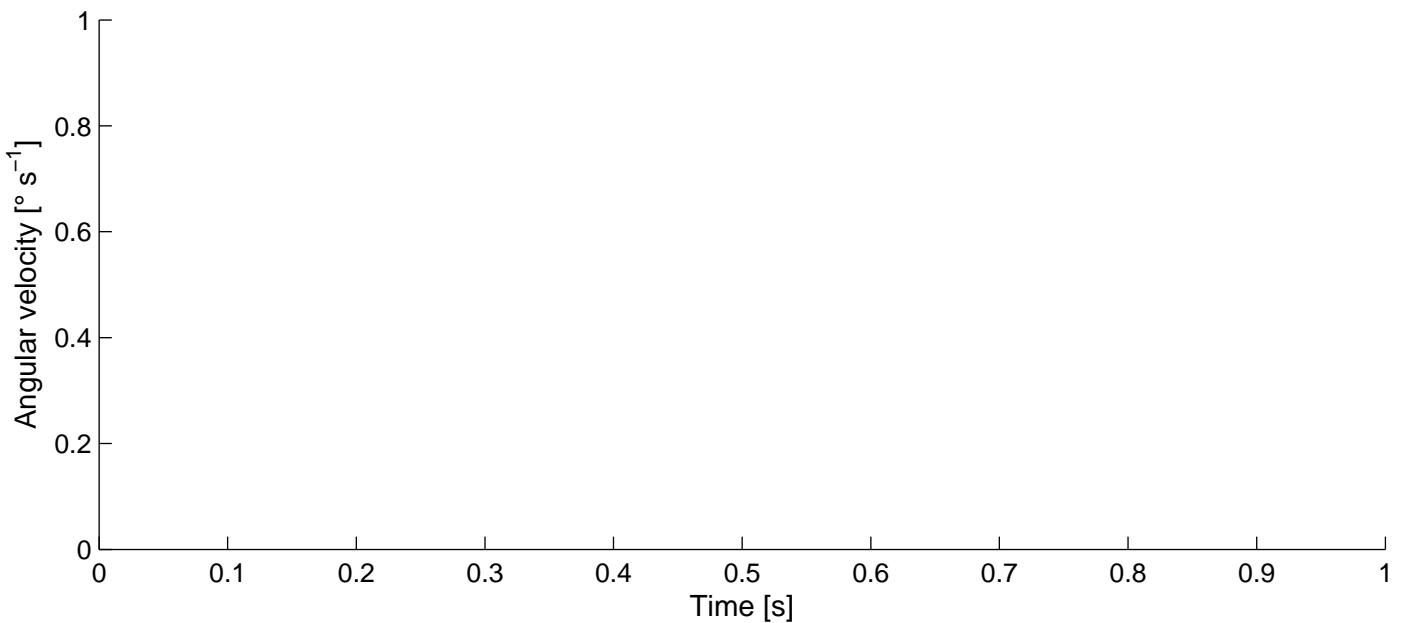
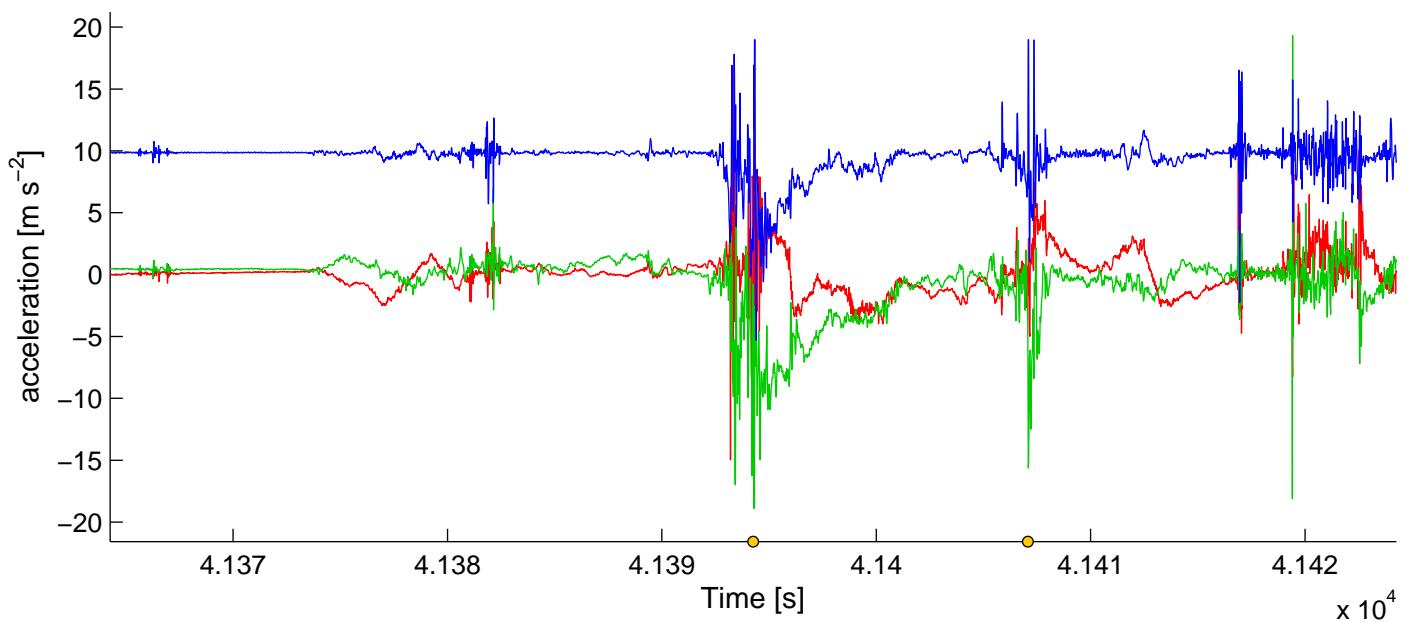
F_74827807-04-2009-02-09-22-39-54.mat

Time window: 10 s



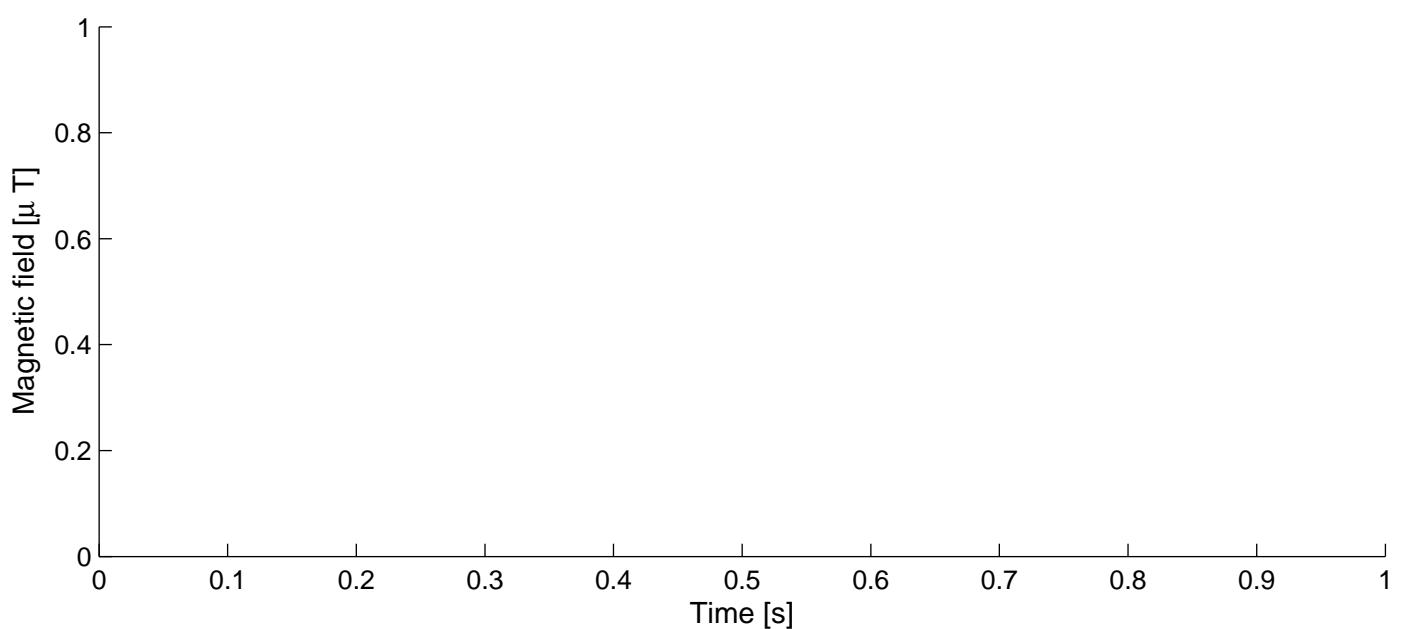
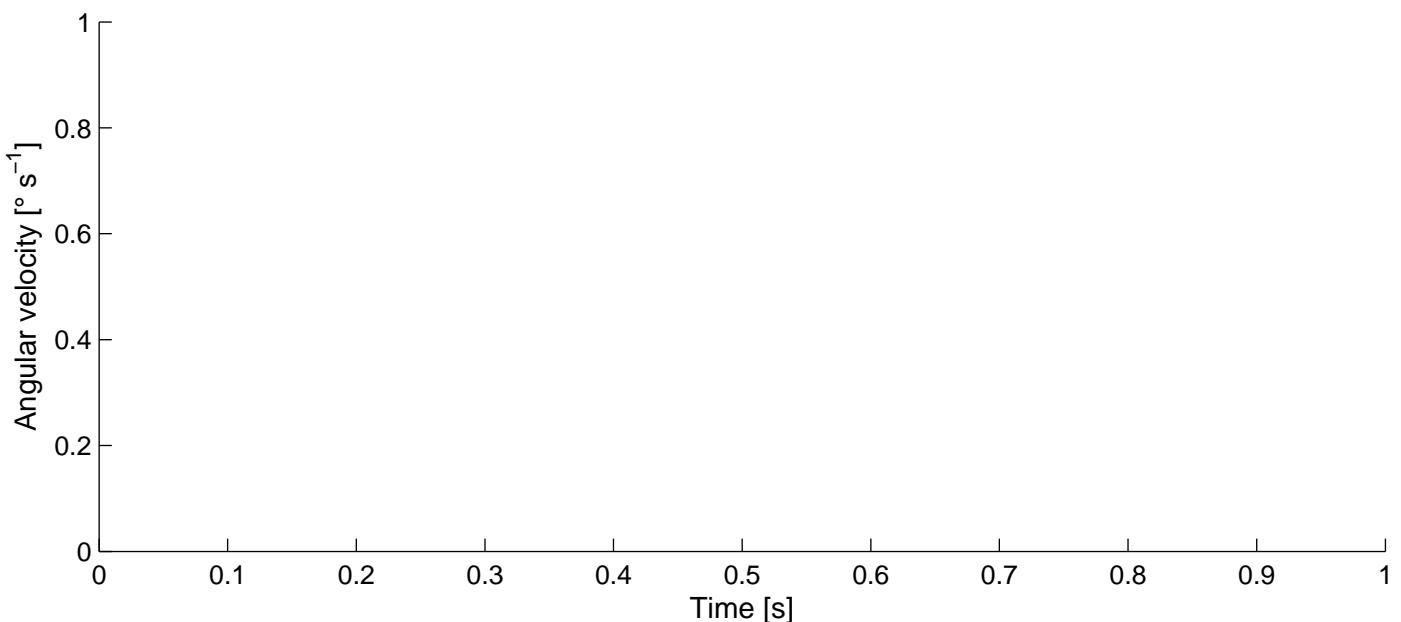
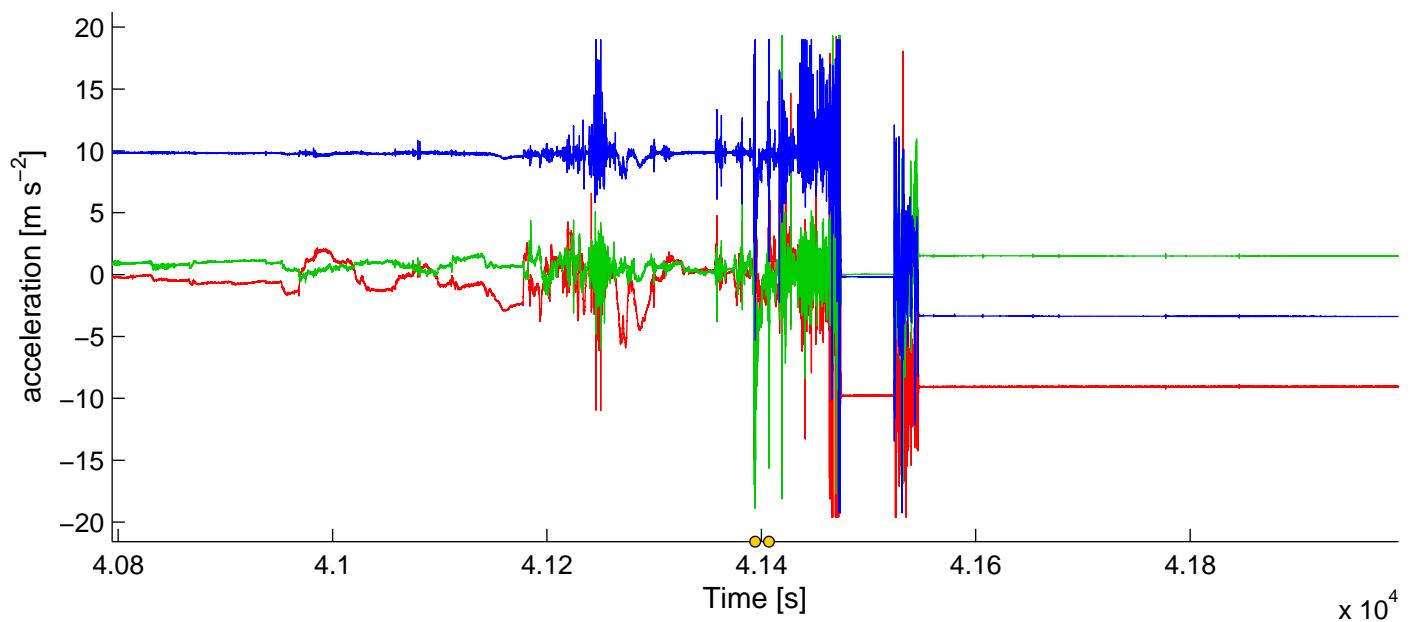
F_74827807-04-2009-02-09-22-39-54.mat

Time window: 60 s



F_74827807-04-2009-02-09-22-39-54.mat

Time window: 1200 s



Fall no.: 74827807-07

Setting: Community-dwelling

Signal file: F_74827807-07-2009-02-16-19-10-44.mat

Personal characteristics

Gender: Male Age: 60 yrs Height: 173 cm Weight: 74 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 3

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 16.02.2009 19:00:00 Fall time signal: 16.02.2009 19:10:44

Walking, then fell down in front of the entrance of the house.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Unknown

Indoor/outdoor: No

Place of fall: Entrance at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

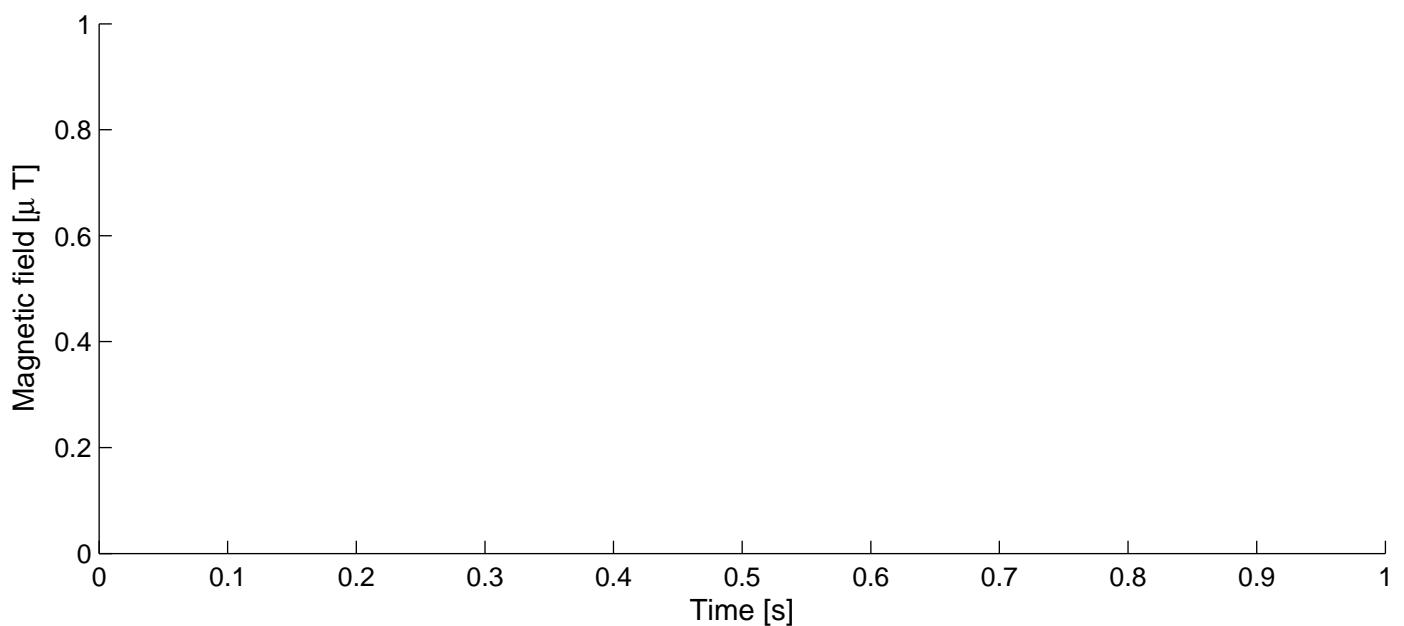
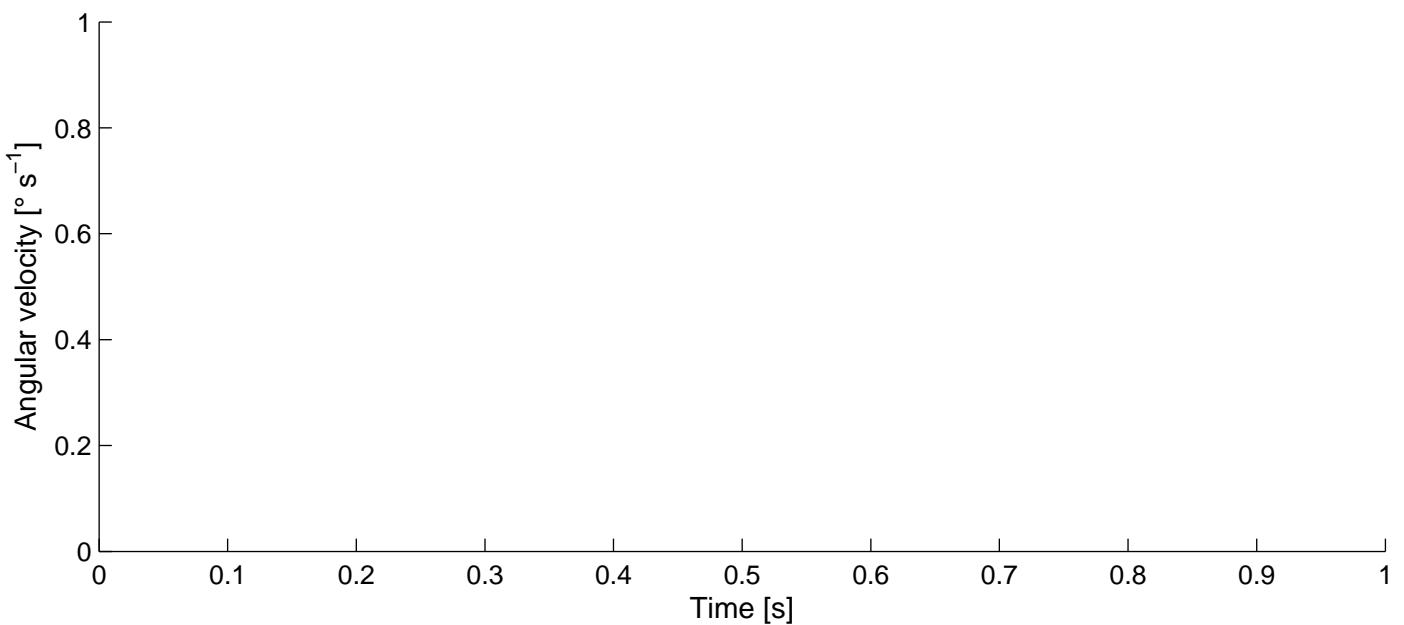
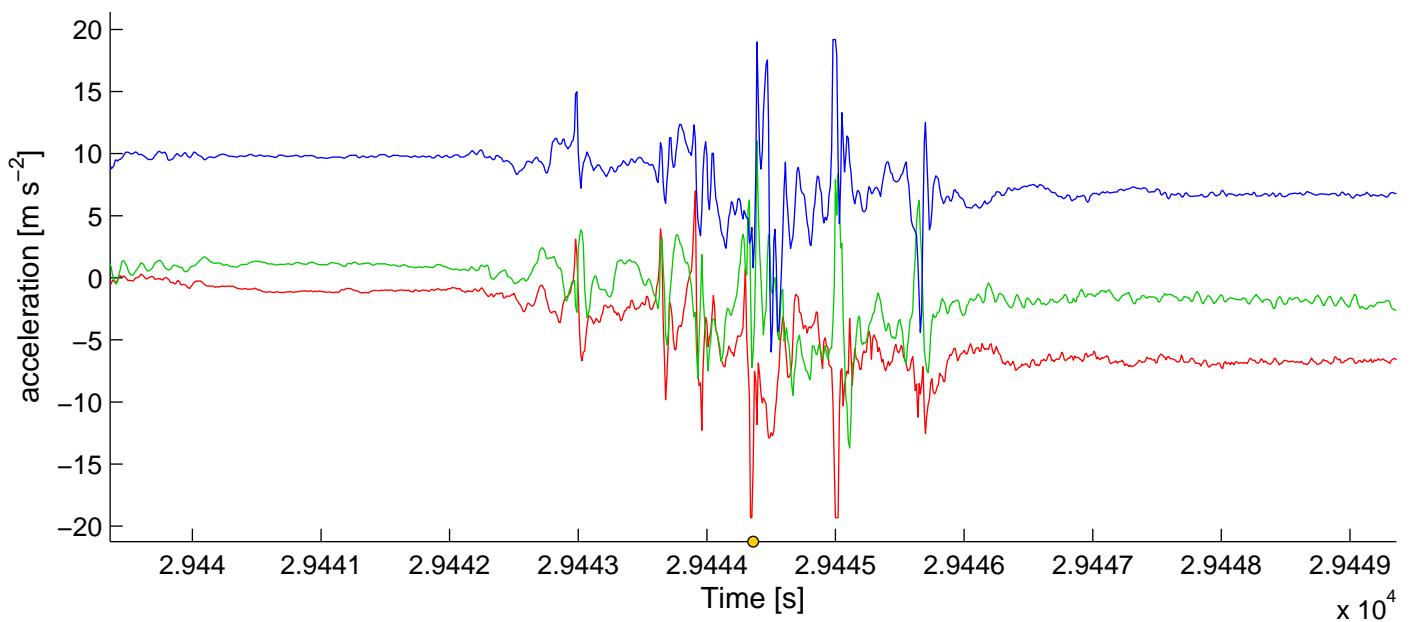
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

