



Recording Protocol

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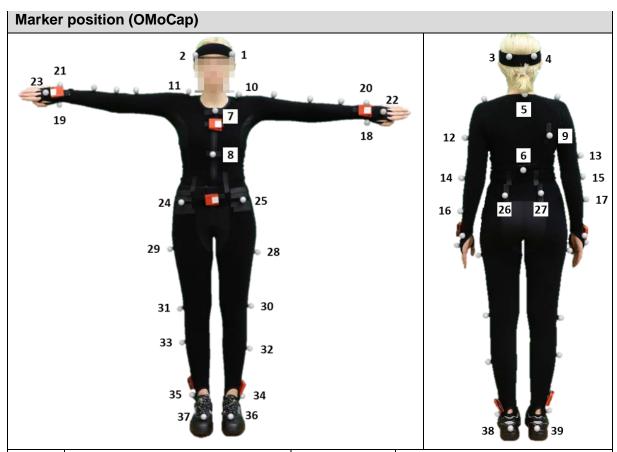




Total view							
Issue	Recordings of human movements in the context of intralogistics with Optical marker-based Motion Capture (OMoCap) and Inertial Measurement Units (IMU)						
Description	- Acknowl	edgments: The w	ork on the red	cordings v	vas supporte	d by Deutso	che
_	Forschu	ngsgemeinschaft	(DFG) in the	context of	the project F	Fi799/10 - 2,	HO2403/14-2
		r Learning for Hur	•	Recognitio	n in Logistics	3"	
		a 220 m², height 6					
	-	o system: Suit 39			-	•	
		1: from the compa	•	struments	Incorporated	l (10 Hz)	
		2: from MbientLab		0 1		1 (400 1	
Diana		3: from the compa	-			•	HZ)
Place		b Hybrid Services	In Logistics	at 10 Doi	ununa Onive	rsity	
Researche							
Last name	First name	Role					
Moya	Fernando	IMU expert					
Niemann	Friedrich	OMoCap expe	rt				
Reining	Christopher	OMoCap expe	rt				
Subject							
Last name	First name	Role	Sex	Age	Weight	Height	Left-/ Right-
			[F/M]	[a]	[kg]	[cm]	handed [L/R]
	-	Subject 01	M	28	78	175	L
-	_	Subject 02	F	24	62	163	L
-	-	Subject 03	M	59	71	171	R
-	-	Subject 04	F	53	64	165	L
-	-	Subject 05	М	28	79	185	R
-	-	Subject 06	F	22	52	163	R
-	-	Subject 07	М	23	65	177	R
-	-	Subject 08	F	51	68	168	R
-	-	Subject 09	М	35	100	172	R
-	-	Subject 10	М	49	97	181	R
-	-	Subject 11	F	47	66	175	R
-	-	Subject 12	F	23	48	163	R
-	-	Subject 13	F	25	54	163	R
-	-	Subject 14	М	54	90	177	R







No.	Marker	Abbreviation	Left [L] / Right [R]					
Н	Head markers							
1	Front head	LFHD	L					
2		RFHD	R					
3	Back head	LBHD	L					
4		RBHD	R					
To	orso markers	1						
5	7th Cervical Vertebrae	C7						
6	10th Thoracic Vertebrae	T10						
7	Clavicle	CLAV						
8	Sternum	STRN						
9	Back (Scapula)	RBAK	R					
Aı	m markers							
10	Shoulder	LSHO	L					
11		RSHO	R					
12	Upper arm	LUPA	L					
13		RUPA	R					
14	Elbow	LELB	L					
15		RELB	R					
16	Forearm	LFRA	L					





47	T	DEDA	D				
17		RFRA	R				
18	Wrist A	LWRA	L				
19		RWRA	R				
20	Wrist B	LWRB	L				
21		RWRB	R				
22	Finger	LFIN	L				
23		RFIN	R				
Pe	lvis markers						
24	Anterior superior iliac spine (ASIS)	LASI	L				
25		RASI	R				
26	Posterior superior iliac spine (PSIS)	LPSI	L				
27		RPSI	R				
Le	g markers						
28	Thigh	LTHI	L				
29		RTHI	R				
30	Knee	LKNE	L				
31		RKNE	R				
32	Tibial wand	LTIB	L				
33		RTIB	R				
34	Ankel	LANK	L				
35		RANK	R				
Fo	Foot markers						
36	Toe	LTOE	L				
37		RTOE	R				
38	Heel	LHEE	L				
39		RHEE	R				
		t .	I .				