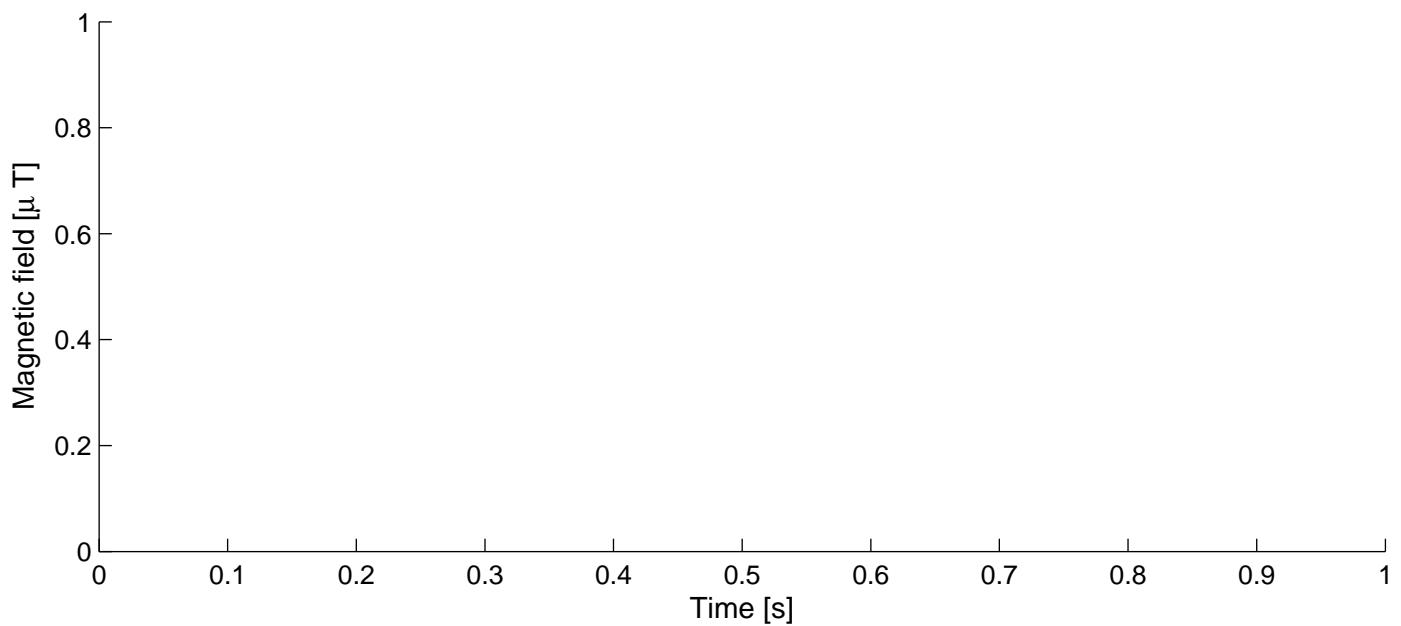
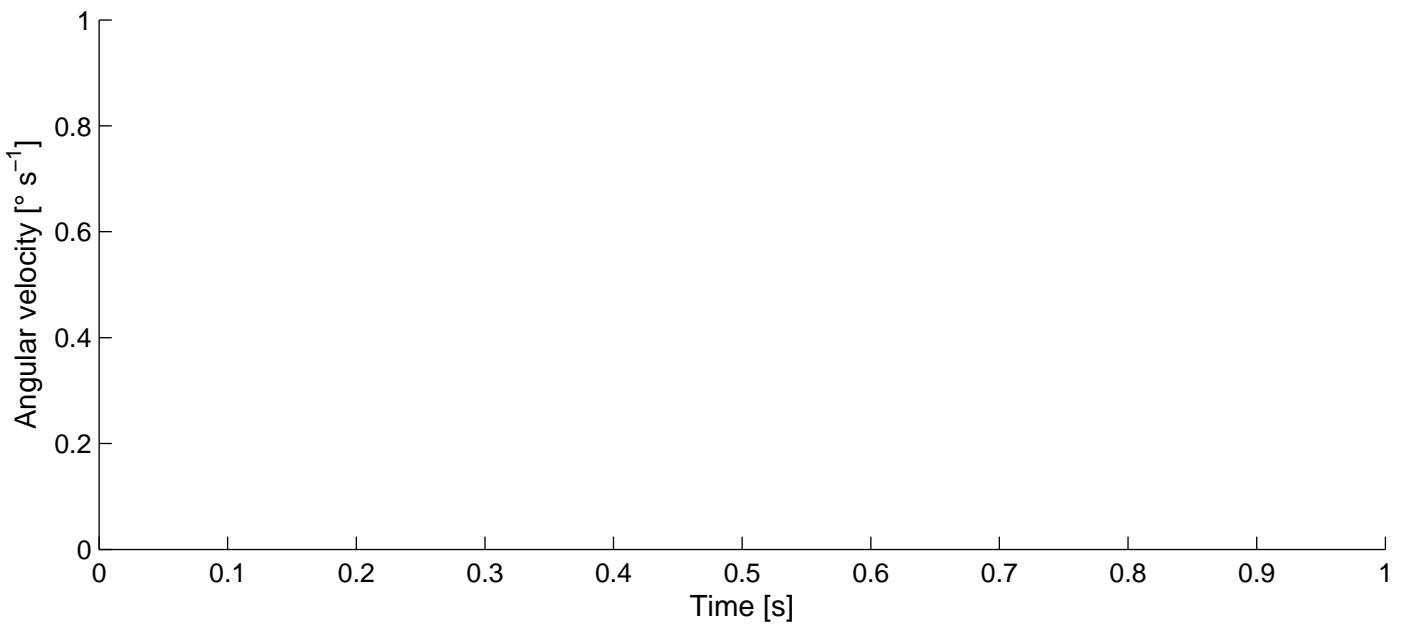
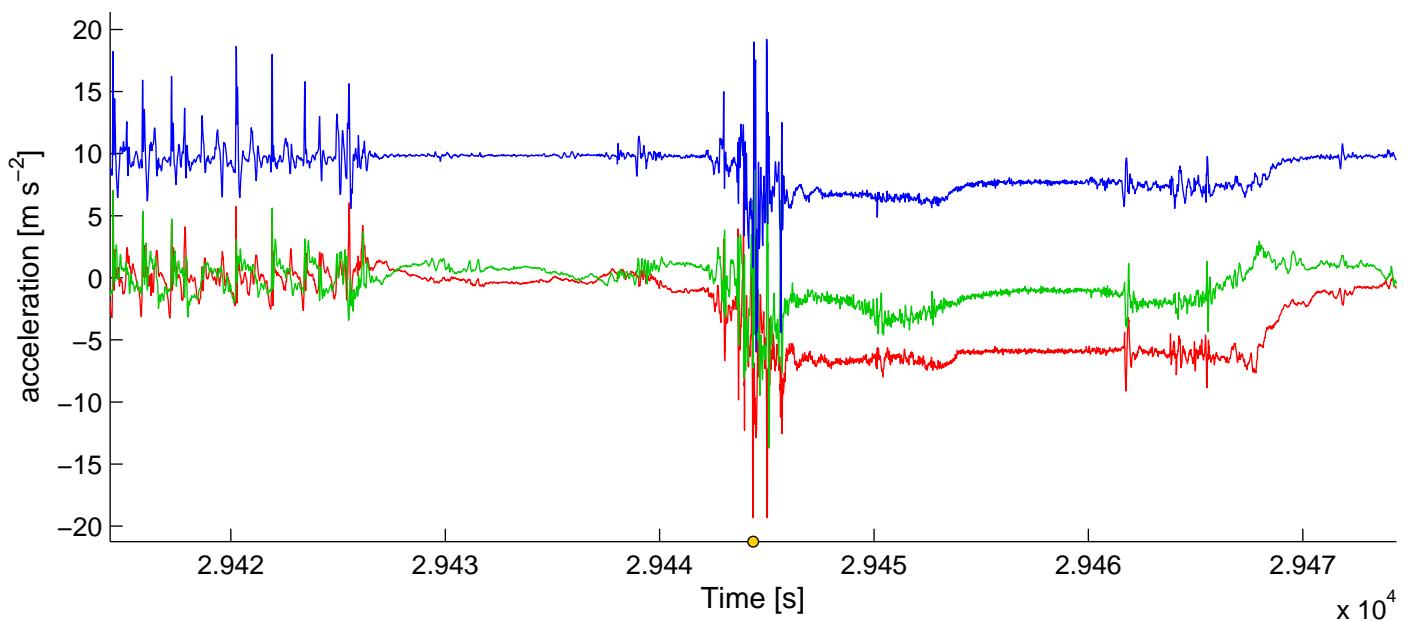
F_74827807-07-2009-02-16-19-10-44.mat

Time window: 10 s



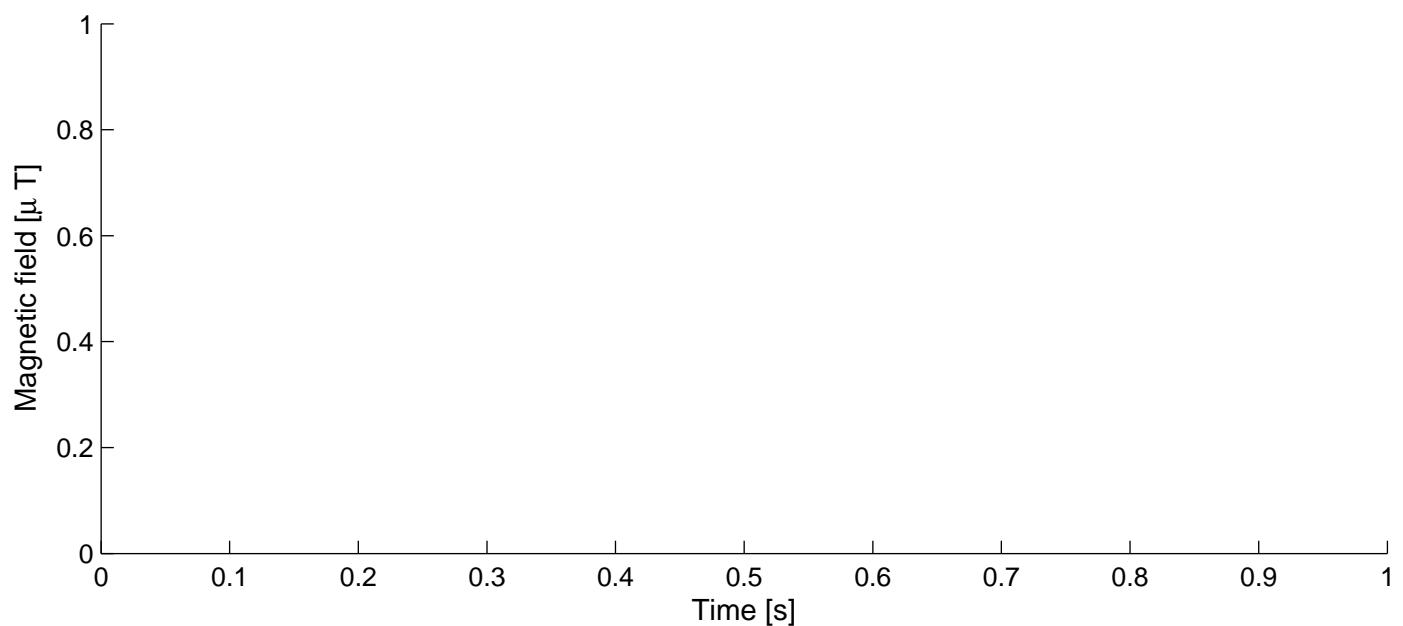
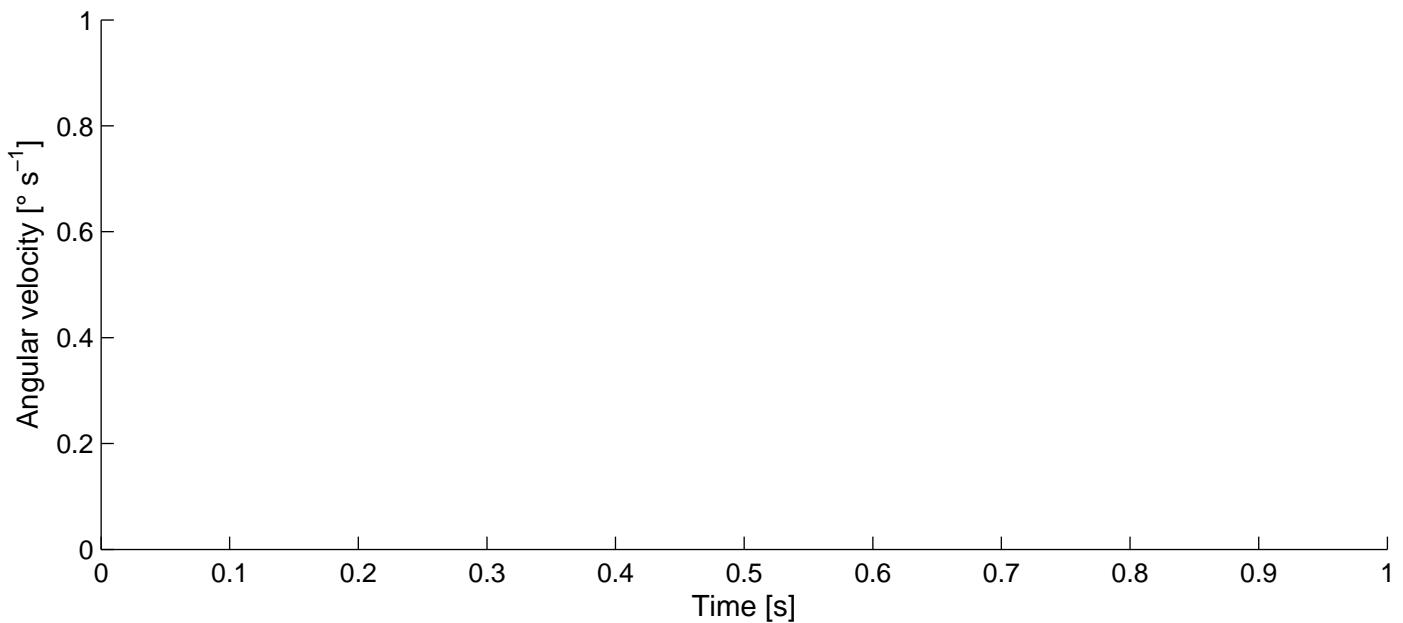
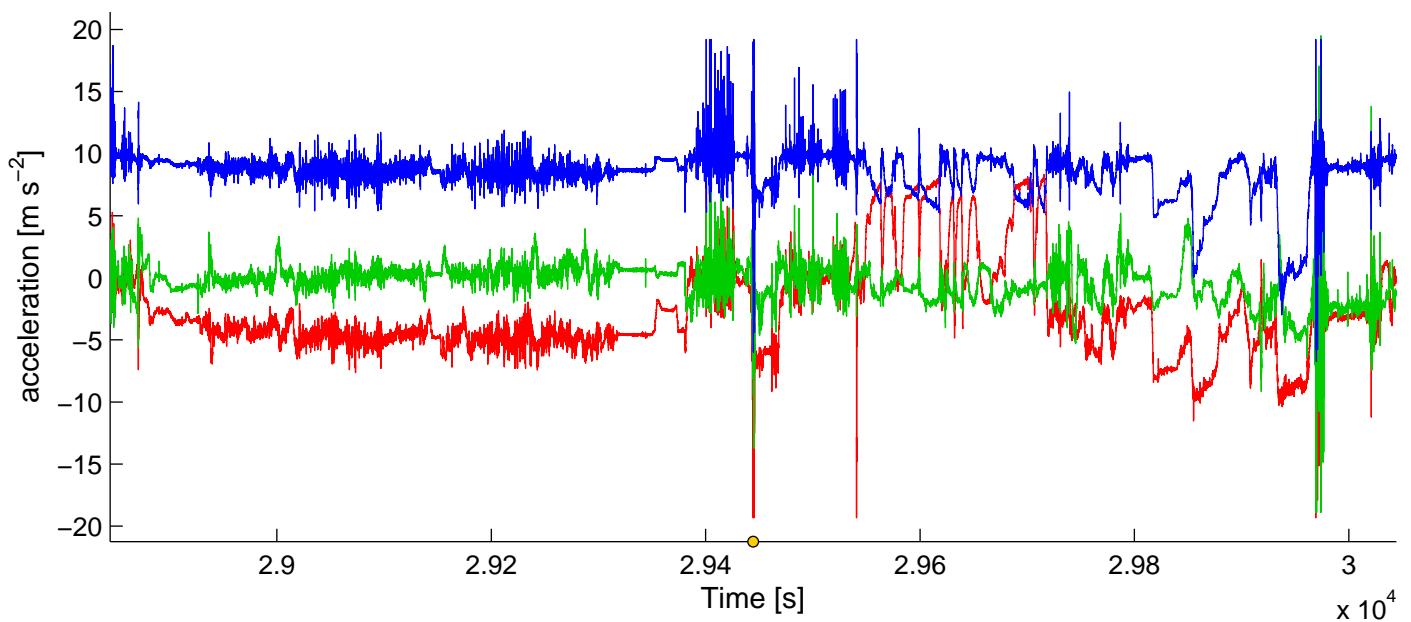
F_74827807-07-2009-02-16-19-10-44.mat

Time window: 60 s



F_74827807-07-2009-02-16-19-10-44.mat

Time window: 1200 s



Fall no.: 79761947-03

Setting: Geriatric rehabilitation

Signal file: F_79761947-03-2012-06-24-02-09-34.mat

Personal characteristics

Gender: Female Age: 75 yrs Height: 159 cm Weight: 75 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 3

Gait: 2 Cognition: 0

Emotional disturbance: 2 Vision: 3

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 24.06.2012 02:20:00 Fall time signal: 24.06.2012 02:09:34

Changing the hip protector, fell backwards on the ground and hit the toilet.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, bathroom

Multiple impact: Yes Fall on: Toilett, floor

Got up without help: No

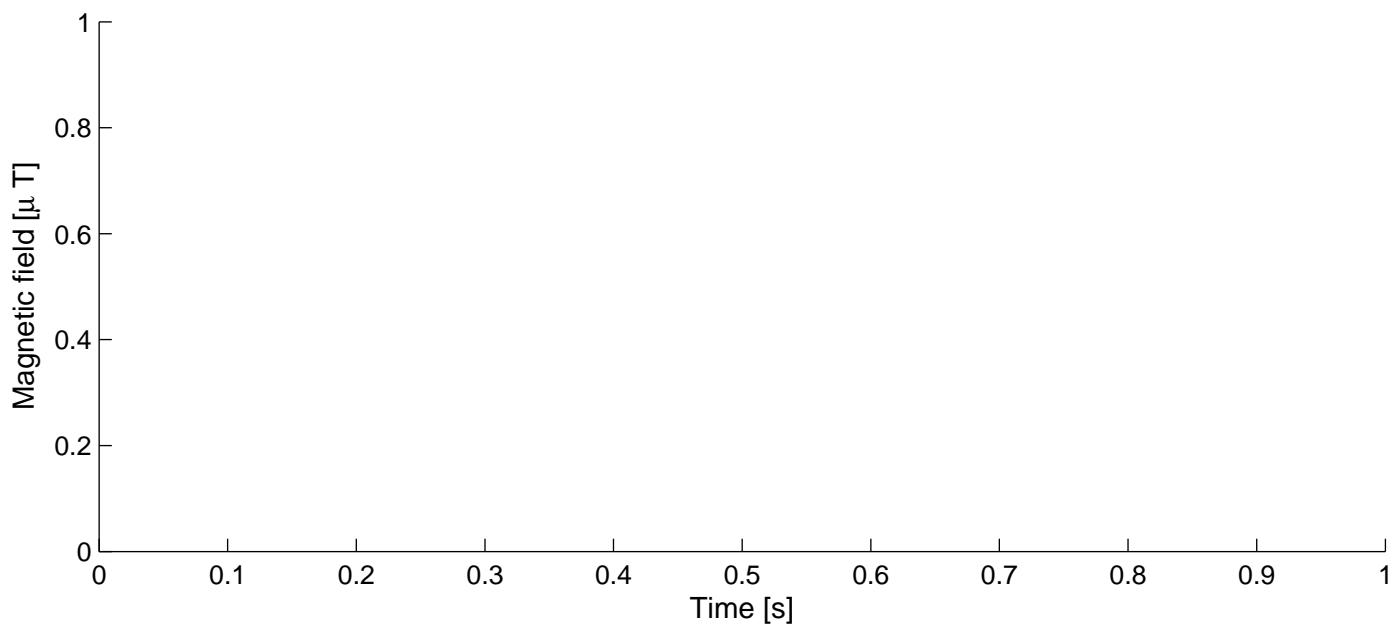
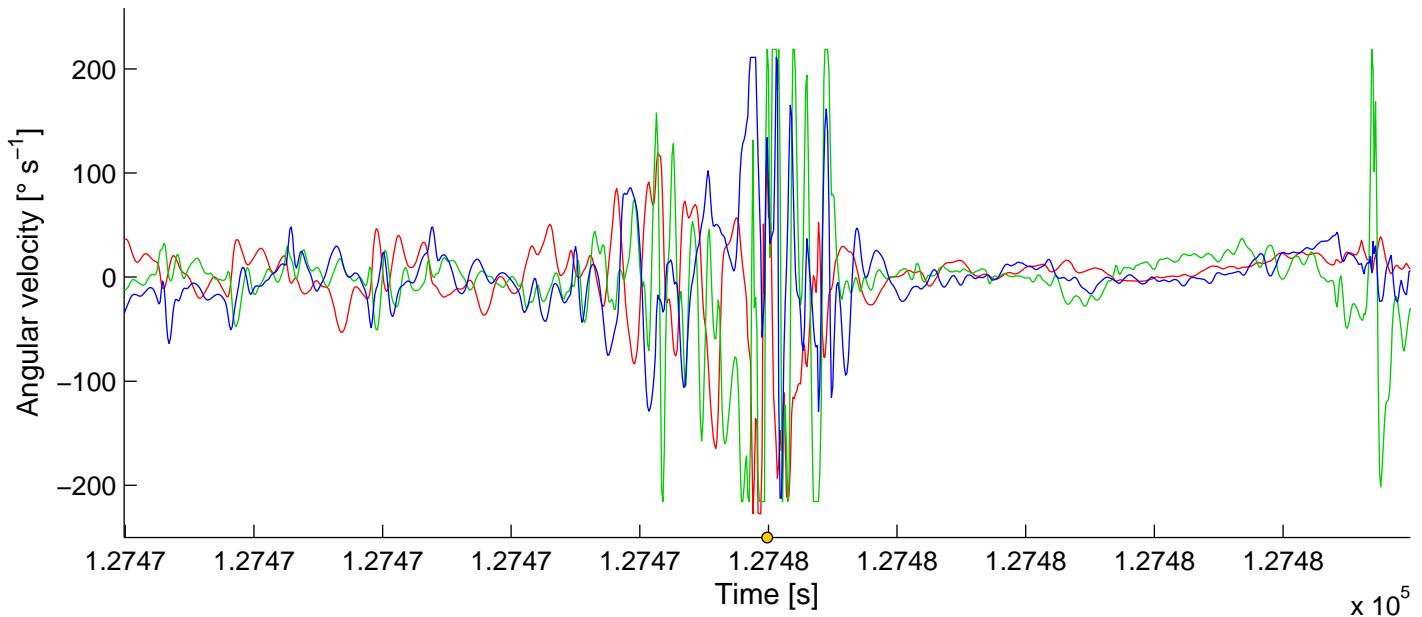
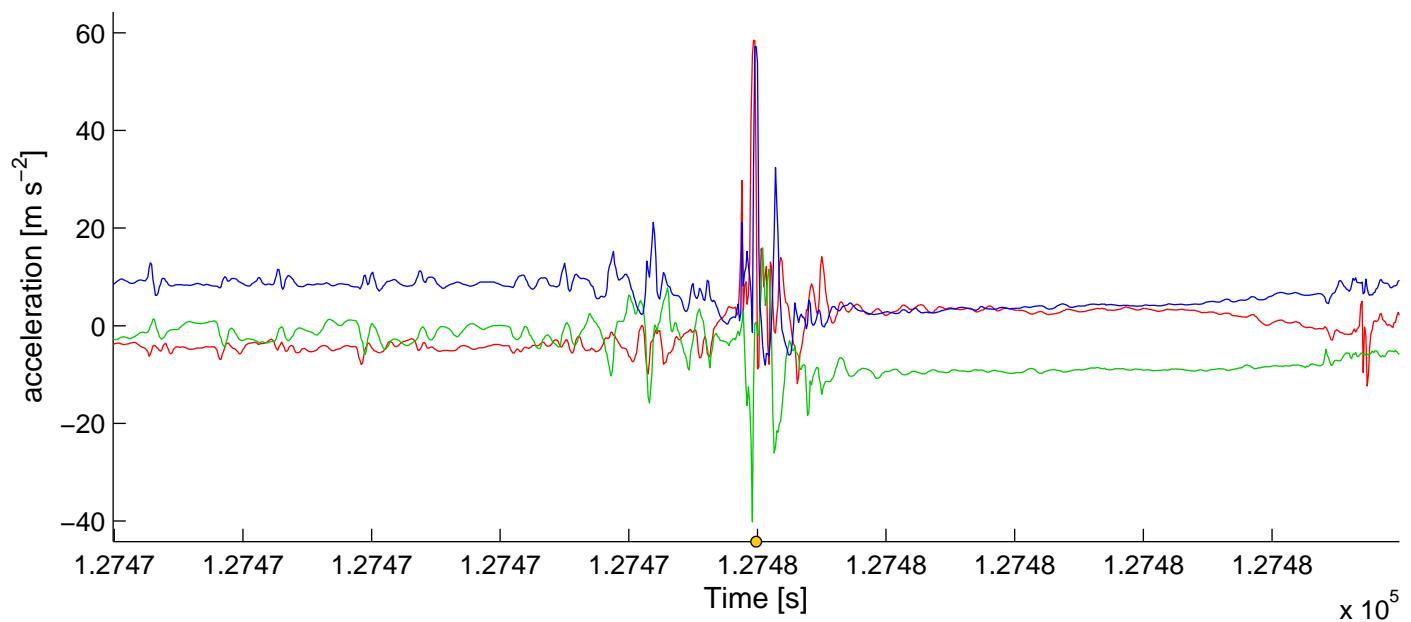
Injury: Yes Injury classification: B

Injury location: Back Adopted measures: Medical contact

Injury description: Scrape on the back

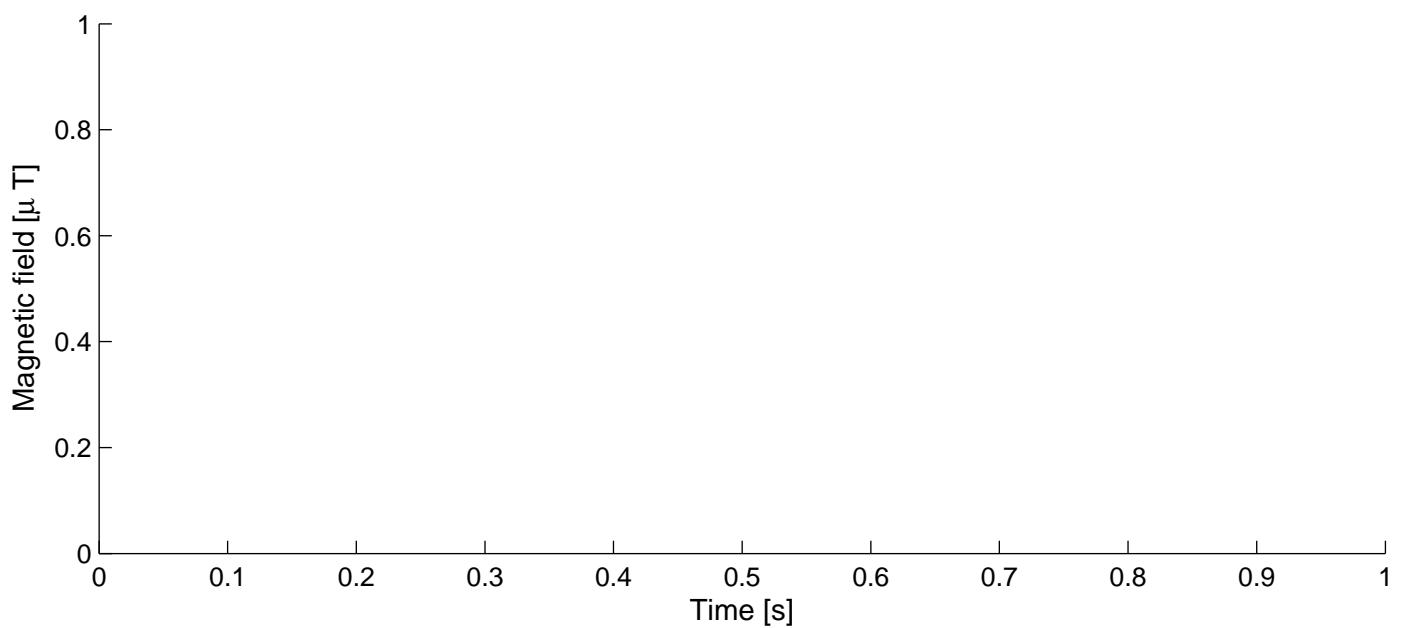
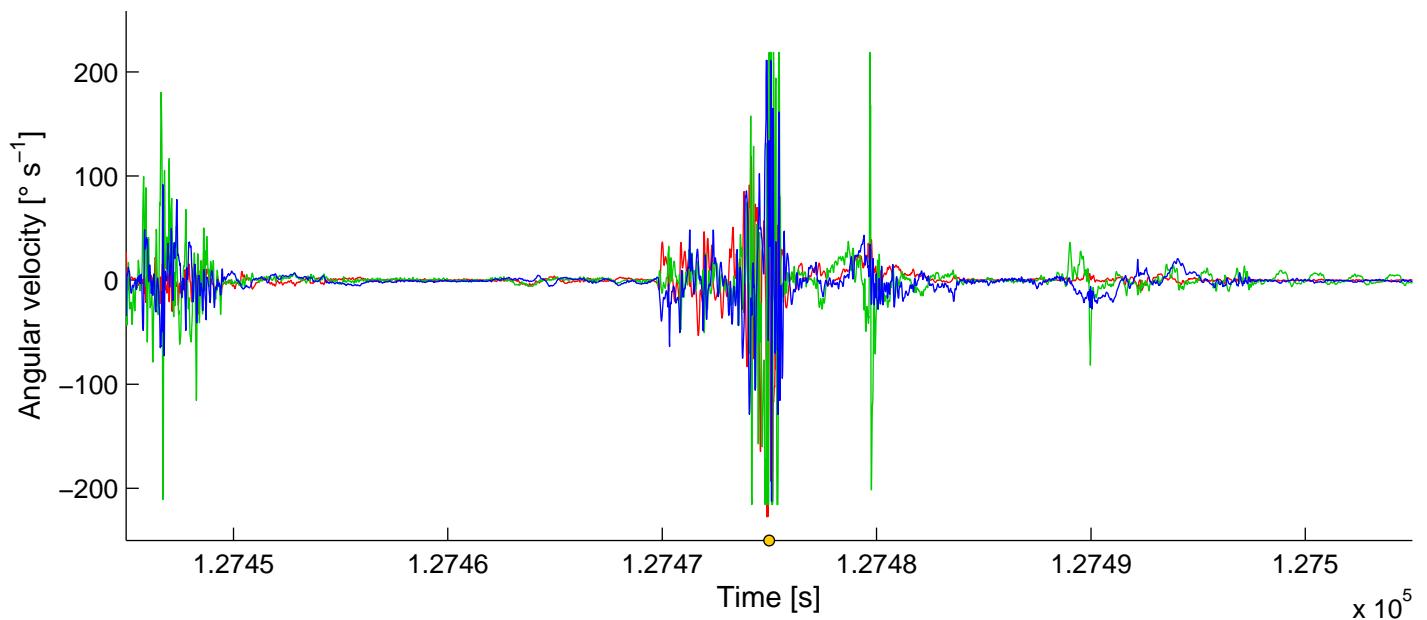
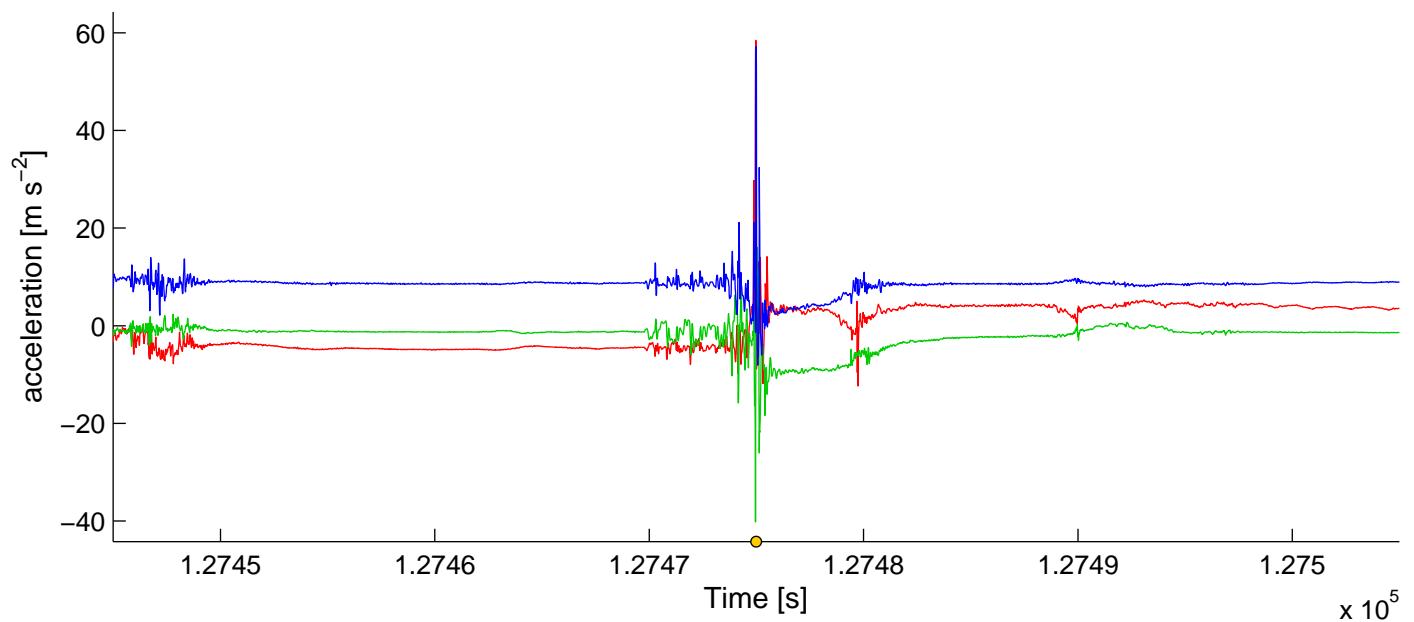
F_79761947-03-2012-06-24-02-09-34.mat

Time window: 10 s



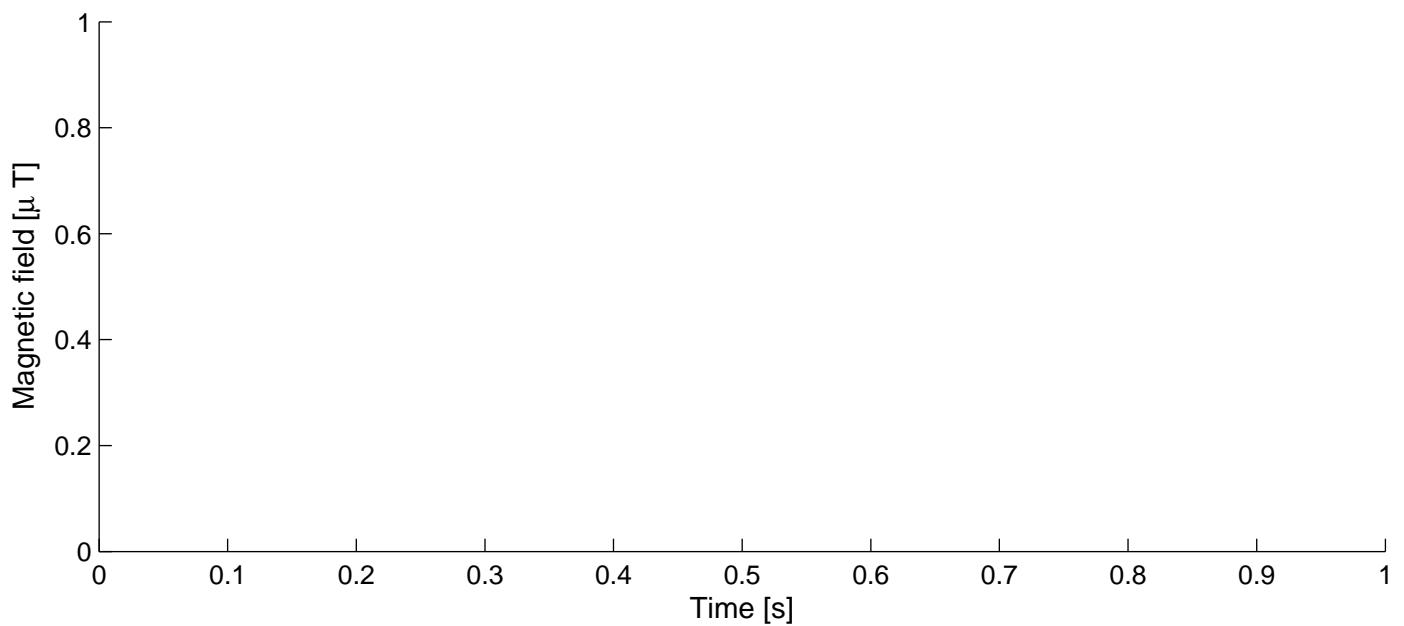
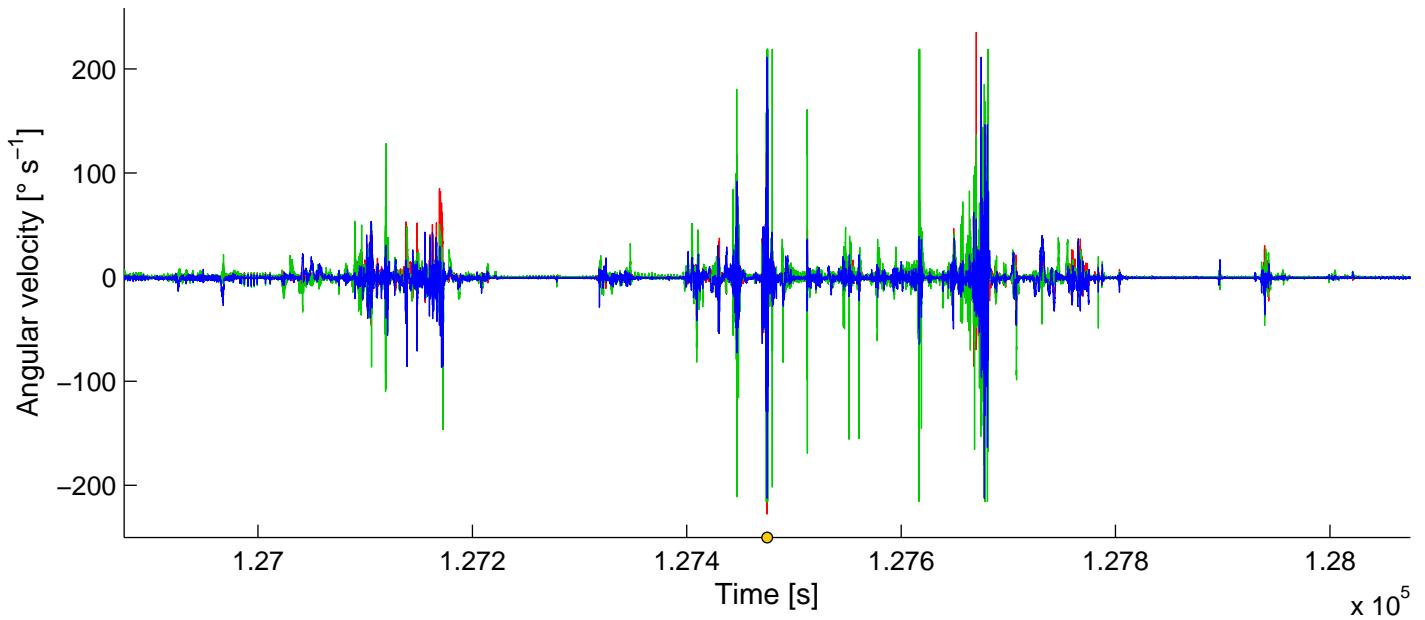
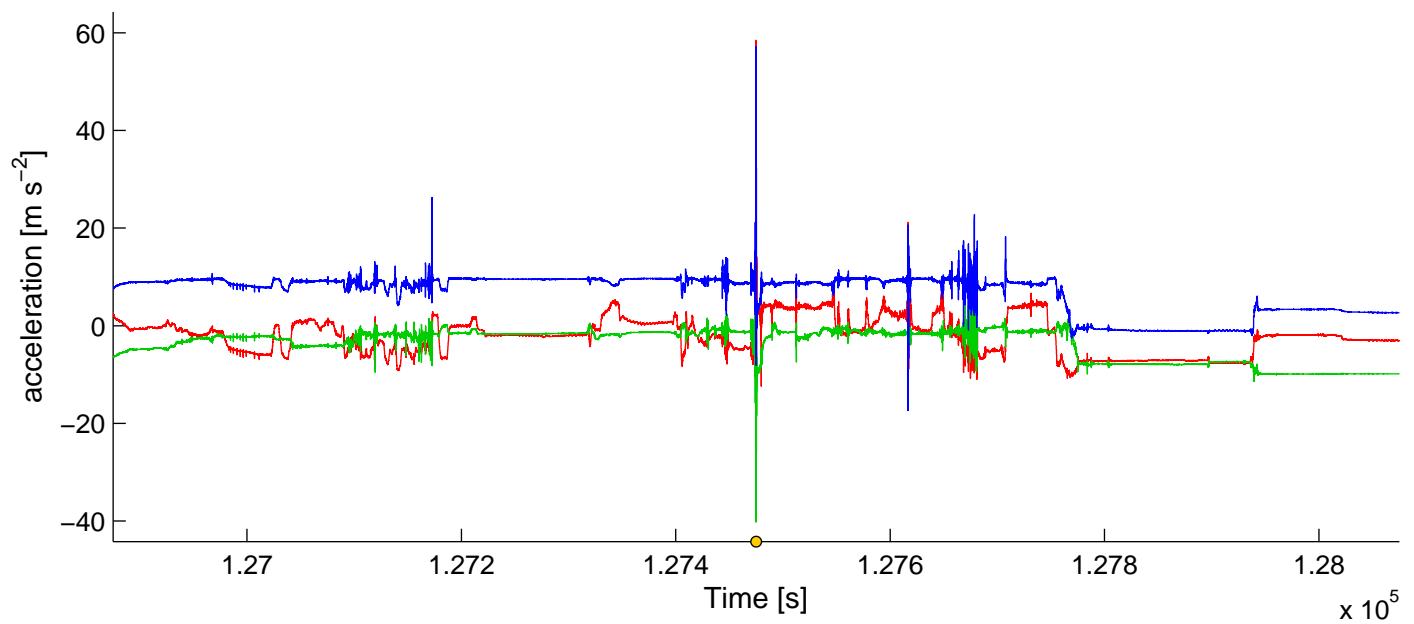
F_79761947-03-2012-06-24-02-09-34.mat

Time window: 60 s



F_79761947-03-2012-06-24-02-09-34.mat

Time window: 1200 s



Fall no.: 91943076-01

Setting: Community-dwelling

Signal file: F_91943076-01-2009-02-26-12-42-02.mat

Personal characteristics

Gender: Female Age: 56 yrs Height: 150 cm Weight: 81 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 26.02.2009 12:45:00 Fall time signal: 26.02.2009 12:42:02

Fell down in front of the entrance of the house.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Kitchen at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