Date 01.11.2018

Time 10:00 – 16:30

Sub	ject 1							
		the session						
Time	rview of the session 2 10:00 – 14:20							
Roor		10:00 – 14:20 At 10:00 – 21.5°C						
	temperature At 14:20 – 22.9°C Size of the Suit / Shoes							
Тор								
Trou		S						
Shoe		43 (EU/DE)						
Pict		marker positi	on and IMU position					
	Front		Back	Side left	Side right			
<u>before</u> the session								
<u>after</u> the session								





Use of ve	Use of velcro						
	Knee		Elbow	Waistband front	Waistband back		
Velcro	ges		yes	yes (8 pieces)			
used?	$oxed{\boxtimes}$ no		⊠ no	☐ no	☐ no		
More	☐ yes						
velcro?	$oxed{\boxtimes}$ no						
Recordin	ıgs						
Scenario		1					
IMU set		1					
Number		30					
Length		•	er recording				
Video		⊠ yes			,		
		ID		Recording Number	Length		
			_Subject1_Rec7-11	7 - 11	10 min 33 sec		
			_Subject1_Rec12-16	12 - 16	12 min 31 sec		
			_Subject1_Rec16	16	1 min 56 sec		
		Video_Subject1_Rec22 22 2 min 14 sec					
D'atama		□ no					
Pictures a	ivaliable	⊠ yes					
		- 5 pictures: before recording					
		- 221 pictures: during recording- 5 pictures: after recording					
		- 5 pictures, after recording					
		□ no					
Incident		⊠ yes					
		- Marker lost: left heel (LHEE) → recording deleted and new recording					
		- Marker lost: right finger (RFIN) → recording deleted and new recording					
			- Error IMU				
□ no							
Remarks		- Fir	st Subject & first recordi	ng			
			•	before the actual recor	dings started		
		- Te	sting and designation of				
			eak after 16 recordings	-			





Sub	ject 2							
Ove	rview of t	the session						
Time		14:40 – 16:00						
Roo	m	14:40 – 16:00 At 14:40 – 22.9°C						
temp	perature	At 14:40 – 22.9°C At 16:00 – 22.5°C						
	temperature At 16:00 – 22.5°C Size of the Suit / Shoes							
Тор		XS						
Trou	isers	XS XS						
Sho	hoes 40 (EU/DE)							
Pict	ures of m	arker position	and IMU position					
	Front		Back	Side left	Side right			
<u>before</u> the session								
<u>after</u> the session								





Use of velcro							
	Knee		Elbow	Waistband front	Waistband back		
Velcro	ges		yes	yes (11 pieces)	yes (1 pieces)		
used?	⊠ no		⊠ no	□ no	□ no		
More	☐ yes						
velcro?	⊠ no						
Recordin	ngs						
Scenario		1					
IMU set		1					
Number		30					
Length		120 sec.	per recording				
Video		⊠ yes					
		ID		Recording Number	Length		
		Video_Subject2_Rec17		17	2 min 15 sec		
		Video_Subject2_Rec18-21		18 - 21	7 min 58 sec		
		no no					
Pictures a	available	⊠ yes					
		- 10 pictures: before recording					
		- 64 pictures: during recording					
		- 10 pictures: after recording					
lu al dant		∐ no					
Incident		⊠ yes					
		- N	harker lost: right finger	(RFIN) → during a brea	ак		
		☐ no					
Remarks			Prook ofter 4E recording	20			
Remarks		- E	Break after 15 recording	jo			





Date 02.11.2018

Time 09:30 – 15:00

Subject 3							
Overview of the session							
Time	10:00 – 12:15						
Rooi							
temp	erature	At 12:15 – 22	.1°C				
Size	of the S	uit / Shoes					
Тор		М					
Trou		S					
Shoe		43 (EU/DE)					
Pict		narker position	on and IMU position				
	Front		Back	Side left	Side right		
<u>before</u> the session							
<u>after</u> the session							