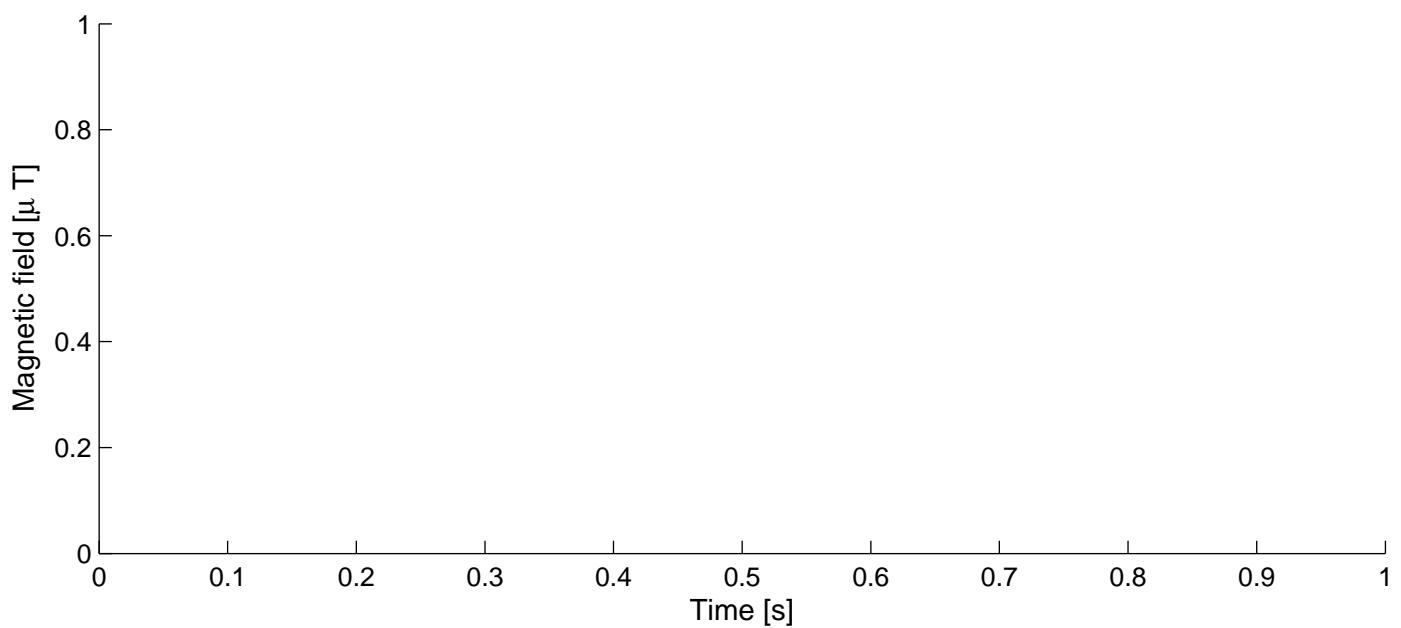
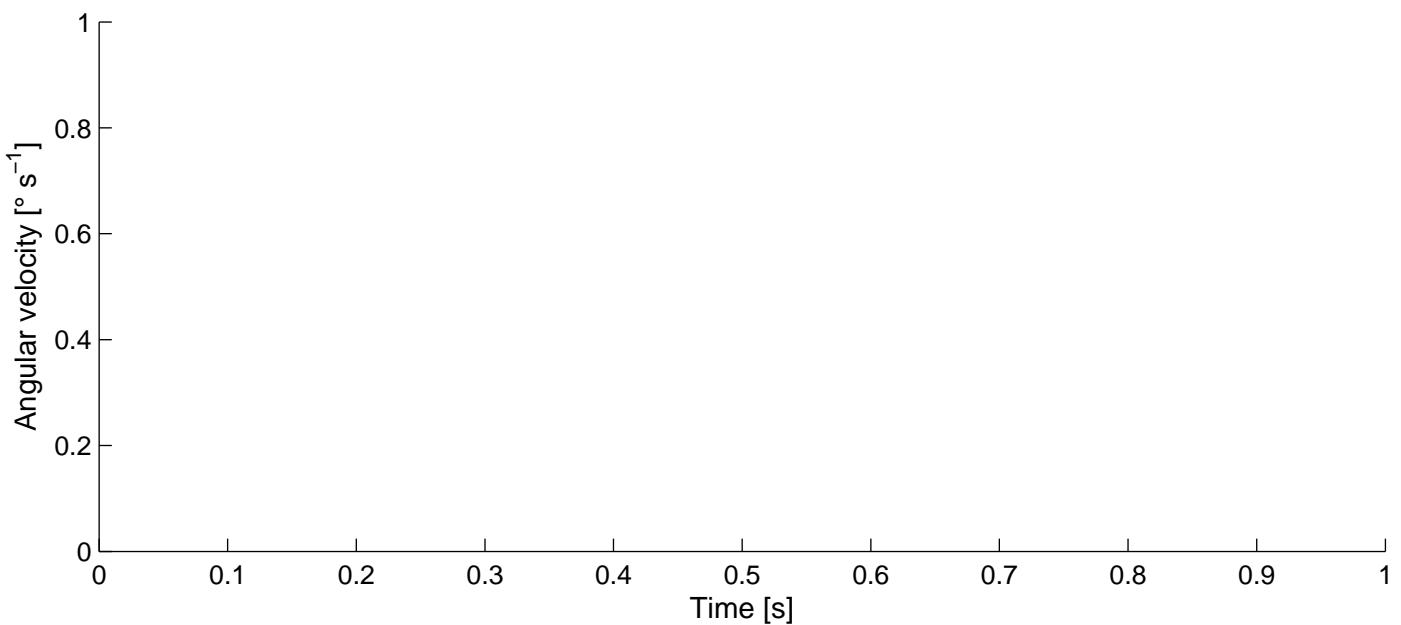
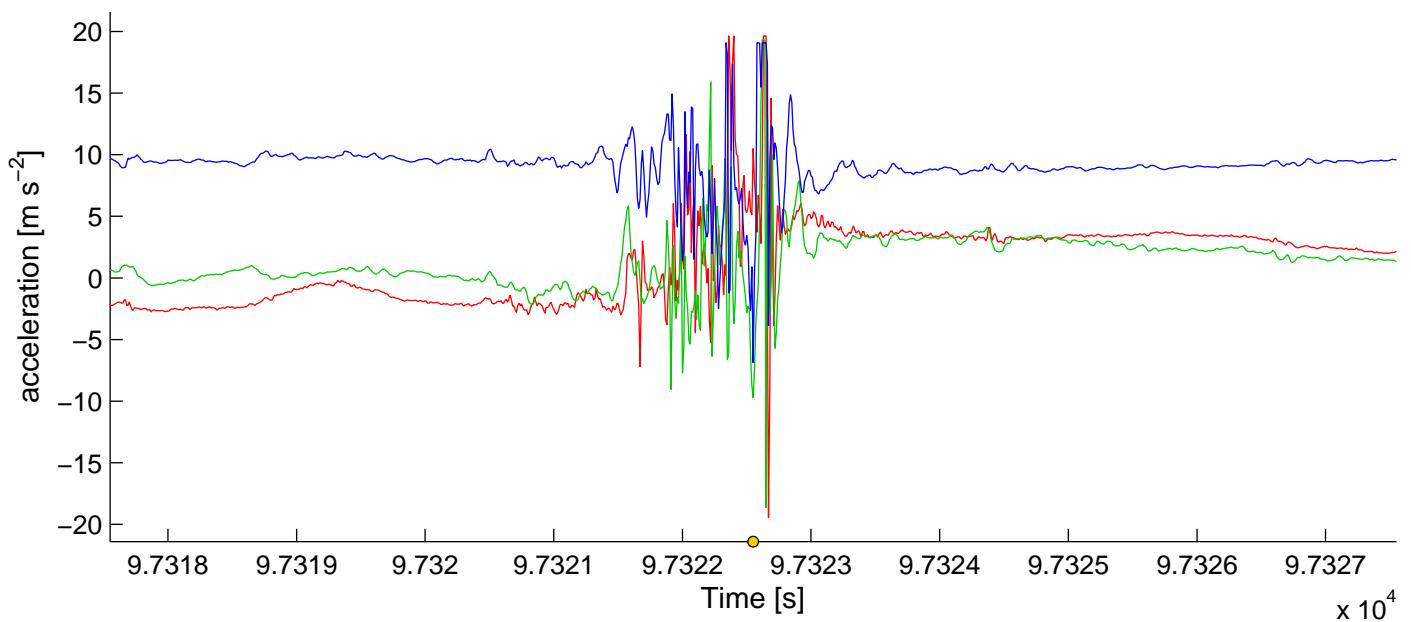
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

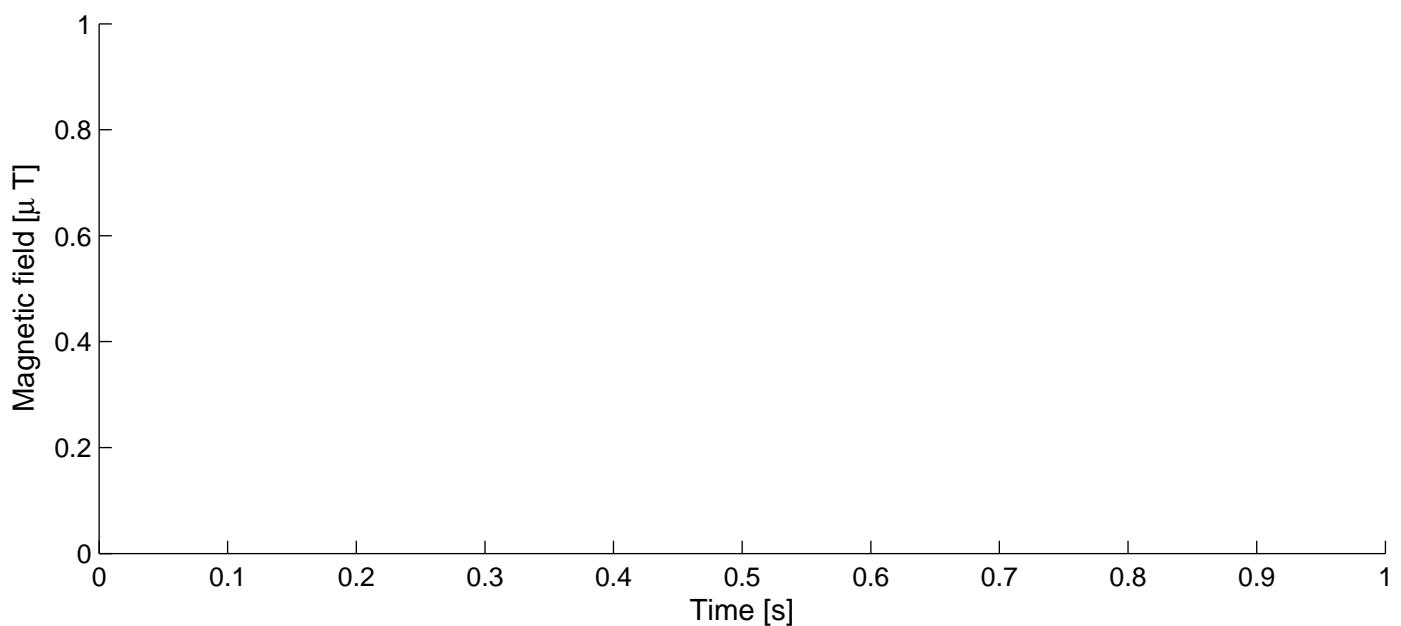
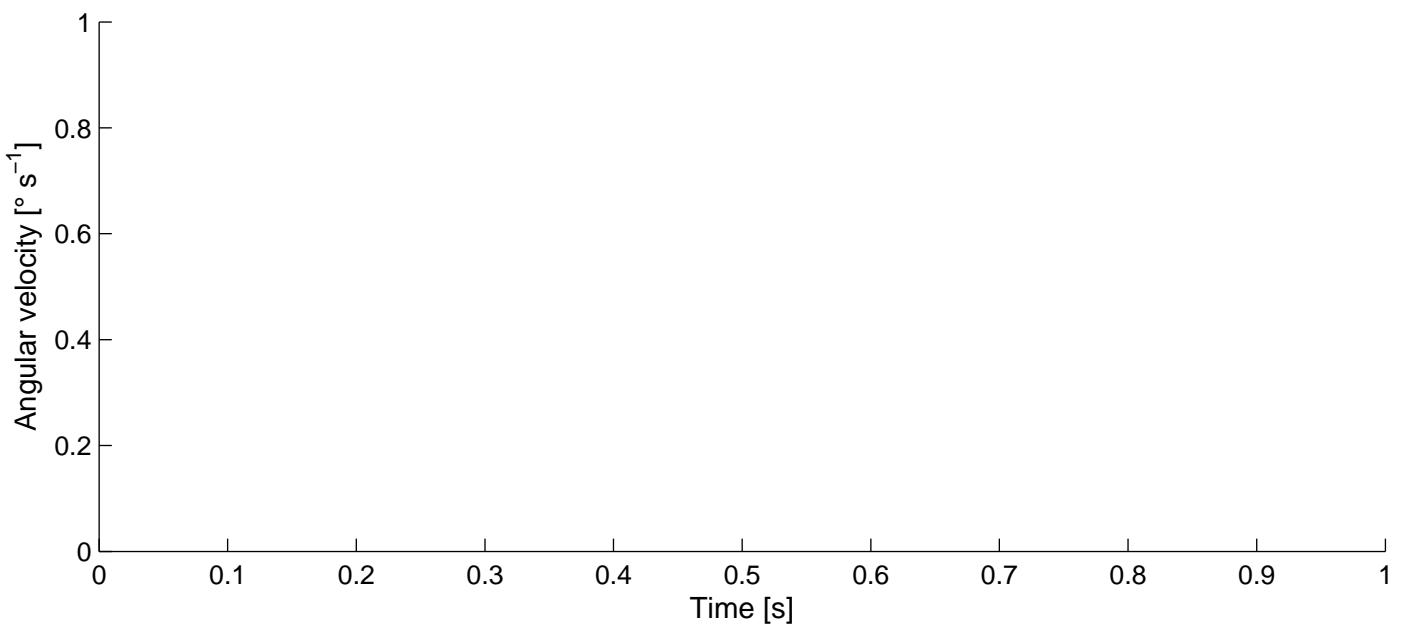
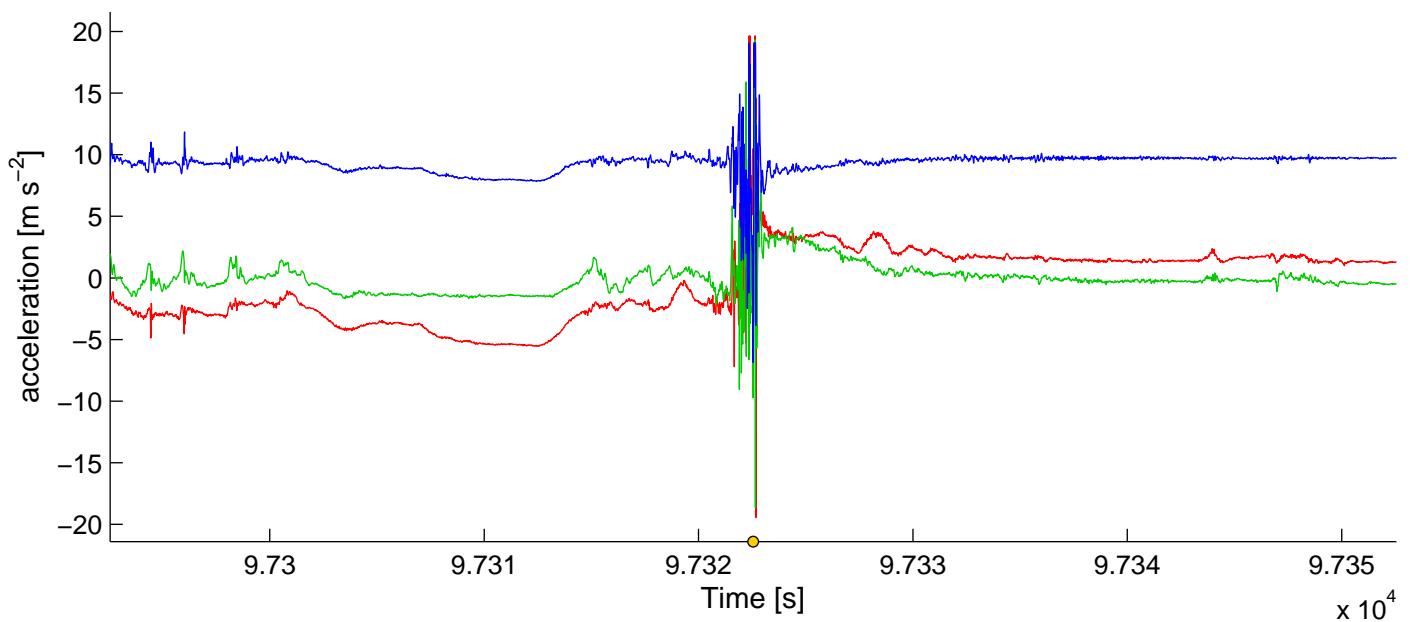
F_91943076-01-2009-02-26-12-42-02.mat

Time window: 10 s



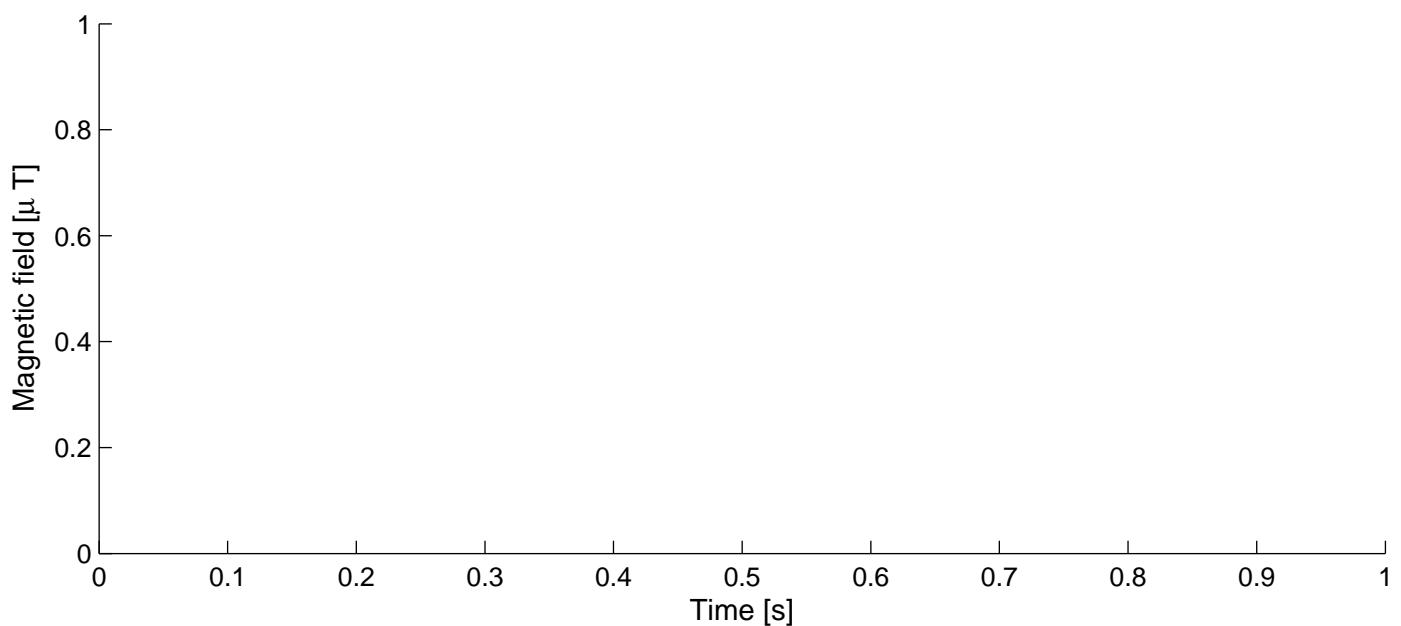
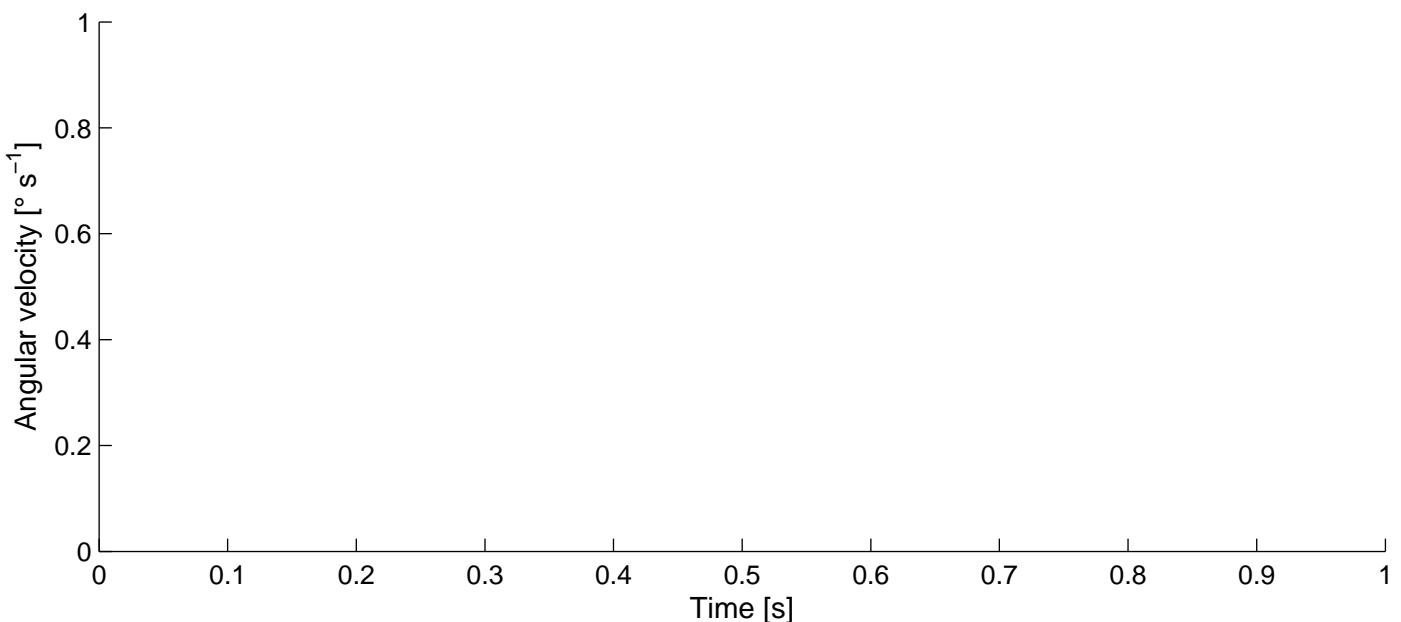
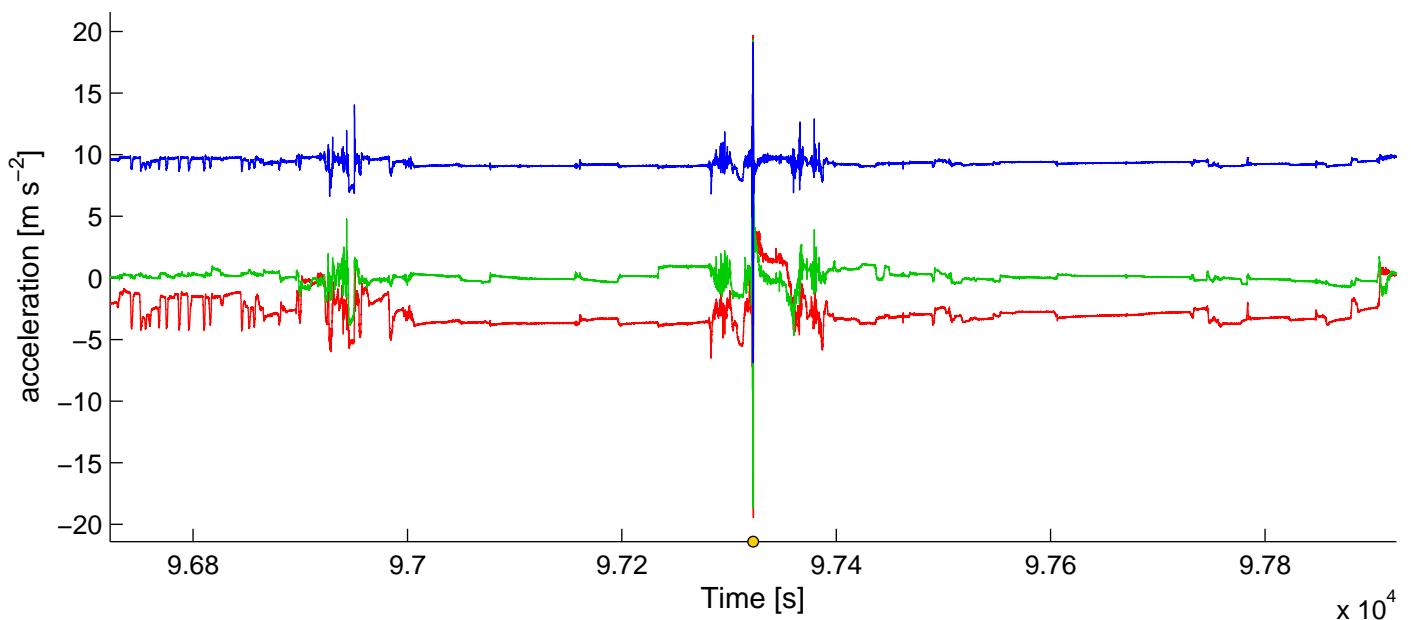
F_91943076-01-2009-02-26-12-42-02.mat

Time window: 60 s



F_91943076-01-2009-02-26-12-42-02.mat

Time window: 1200 s



Fall no.: 91943076-02

Setting: Community-dwelling

Signal file: F_91943076-02-2009-02-26-22-15-13.mat

Personal characteristics

Gender: Female Age: 56 yrs Height: 150 cm Weight: 81 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 2 Cognition: 0

Emotional disturbance: NA Vision: NA

Sensor characteristics

Device: MiniMod Location: L5

Sensor type(s): acc Unit(s): g

Sample rate: 100 Hz

Fall report

Fall time reported: 26.02.2009 22:15:00 Fall time signal: 26.02.2009 22:15:13

Walking, then fell down opening the door in the entrance hall.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Unknown

Indoor/outdoor: Yes

Place of fall: Corridor at home

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

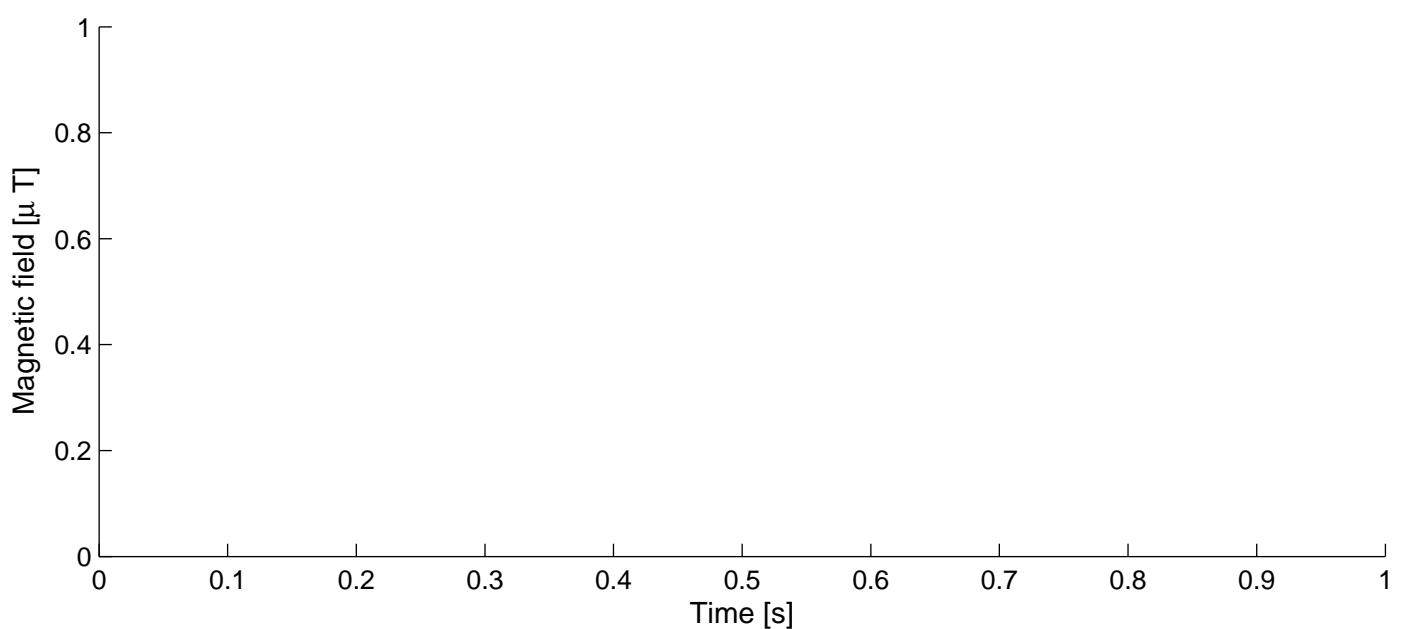
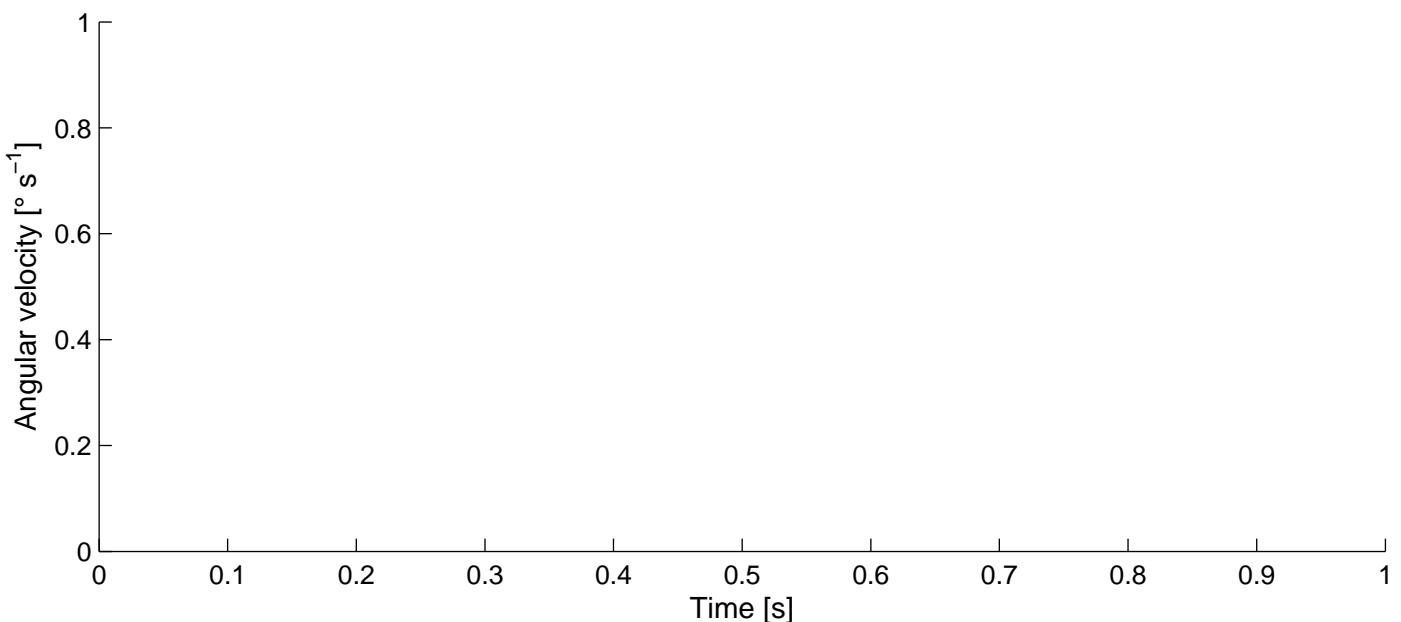
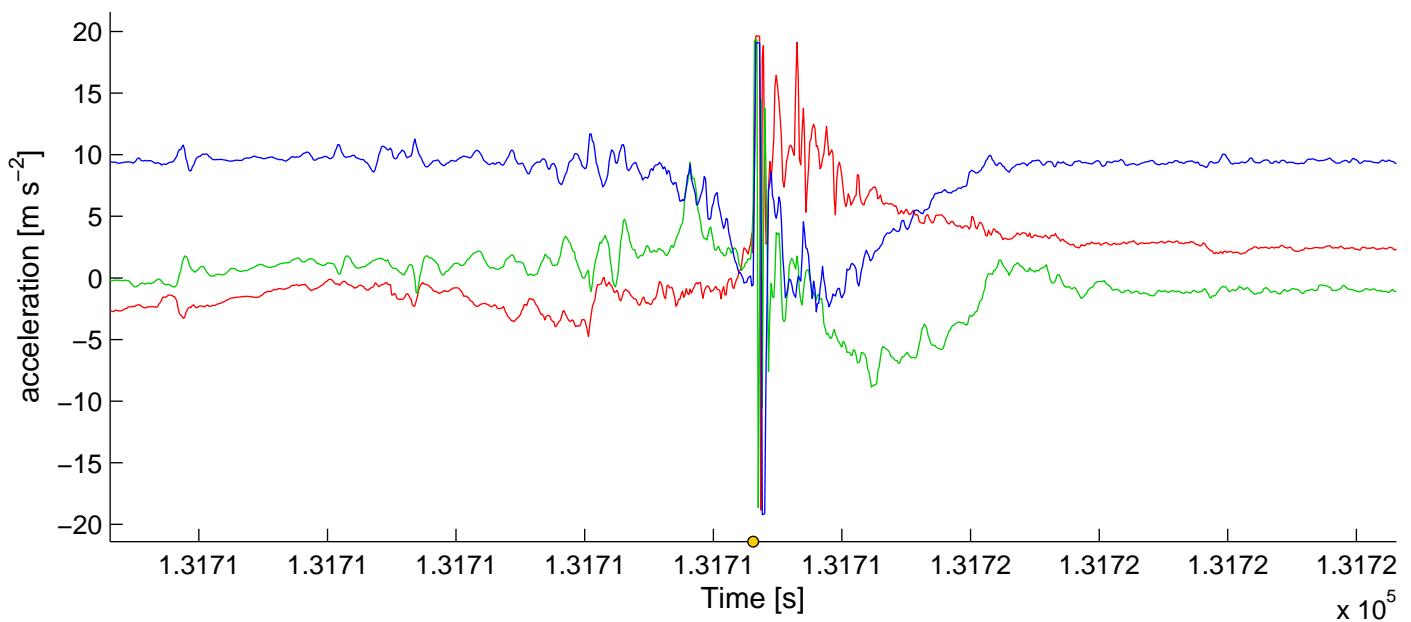
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

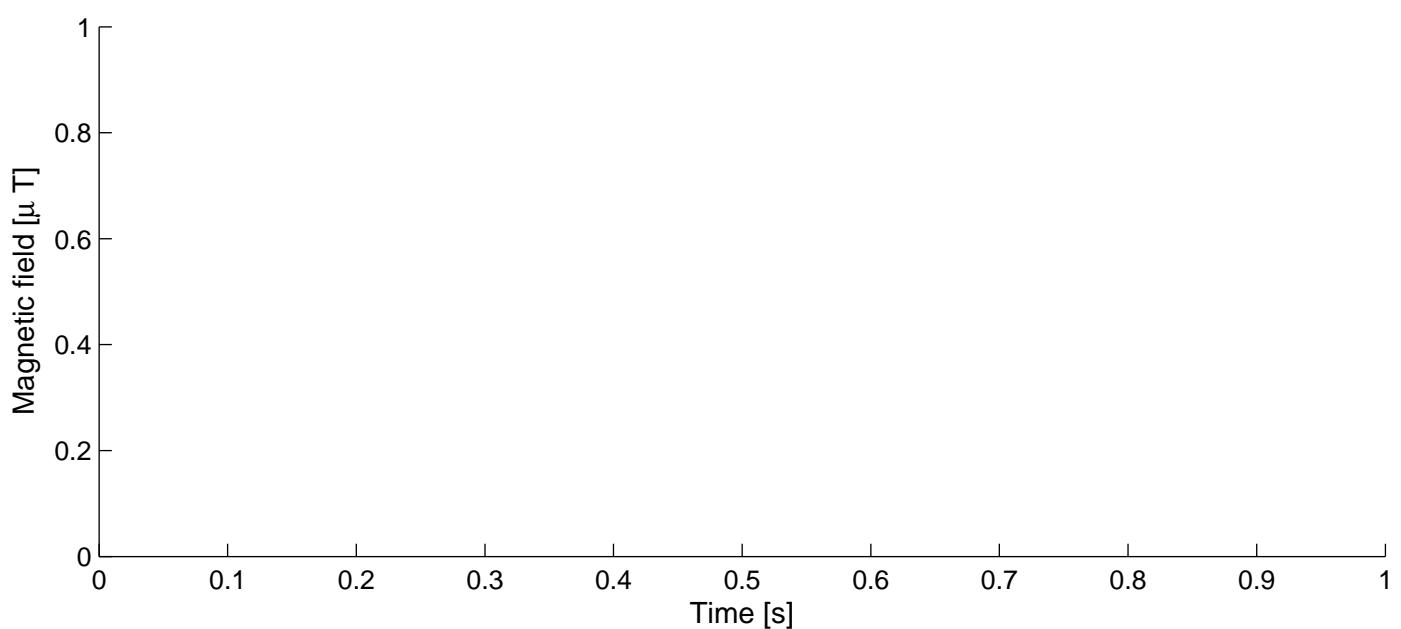
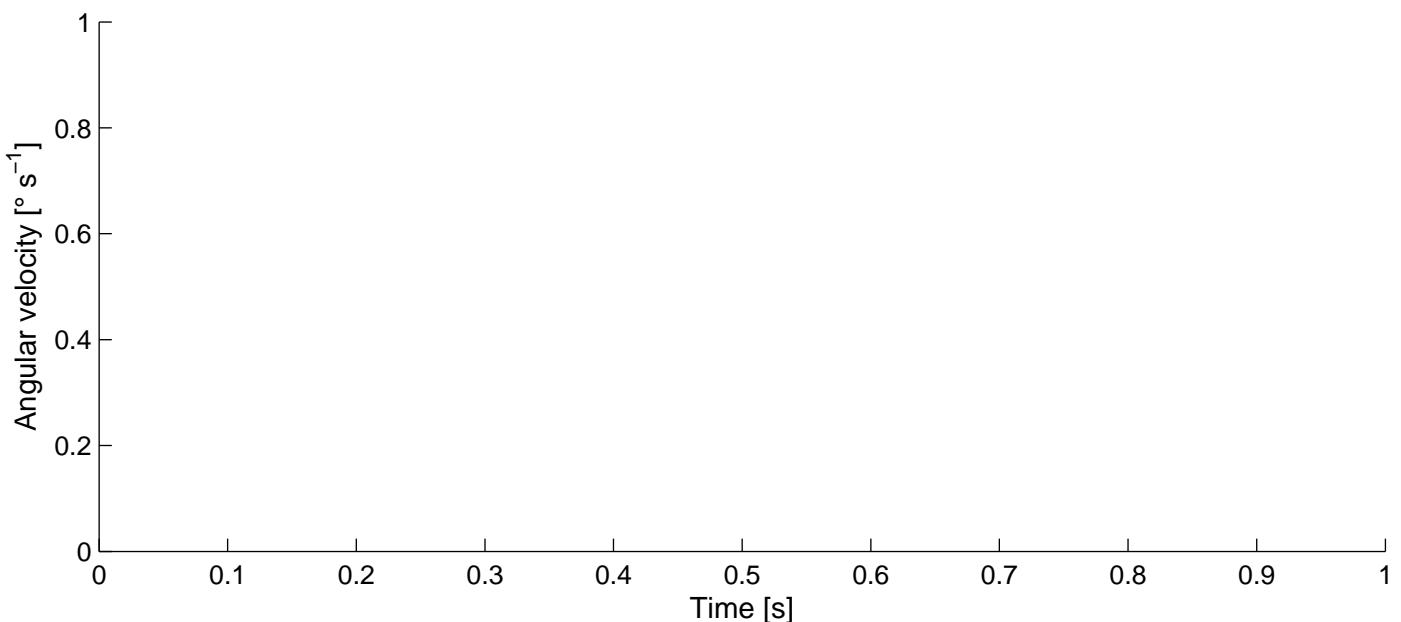
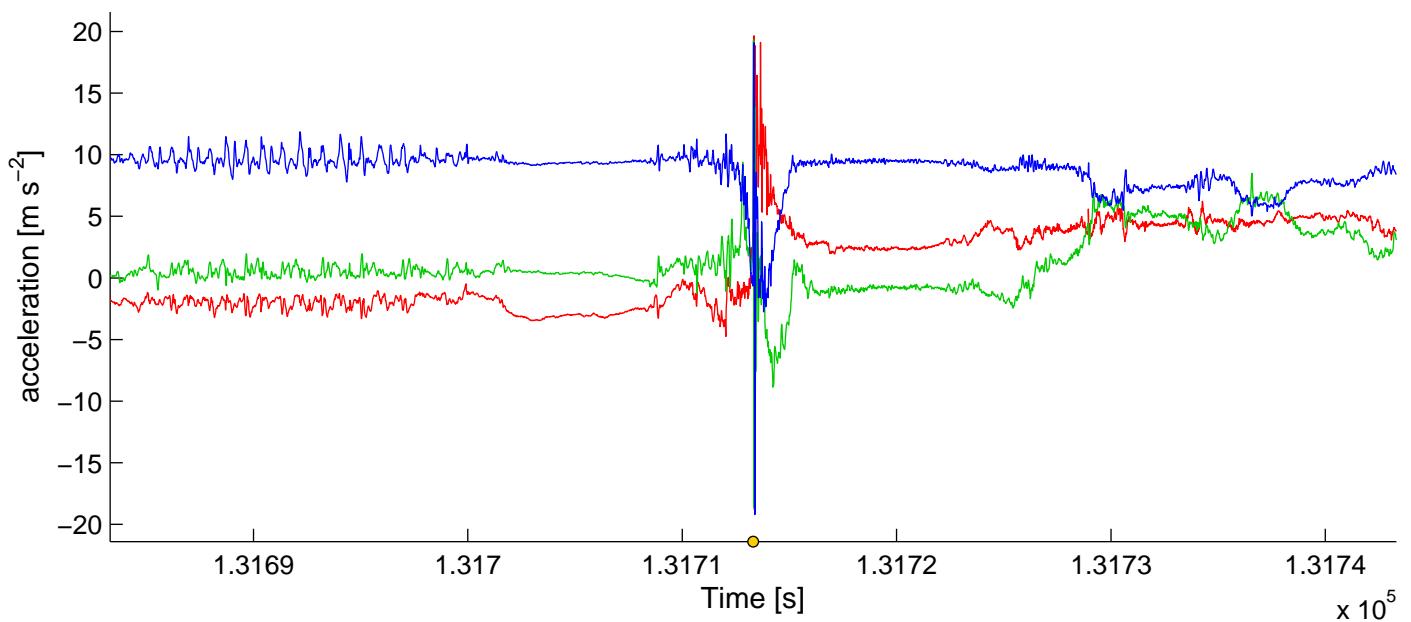
F_91943076-02-2009-02-26-22-15-13.mat

Time window: 10 s



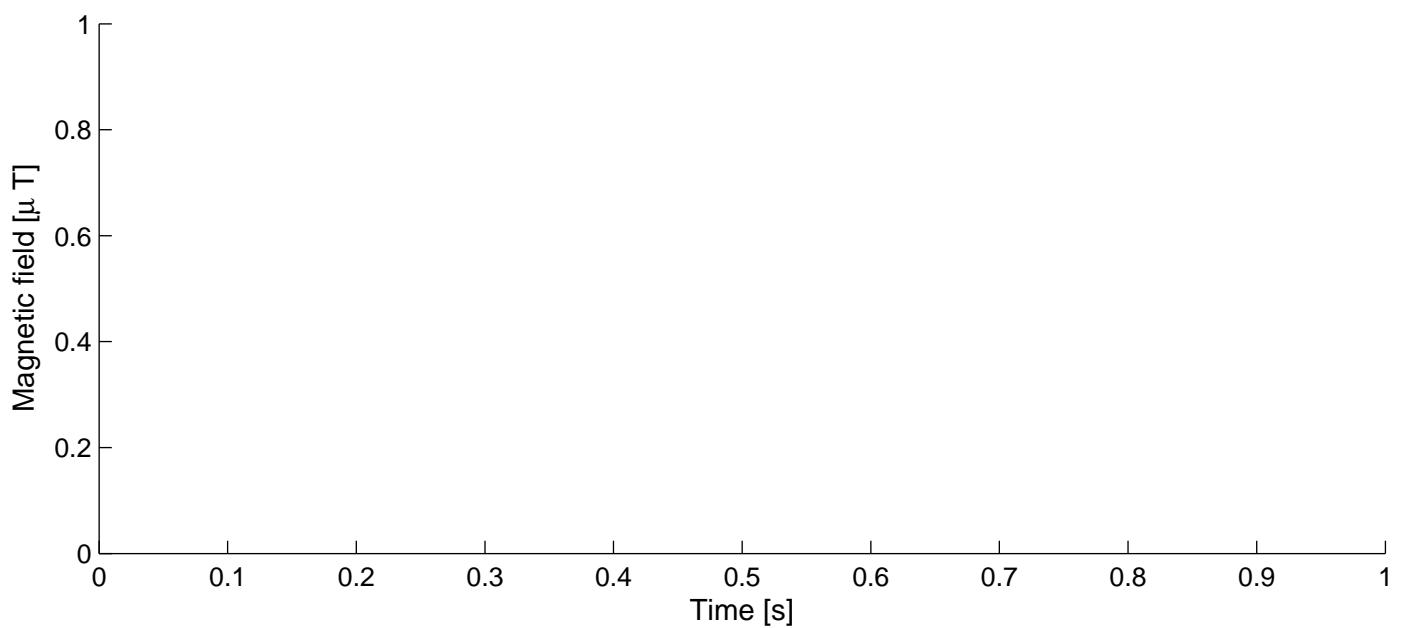
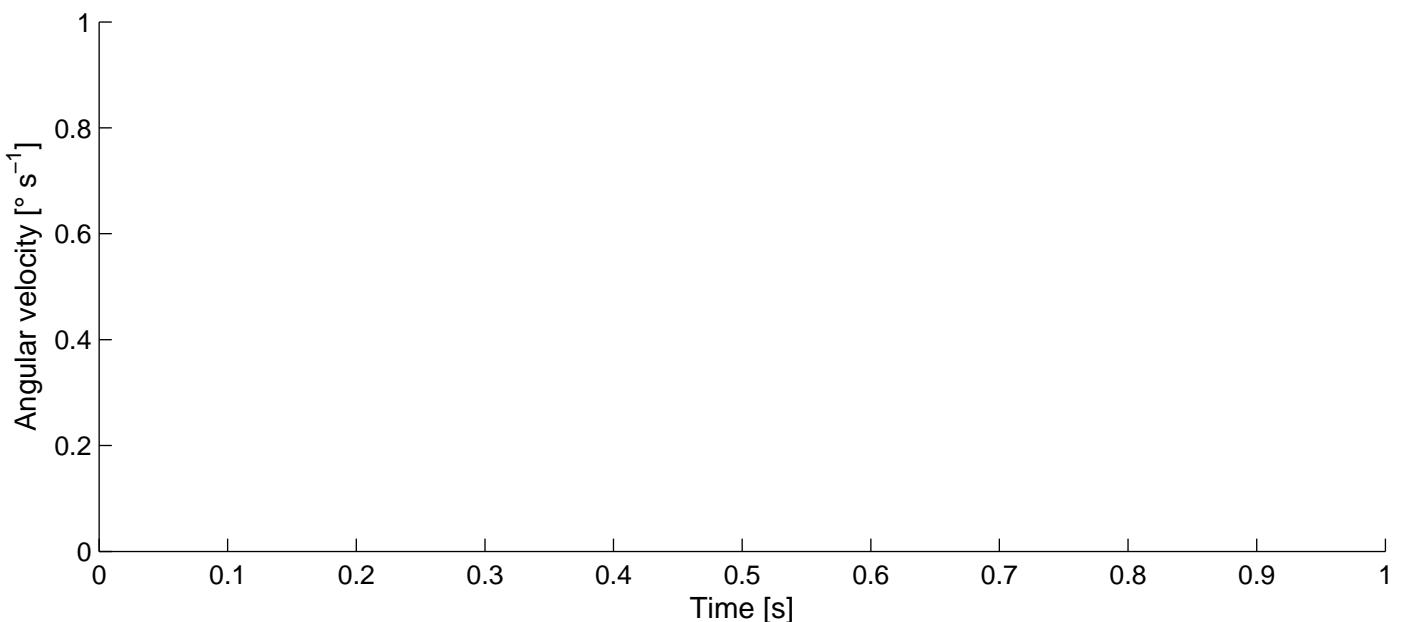
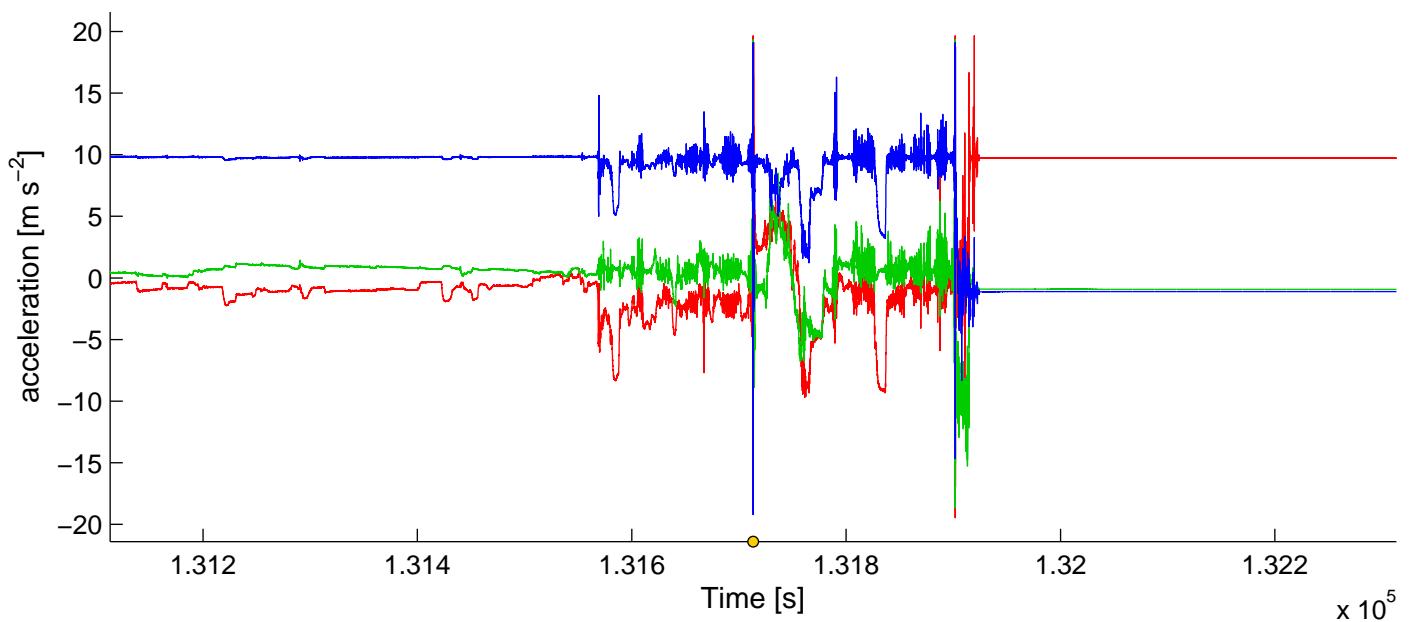
F_91943076-02-2009-02-26-22-15-13.mat