Use of velcro							
	Knee		Elbow	Waistband front	Waistband back		
Velcro		pieces)		yes (10 pieces)	yes (3 pieces)		
used?	☐ no		□ no	no	☐ no		
More	☐ yes		•				
velcro?	⊠ no						
Recordin	ngs						
Scenario		1					
IMU set		1					
Number		30					
Length		_	er recording				
Video		⊠ yes					
		ID		Recording Number	Length		
		Video_Subject3_Rec13		13	2 min 9 sec		
		Video_Subject3_Rec16-21		16 - 21	12 min 31 sec		
		Vide	o_Subject3_Rec21-27	21 - 27	12 min 29 sec		
		Vide	o_Subject3_Rec27-30	27 - 30	7 min 12 sec		
		☐ no					
Pictures a	vailable	⊠ yes					
		- 10 pictures: before recording					
		- 84 pictures: during recording					
		- 10 pictures: after recording					
		☐ no☐ yes					
Incident	Incident						
		M					
⊠ no							
Remarks			reak after 15 recordings		. 61		
		- In	jured at the right hand	→ Frequent use of the	left hand		
ĺ		1					





Sub	iect 4								
Subject 4 Overview of the session									
Time	;	12:45 – 14:45	j						
Roor	m	At 12:45 – 22.8°C							
temperature At 15:00 – 22.8°C Size of the Suit / Shoes									
Тор	op S								
Trou	sers	ers XS							
Shoes 40 (EU/DE)									
Pict	ures of ı	narker positi	on and IMU position						
	Front		Back	Side left	Side right				
<u>before</u> the session									
<u>after</u> the session									





Use of vo	Use of velcro						
	Knee		Elbow	Waistband front	Waistband back		
Velcro	☐ yes		ges	yes (12 pieces)	yes (2 pieces)		
used?	⊠ no		⊠ no	☐ no	☐ no		
More	☐ yes		l	1			
velcro?	⊠ no						
Recordin	ngs						
Scenario		1					
IMU set		1					
Number		30					
Length		120 sec. pe	er recording				
Video		⊠ yes					
		ID		Recording Number	Length		
		Video	_Subject4_Rec9	9	2 min 7 sec		
		Video_Subject4_Rec10-15		10 - 15	12 min 31 sec		
		Video_Subject4_Rec15-21		15 - 21	12 min 29 sec		
		Video	_Subject4_Rec21-27	21 - 27	12 min 28 sec		
		Video	_Subject4_Rec27-29	27 - 29	6 min 2 sec		
		∐ no					
Pictures a	available	⊠ yes					
		- 10 pictures: before recording					
		- 37 pictures: during recording					
		- 10 pictures: after recording					
		□ no					
Incident		□ no					
Indiacin			arker lost: right elbow	/ (RFLB) → recordin	a deleted and new		
			cording	(11225) 7 100014	g doloted and new		
			arker lost: right finger (R	FIN) → recording delet	ed and new recording		
			antor root. Fight imigor (it	. II ty 7 Tooolaing dolor	ou and non root amg		
		☐ no					
Remarks		- No	break				





Date 03.11.2018

Time 11:45 – 15:30

Subject 5										
Overview of the session										
Time	!	11:45 – 13:30								
Roor	n At 11:45 – 22 °C									
temp	erature	At 13:30 – 22	9 °C							
Size	of the S	Suit / Shoes								
Тор		S								
Trou		S								
Shoe		44 (EU/DE)								
Pictu		marker positi	on and IMU position							
	Front		Back	Side left	Side right					
<u>before</u> the session										
<u>after</u> the session										





Use of ve	Use of velcro									
	Knee		Elbow	Waistbar	nd front	Waistband back				
Velcro	⊠ yes (2	2 pieces)	☐ yes	⊠ yes (1	0 pieces)	yes (2 pieces)				
used?	☐ no		⊠ no	☐ no		□ no				
More	☐ yes		1							
velcro?	⊠ no									
Recordin	ngs									
Scenario		1								
IMU set		1								
Number		30								
Length		120 sec p	er recording							
Video		⊠ yes								
		ID		Recording Nu	mber	Length				
		Vide	o_Subject5_Rec11	11	2	2 min 7 sec				
		☐ no								
Pictures a	vailable	⊠ yes		_						
		- 20 pictures: before recording								
		- 17 pictures: during recording								
		- 1	11 pictures: after recording							
		□no								
Incident		⊠ yes								
molaciii		 yes Marker lost: right elbow (RELB) → recording deleted and new 								
		recording								
		- Marker lost: right toe (RTOE) → newly sticked → recording deleted and								
			new recording							
		- M	larker lost: left toe (L	TOE) → newly	sticked →	recording deleted and				
			new recording							
		☐ no	oo							
Remarks		- N	o break							
			uring records: drinki	ng and talking to	o the partie	es concerned				
		(p	persons involved)							