Time window: 60 s



F_91943076-02-2009-02-26-22-15-13.mat

Time window: 1200 s



Fall no.: 96201346-01

Setting: Geriatric rehabilitation

Signal file: F_96201346-01-2011-05-18-18-57-16.mat

Personal characteristics

Gender: Female Age: 71 yrs Height: 163 cm Weight: 75 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 2 Vision: 3

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 18.05.2011 18:50:00 Fall time signal: 18.05.2011 18:57:16

Walking to the bathroom, stopped with freezing and fell from standing position.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Walking

Reported fall direction: Backward on the left

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, bathroom

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

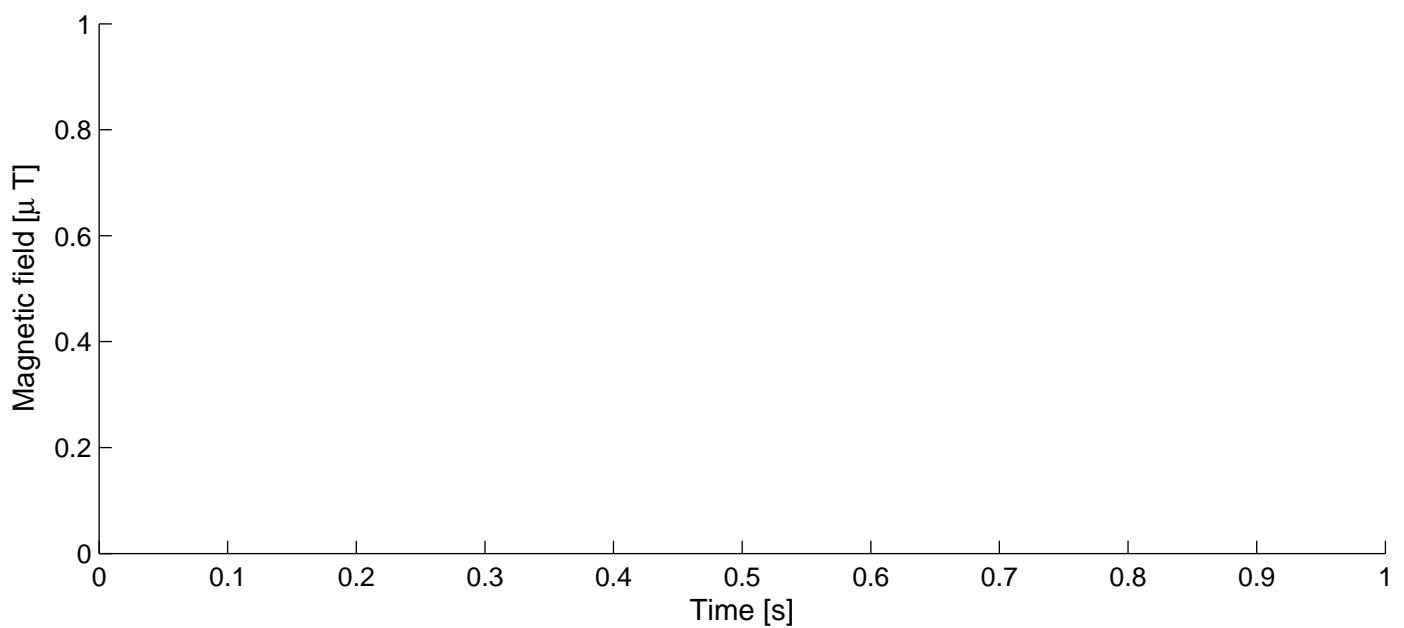
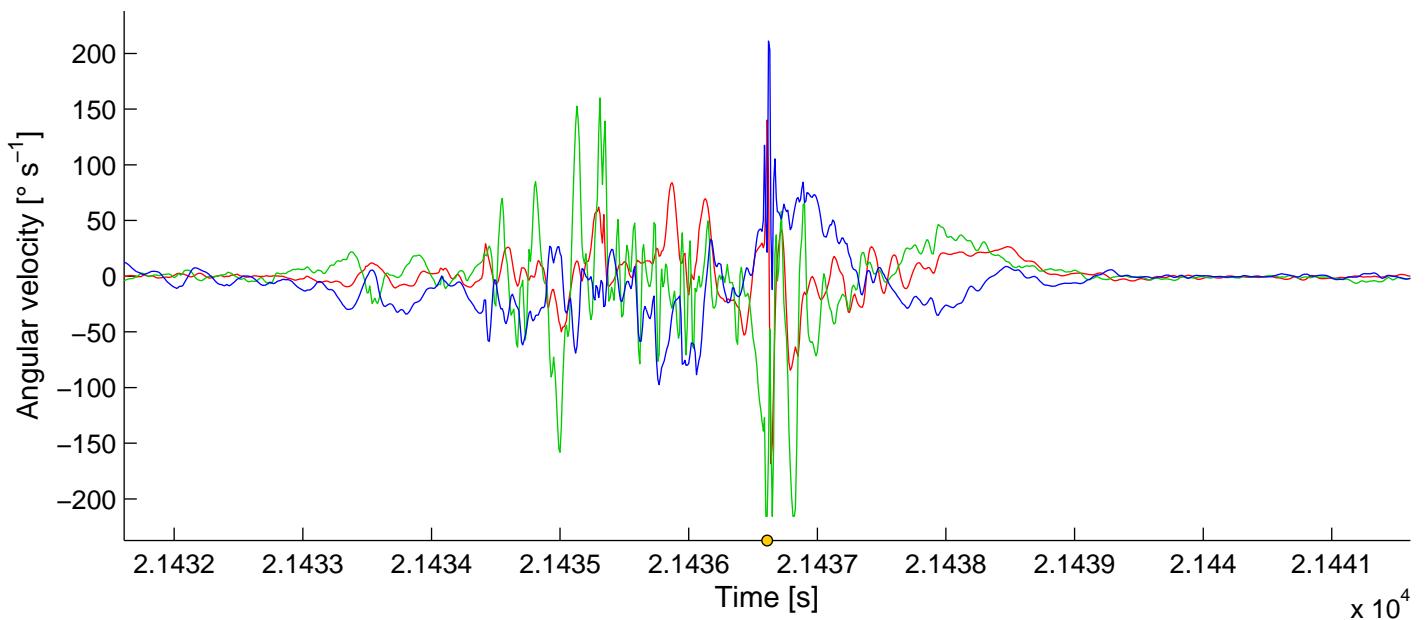
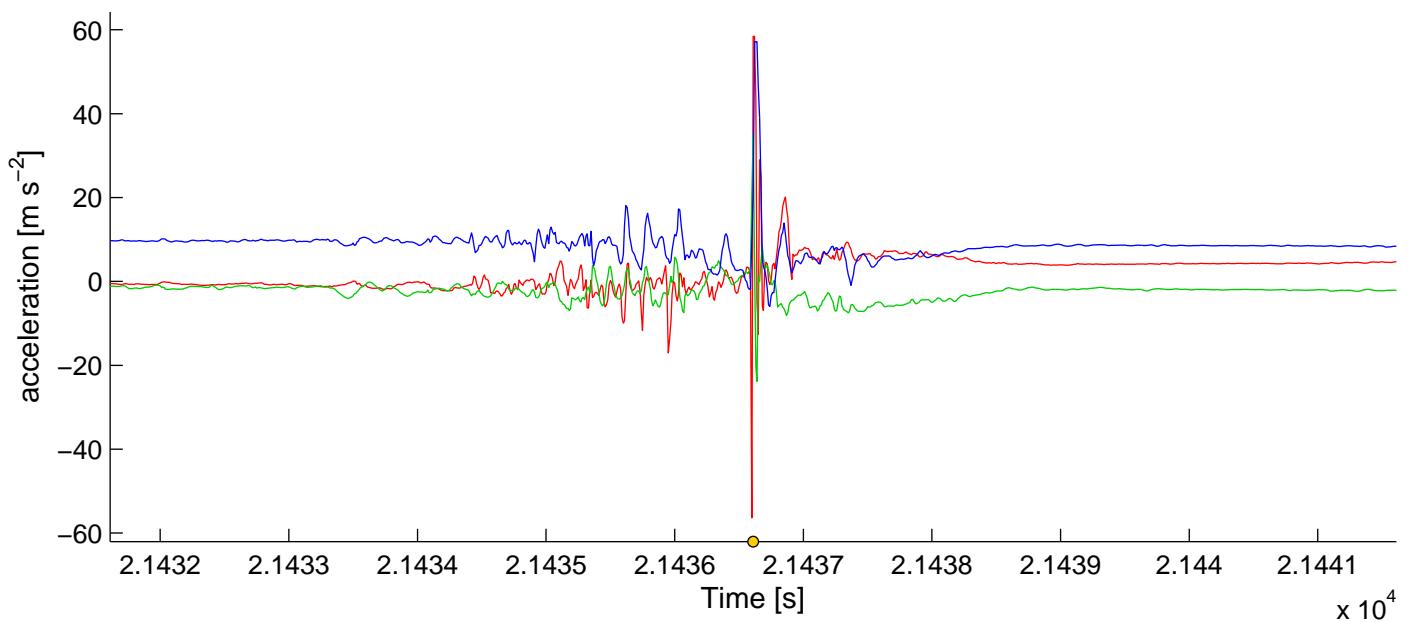
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

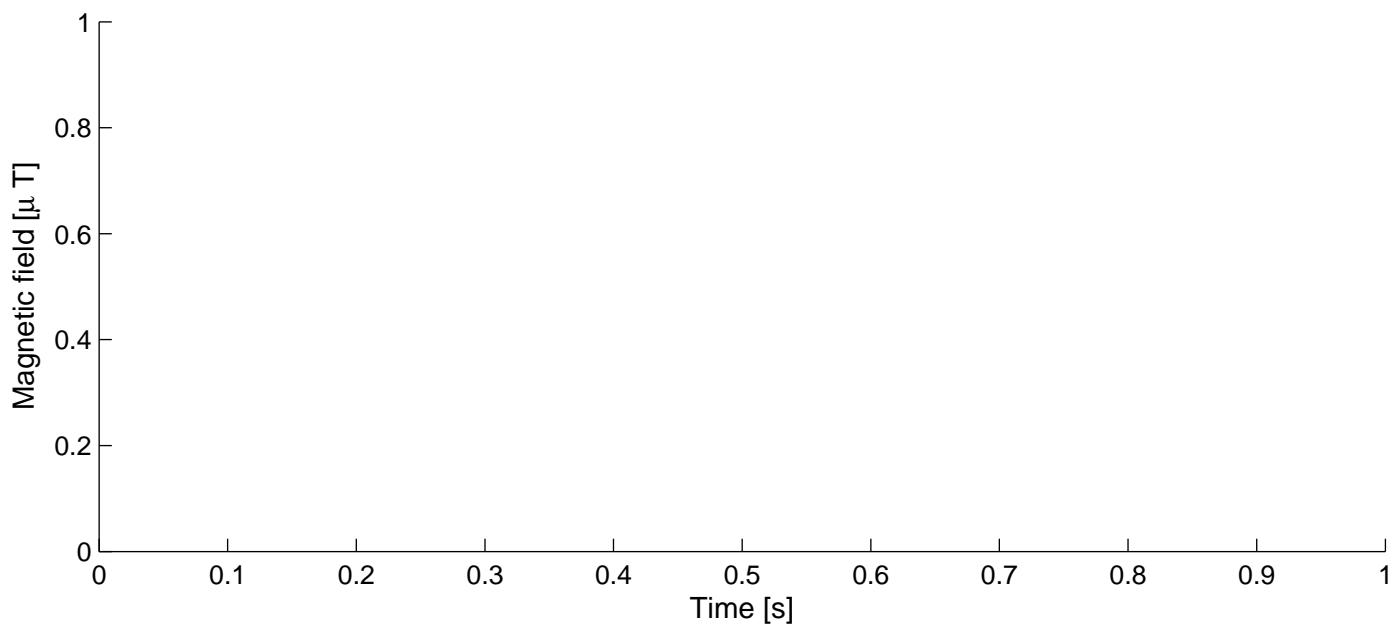
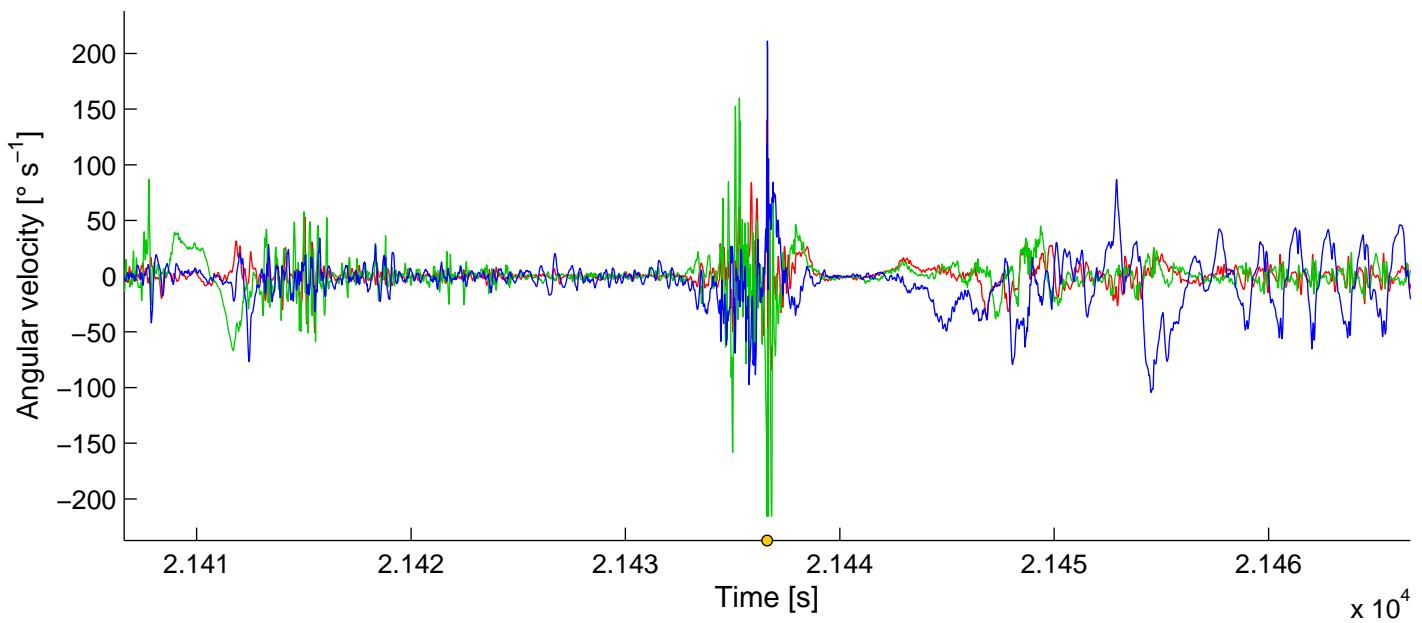
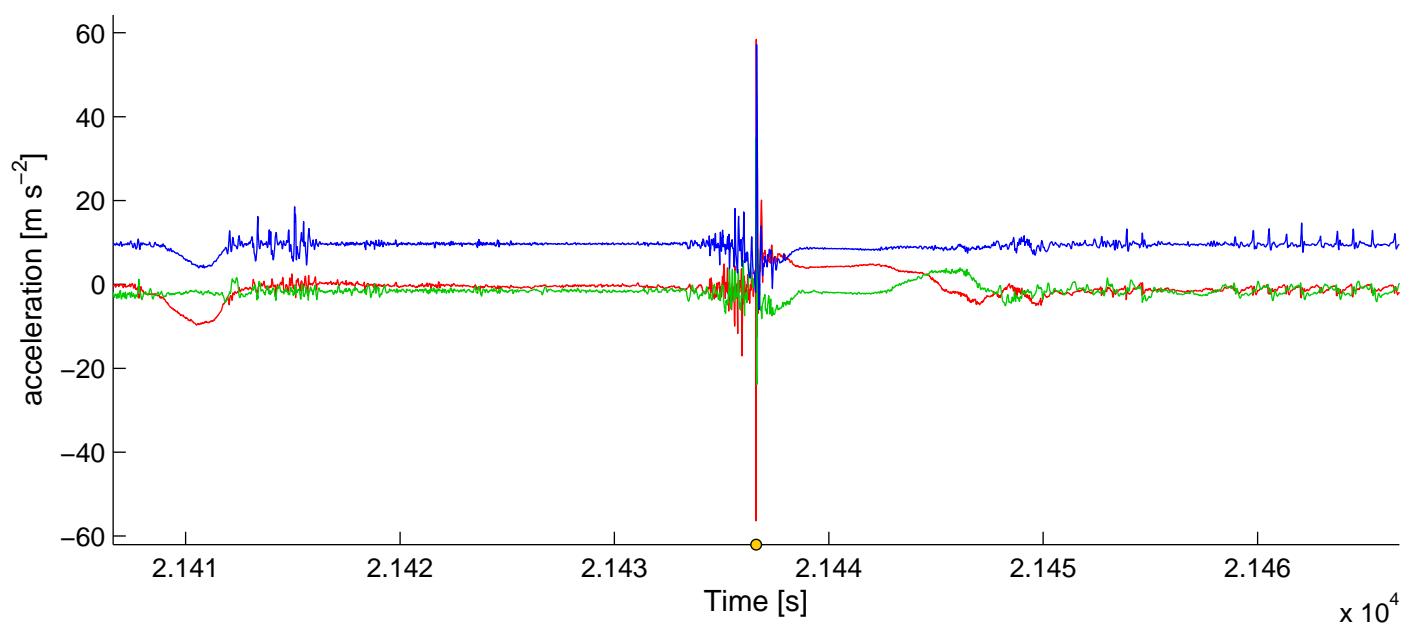
F_96201346-01-2011-05-18-18-57-16.mat

Time window: 10 s



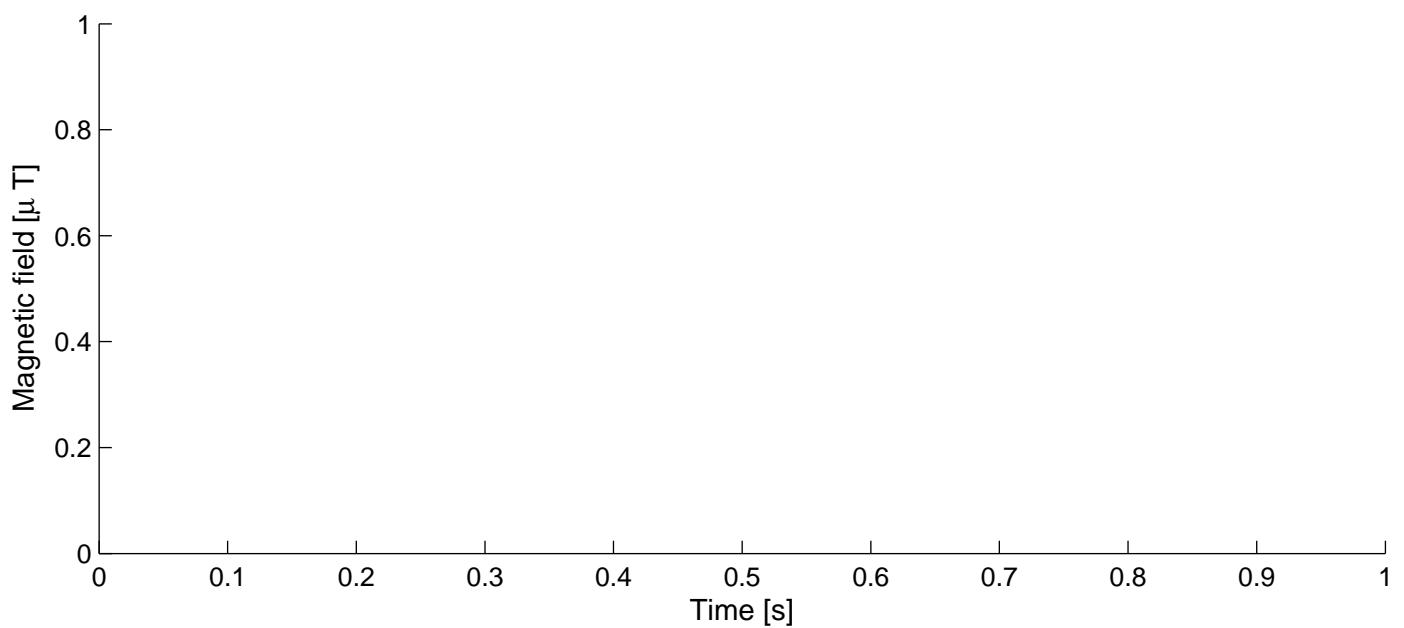
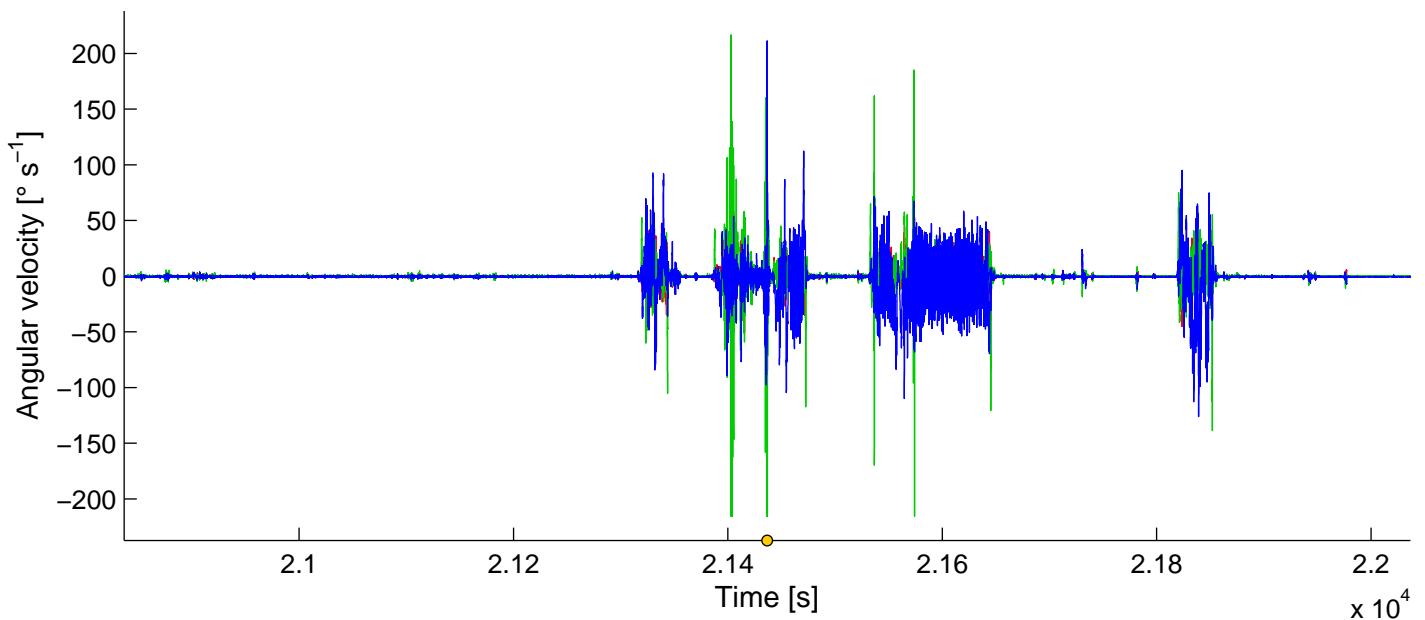
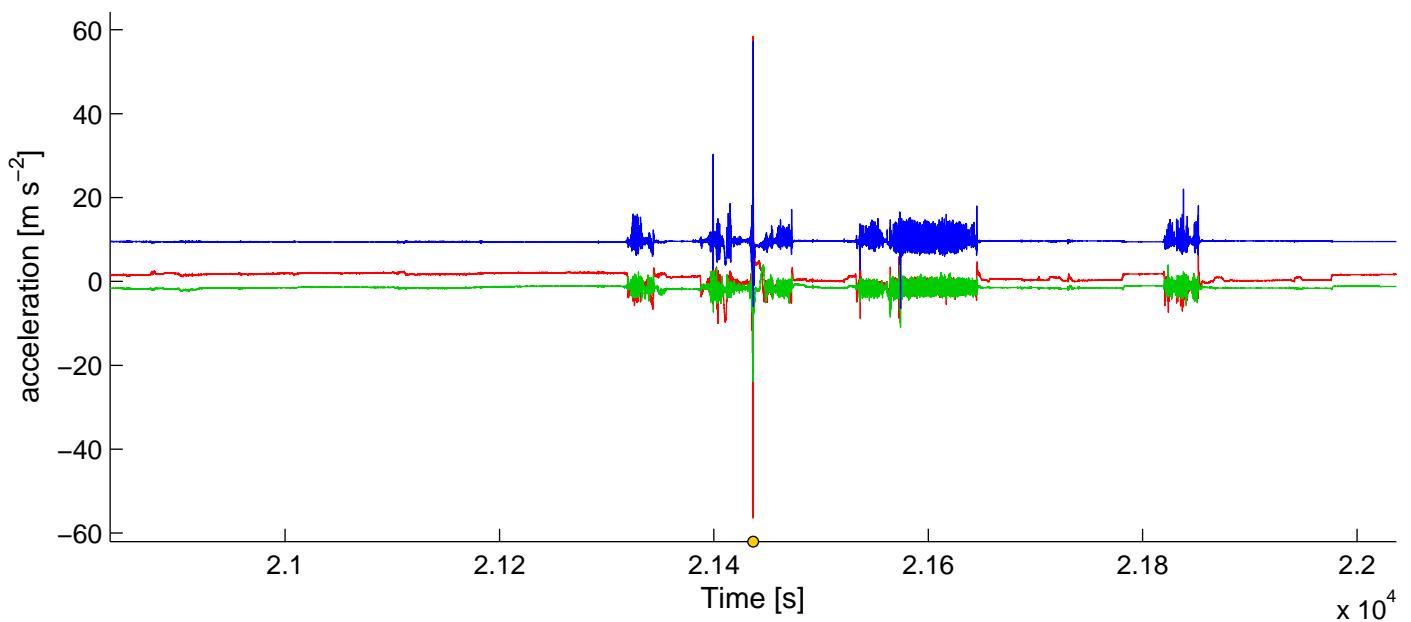
F_96201346-01-2011-05-18-18-57-16.mat

Time window: 60 s



F_96201346-01-2011-05-18-18-57-16.mat

Time window: 1200 s



Fall no.: 96201346-03

Setting: Geriatric rehabilitation

Signal file: F_96201346-03-2011-05-21-06-19-42.mat

Personal characteristics

Gender: Female Age: 71 yrs Height: 163 cm Weight: 75 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 2 Vision: 3

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 21.05.2011 06:15:00 Fall time signal: 21.05.2011 06:19:42

Standing at the wardrobe, wanted to walk backwards and then fell on buttocks.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, patients room

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

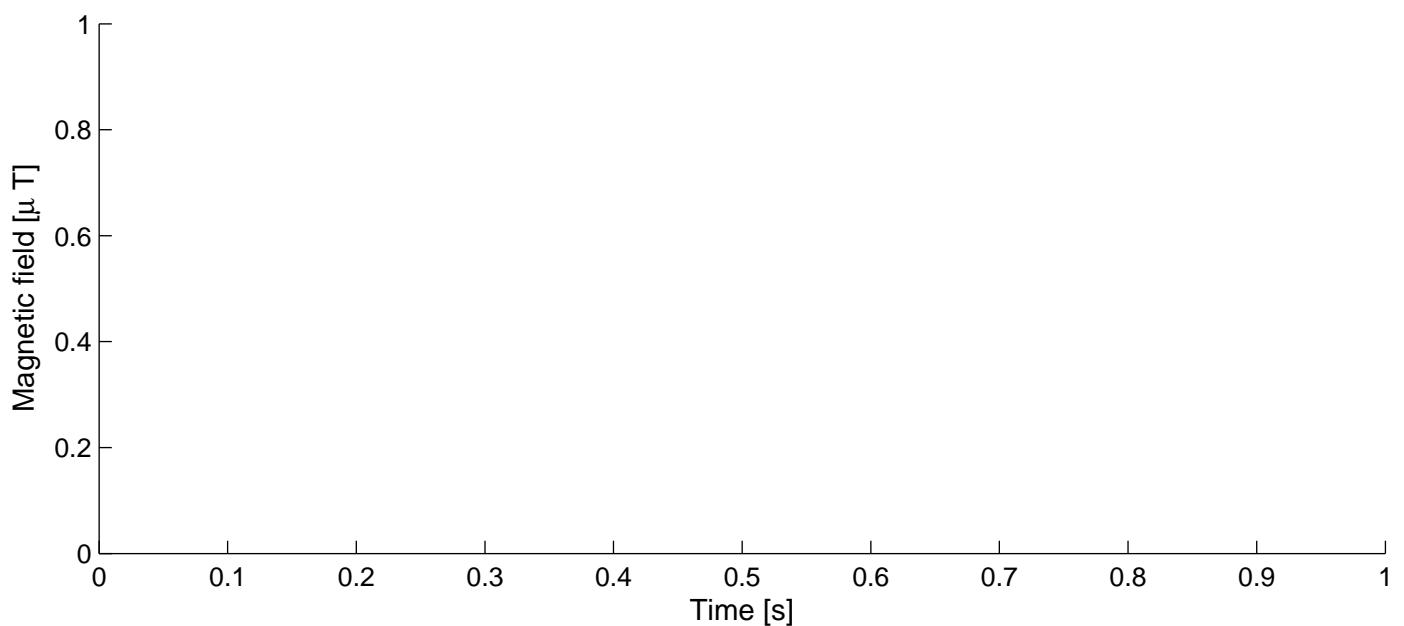
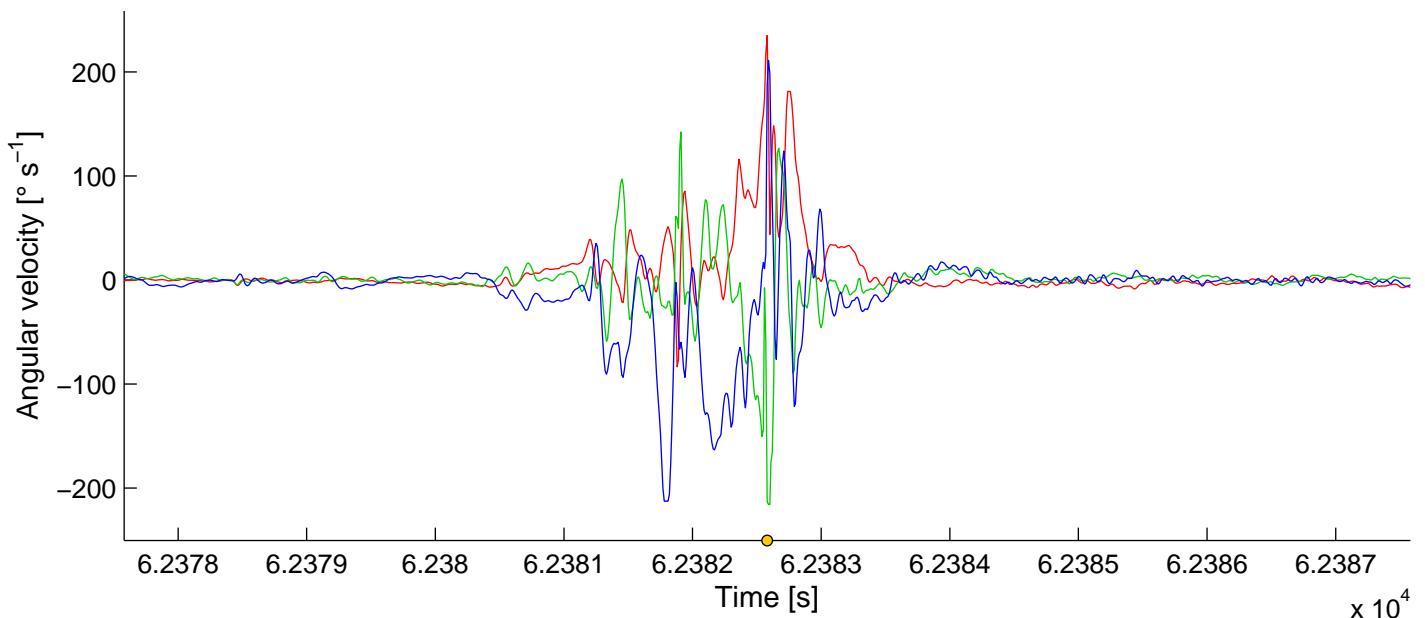
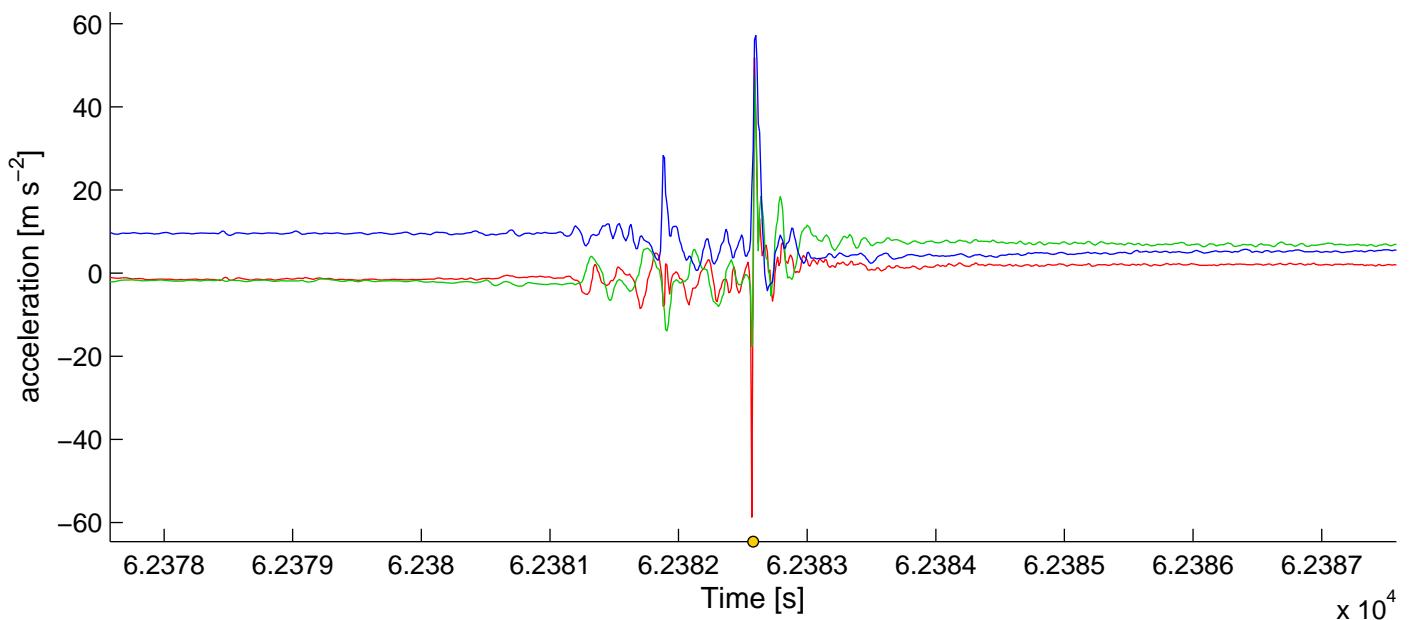
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

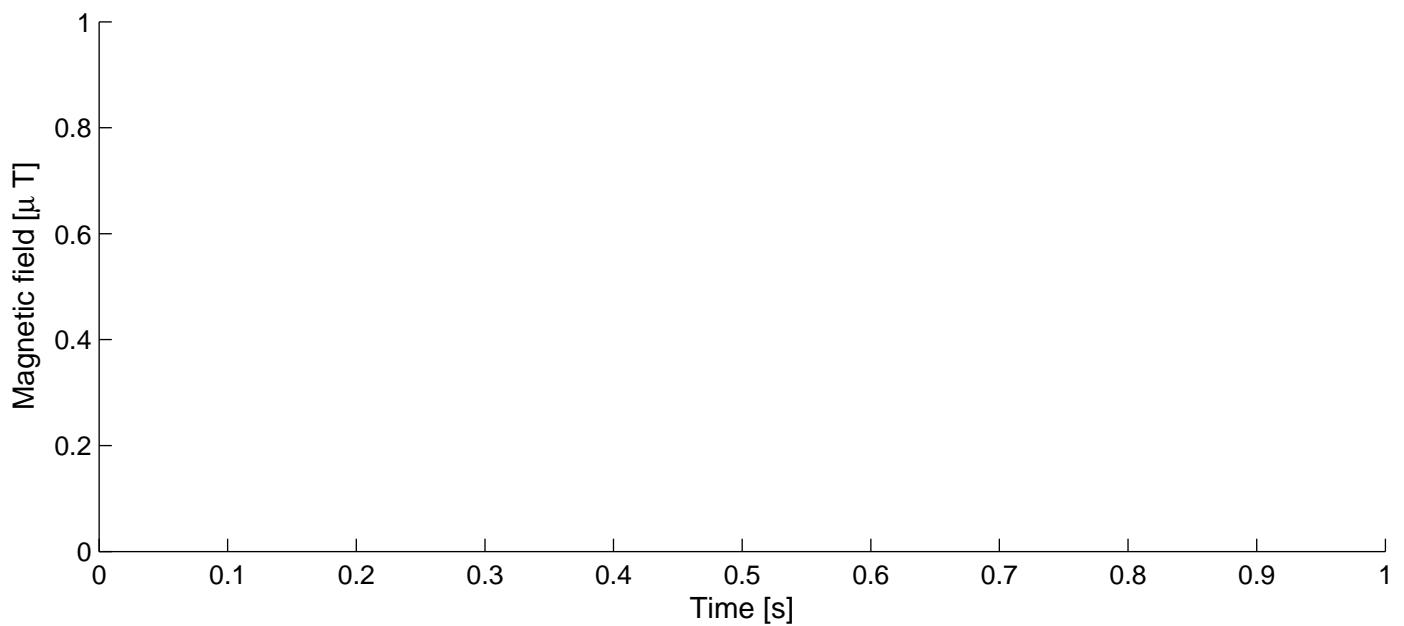
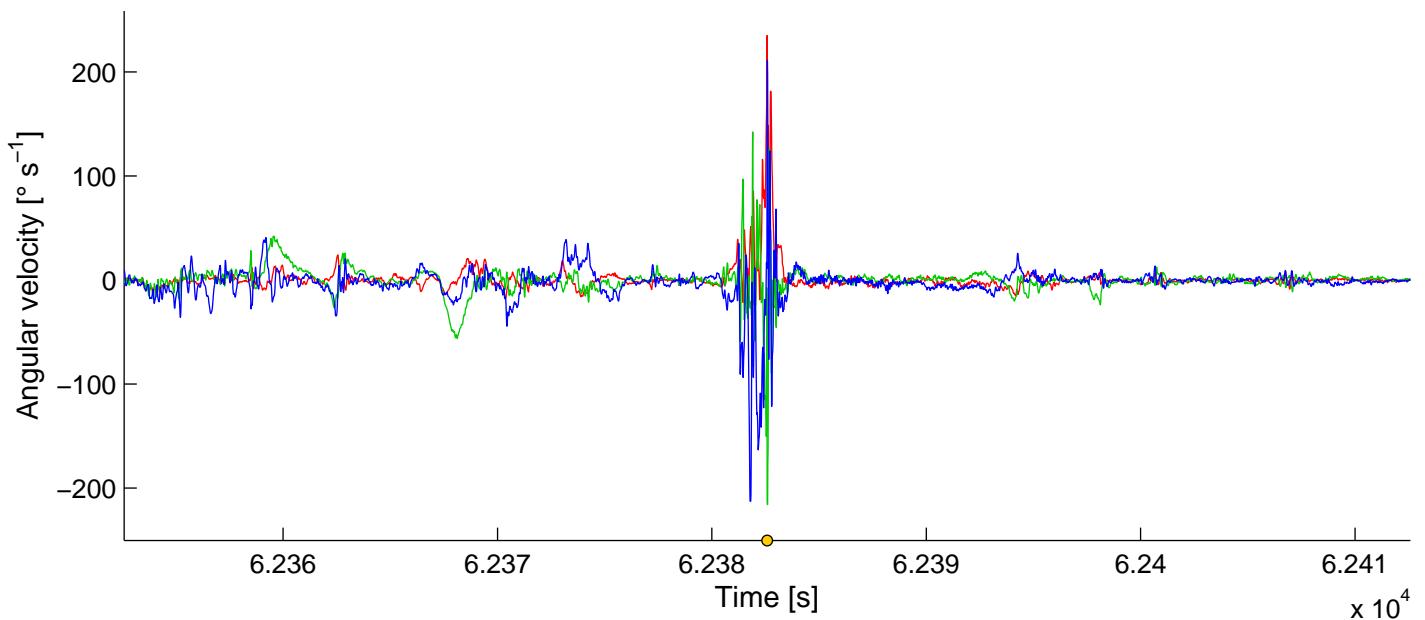
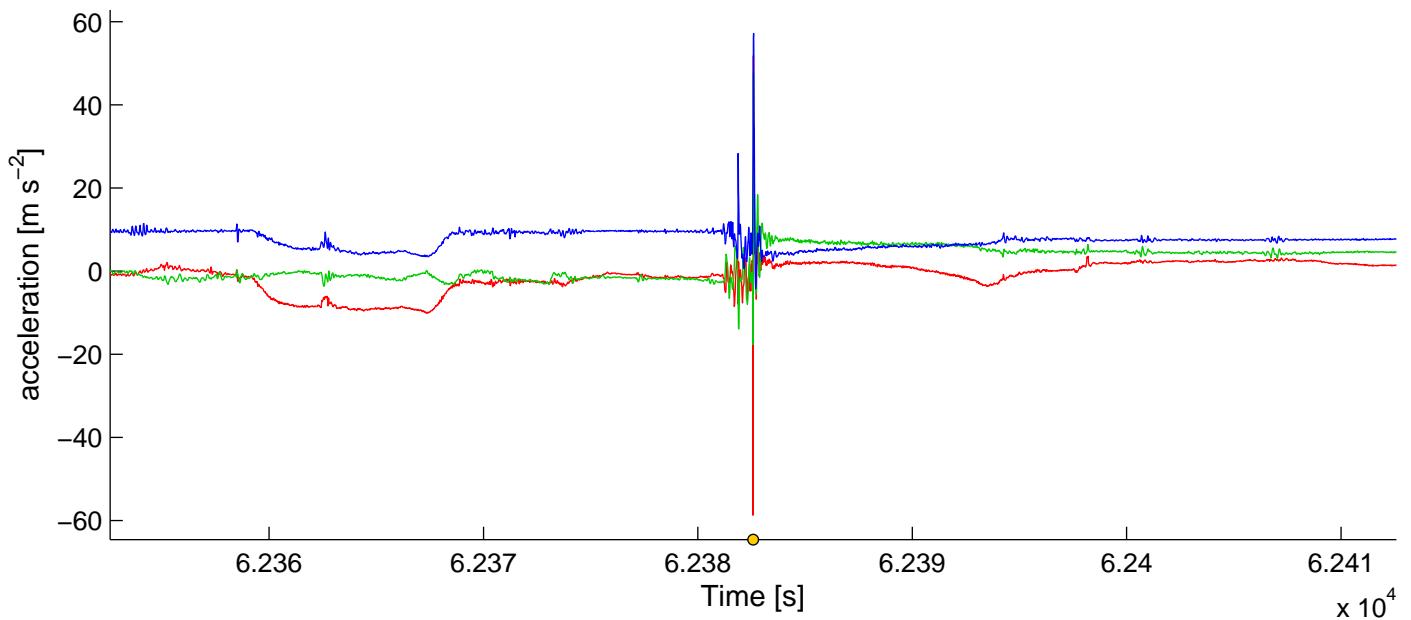
F_96201346-03-2011-05-21-06-19-42.mat

Time window: 10 s



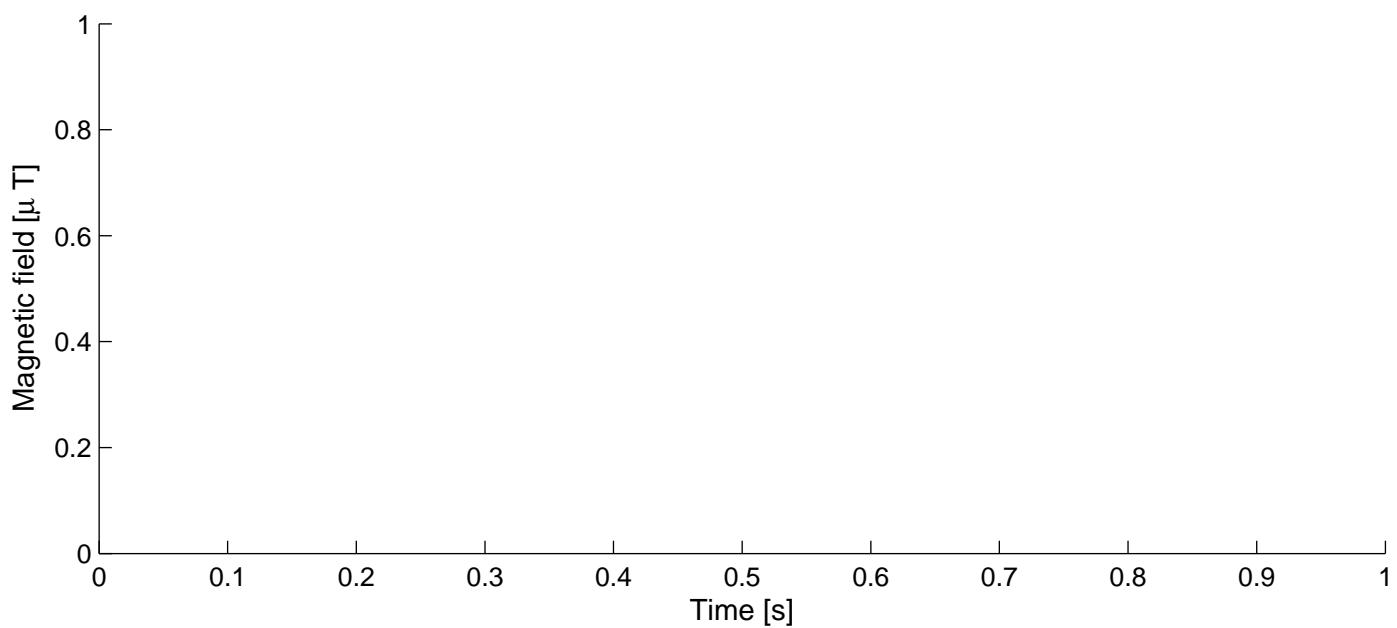
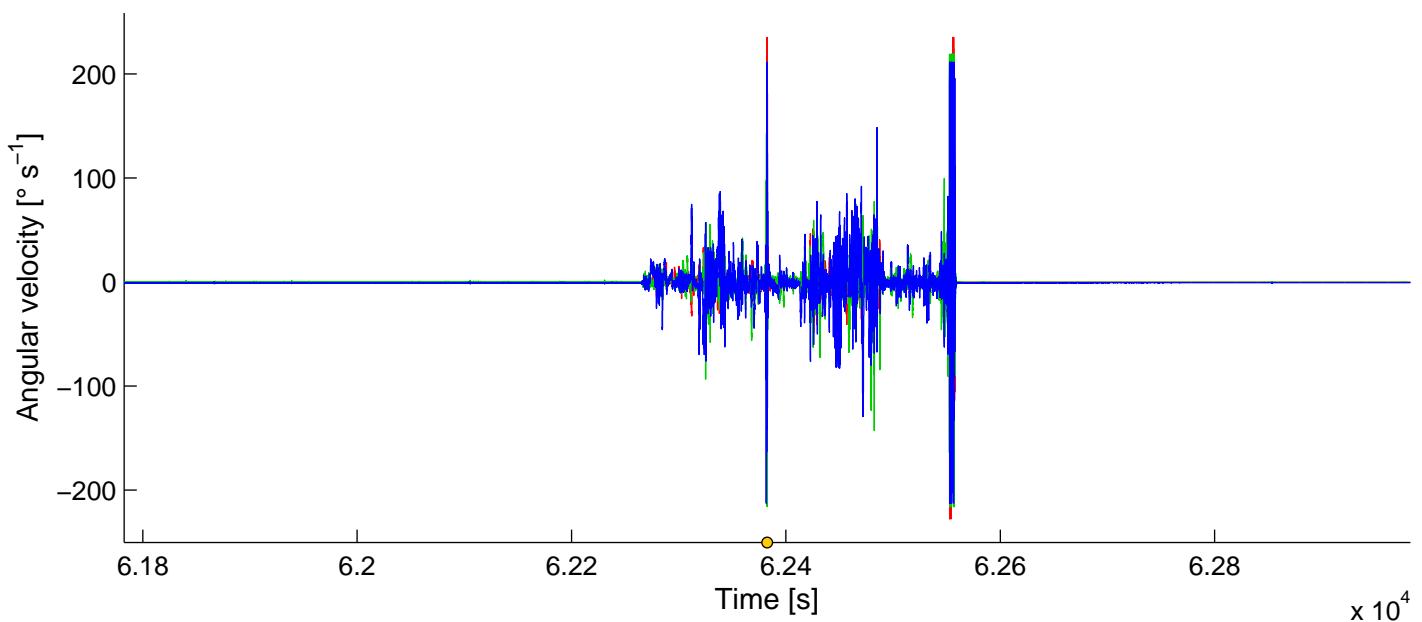
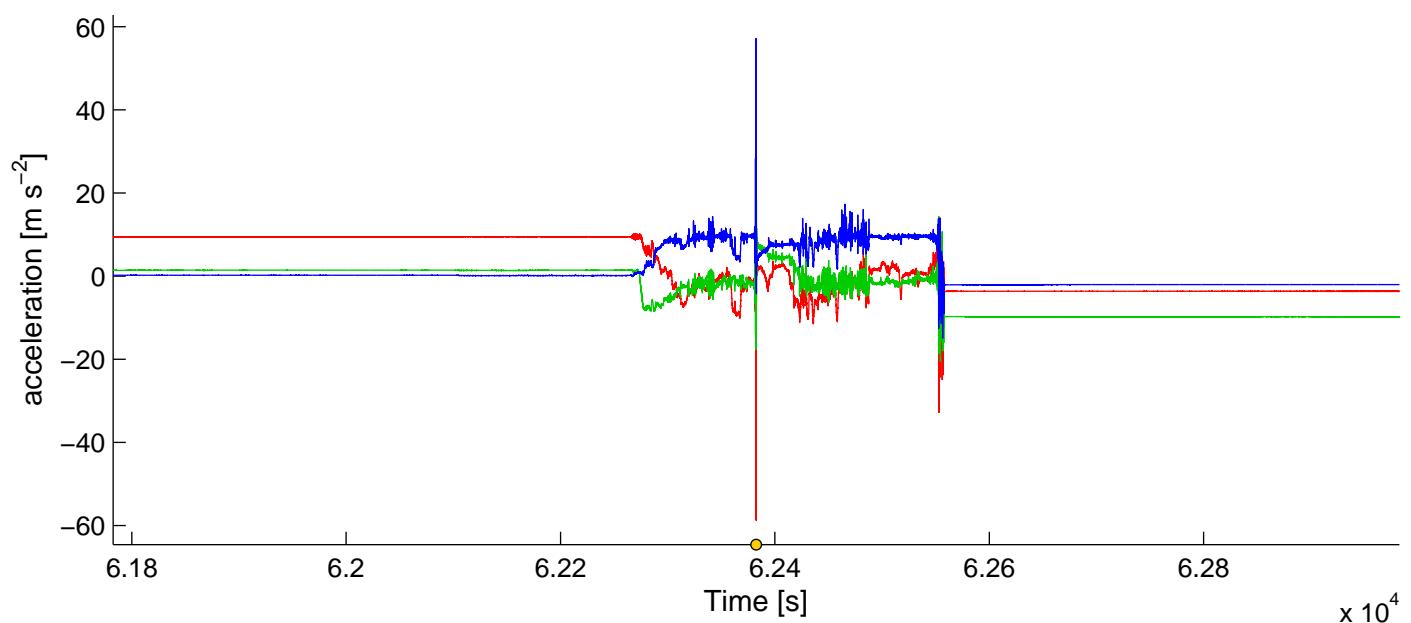
F_96201346-03-2011-05-21-06-19-42.mat

Time window: 60 s



F_96201346-03-2011-05-21-06-19-42.mat

Time window: 1200 s



Fall no.: 96201346-05

Setting: Geriatric rehabilitation

Signal file: F_96201346-05-2011-06-03-22-36-07.mat

Personal characteristics

Gender: Female Age: 71 yrs Height: 163 cm Weight: 75 kg

Extent of Impairments: No=0, mild=1, moderate=2, severe=3, complete=4

Stand capacity: 0 Sit-to-stand transfer: 2

Gait: 1 Cognition: 0

Emotional disturbance: 2 Vision: 3

Sensor characteristics

Device: Hybrid Location: L5

Sensor type(s): acc, gyro Unit(s): g, °/s

Sample rate: 100 Hz

Fall report

Fall time reported: 03.06.2011 22:45:00 Fall time signal: 03.06.2011 22:36:07

Walking backwards from the wash basine, then fell backwards.

Witnessed: No Assistive device: Unknown

Reported pre-fall activity: Standing

Reported fall direction: Backward

Indoor/outdoor: Yes

Place of fall: Rehabilitation clinic, bathroom

Multiple impact: Unknown Fall on: Floor

Got up without help: Unknown

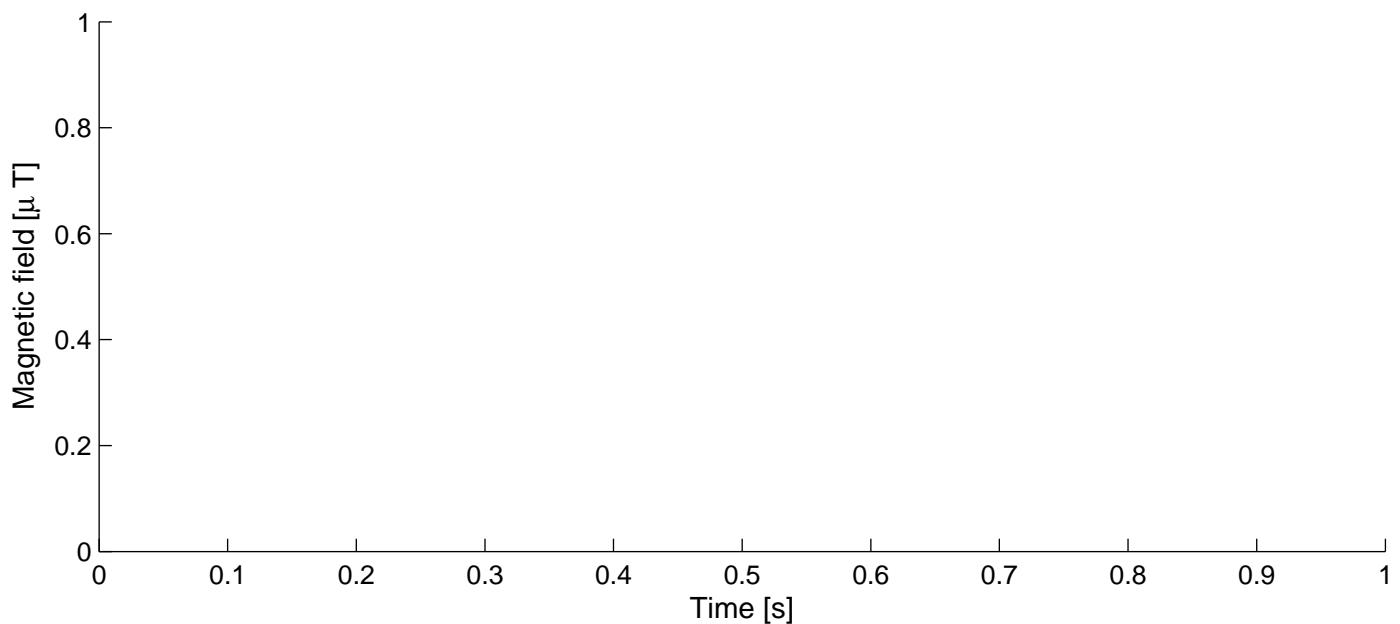
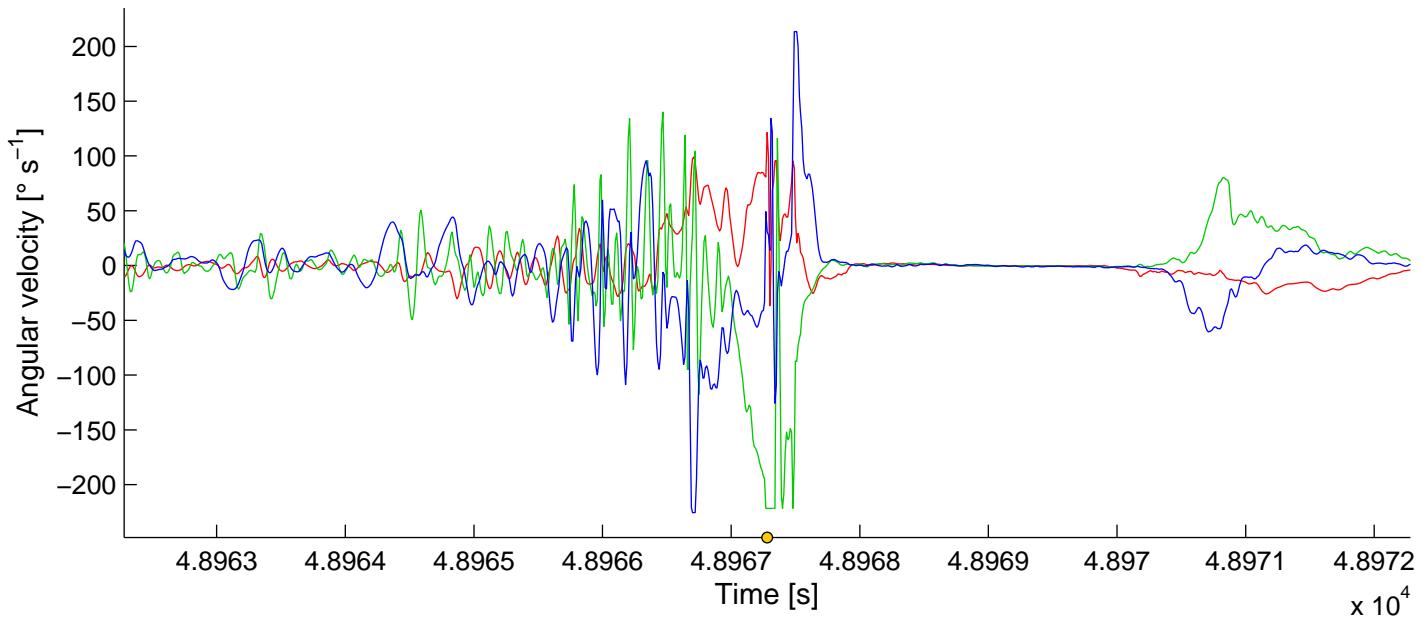
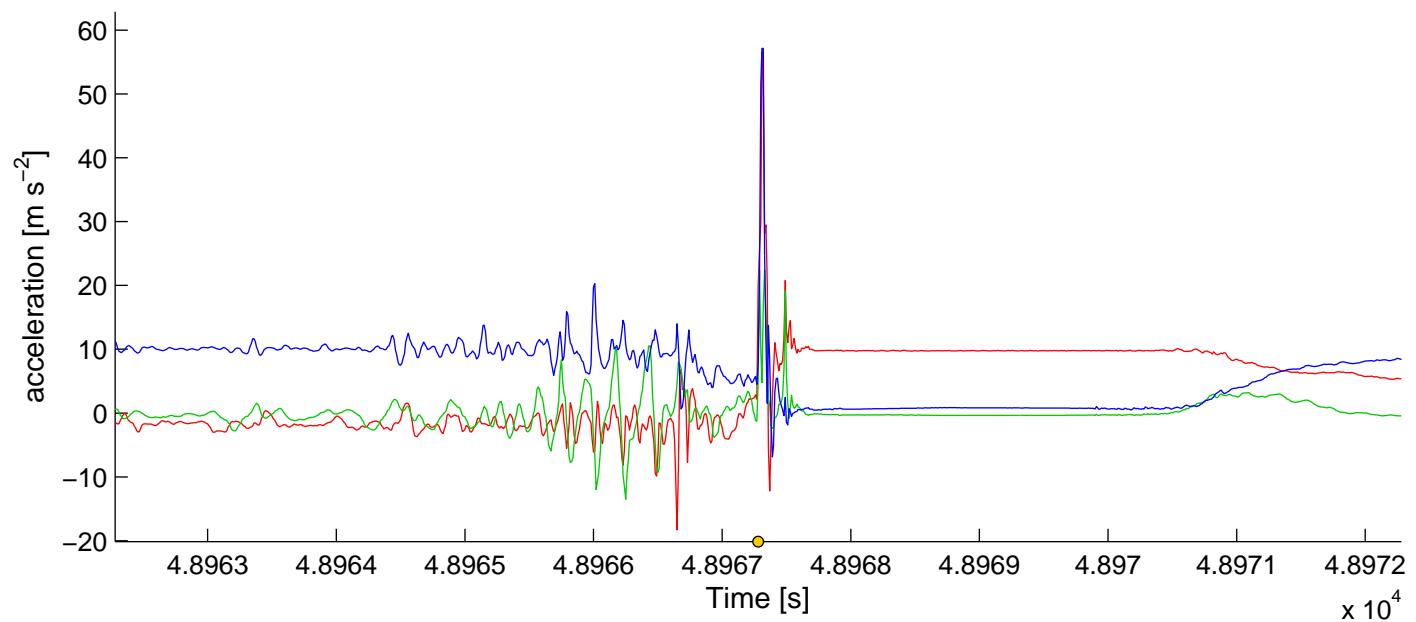
Injury: No Injury classification: C

Injury location: NA Adopted measures: None

Injury description: NA

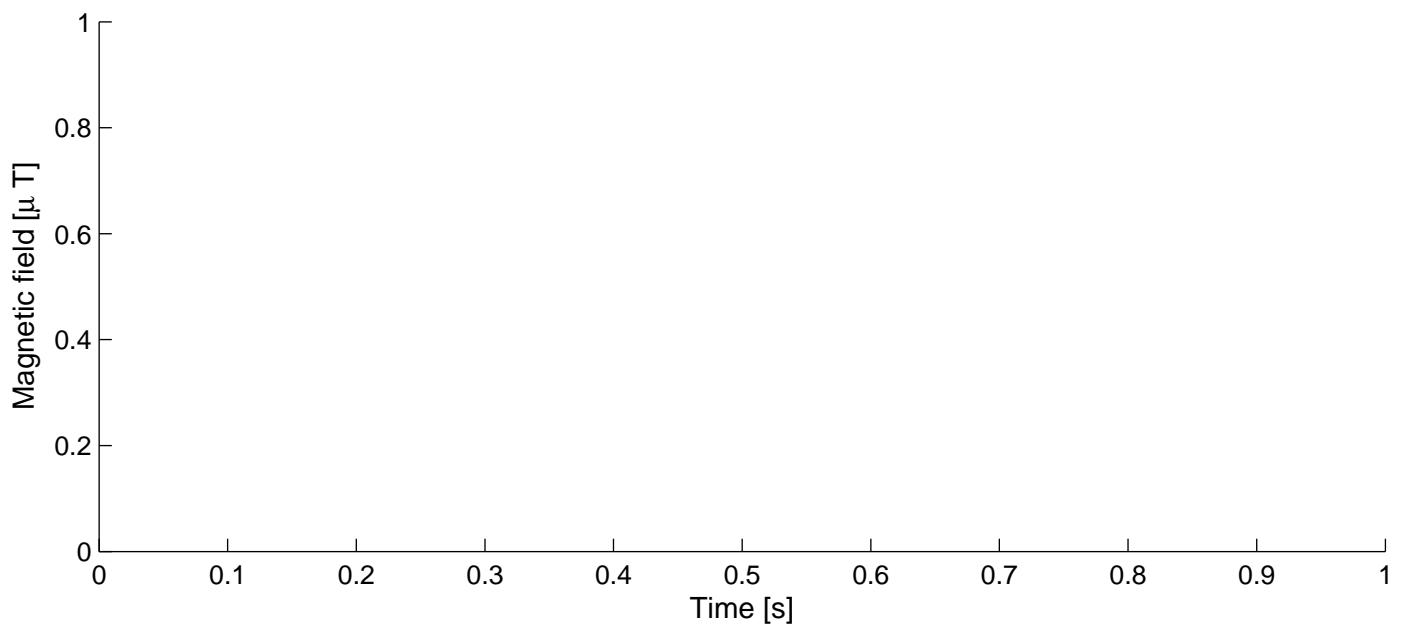
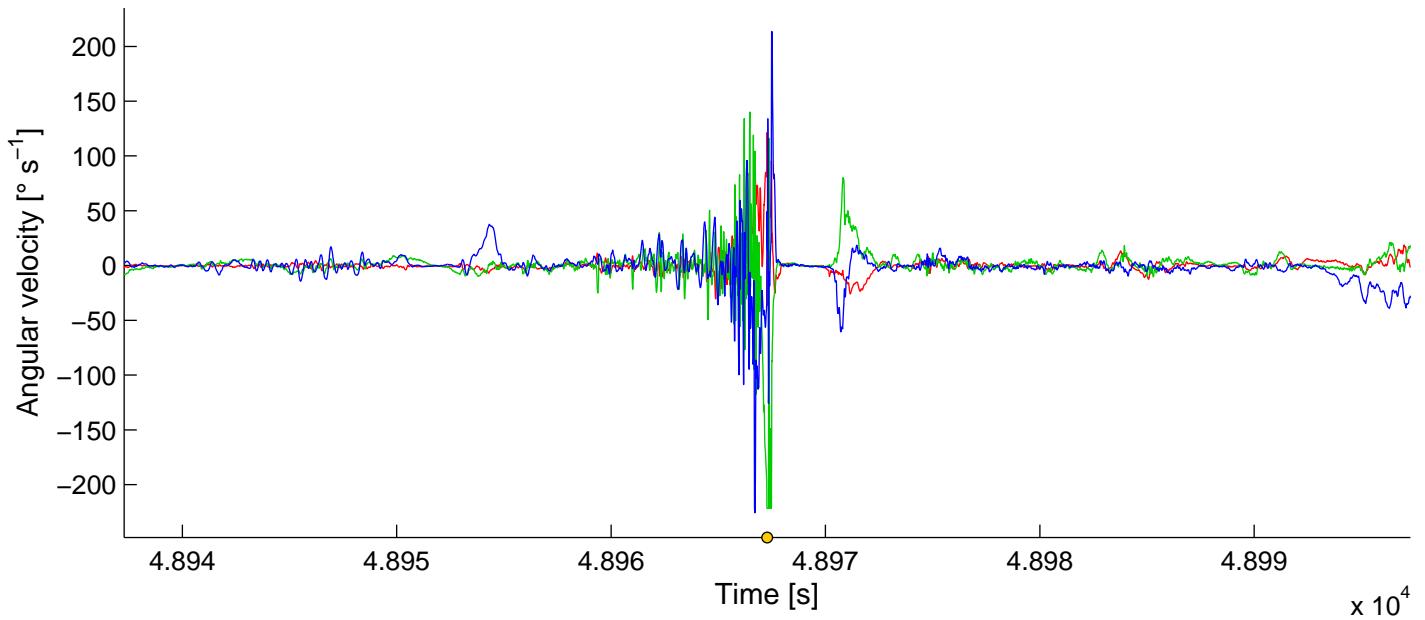
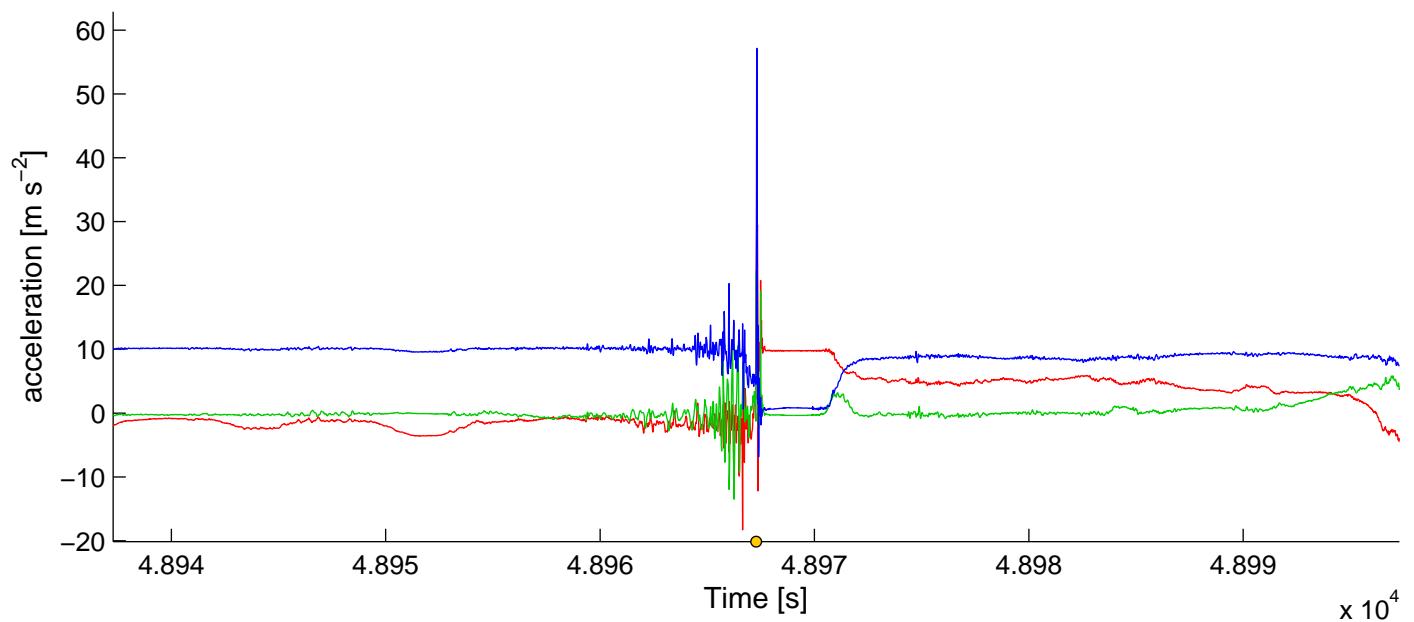
F_96201346-05-2011-06-03-22-36-07.mat

Time window: 10 s



F_96201346-05-2011-06-03-22-36-07.mat

Time window: 60 s



F_96201346-05-2011-06-03-22-36-07.mat

Time window: 1200 s