Sub	ject 6									
Overview of the session										
Time)	13:45 – 15:30								
Rooi	m	At 13:45 – 22	9 °C							
temp	perature	re At 15:30 – 23.1 °C								
	Size of the Suit / Shoes									
Тор	Top XS									
	isers	XS								
Shoes 36 (EU/DE)										
Pict	ures of n	narker positi	on and IMU position							
	Front		Back	Side left	Side right					
<u>before</u> the session										
<u>after</u> the session										





Use of ve	elcro								
	Knee		Elbow	Waistband front	Waistband back				
Velcro	ges		yes	yes (10 pieces)	yes (2 pieces)				
used?	⊠ no		⊠ no	no	no				
More	☐ yes			1					
velcro?	⊠ no								
Recordin	igs								
Scenario		1							
IMU set		1							
Number		30							
Length		120 sec pe	er recording						
Video		⊠ yes							
		ID		Recording Number	Length				
		Video_Subject6_Rec7		7	2 min 13 sec				
		Video	_Subject6_Rec8-14	8 - 14	12 min 31 sec				
		Video	_Subject6_Rec15	15	2 min 26 sec				
		☐ no							
Pictures a	vailable	⊠ yes							
		- 10 pictures: before recording							
		- 38 pictures: during recording							
		- 10 pictures: after recording							
		☐ no							
Incident		⊠ yes							
		- Ma	arker lost: left heel (LHE	EE) → recording delete	ed and new recording				
		□ no							
Remarks		- Bre	eak after 15 recordings						
1									





Date 02.08.2019

Time 08:00 – 18:00

Sub	iect 7	_							
Ove	Subject 7 Overview of the session								
Time									
Rooi		At 10:15 – 25.7 °C							
	erature								
		iit / Shoes							
Тор		S							
Trou	sers	S							
Shoe	es	42 (EU/DE)							
Pict	ures of m		and IMU position						
	Front	-	Back	Side left Side right					
<u>before</u> the session									
<u>after</u> the session									





Use of ve	Use of velcro							
	Knee			Elbow			Waistband front	Waistband back
Velcro	⊠ yes (2 p	ieces	s)	yes (2 pieces)		s)	yes (2 pieces)	
used?	☐ no				no		☐ no	□ no
More	☐ yes			I				
velcro?	⊠ no							
Recordin	gs							
Scenario			Scena	rio	Record			
			1		1-2			
			2		3-16			
			3		17-30			
IMU set			2 and 3					
Number		30						
Length		120 sec. per recording						
Video		⊠ yes – all 30 recordings						
		no						
Pictures a	vailable	⊠ yes						
		- 12 pictures: before recording						
		60 pictures: during recording5 pictures: after recording						
			- 5 pi	Clure	s. anei recoi	ruing		
		 	าด					
Incident			yes					
				cordir	ng 17 take 1	dele	ted → Take 2	
	□ r	าด						
Remarks			- Firs	t Sul	oject for Scer	nario	1, 2 and 3 & first rec	ording
				0	Detailed atte	mpts	before the actual red	cordings started





Sub	ject 8										
Overview of the session											
Time		15:15 – 17:40									
Roor		At 15:15 – 28.8	3 °C								
temp	erature	At 17:40 – 28.8 °C									
	Size of the Suit / Shoes										
Тор											
	Trousers S										
Shoe	Shoes 40 (EU/DE)										
Pict	ures of n	narker position	and IMU position								
	Front		Back	Side left	Side right						
<u>before</u> the session	Mi										
<u>after</u> the session											





Use of velcro							
	Knee		Elb	ow		Waistband front	Waistband back
Velcro used?	⊠ yes (2 □ no	pieces	yes (2 pieces)				
More velcro?	no	aist sid	e 2 pieces)				
Recordin	ıgs						
Scenario			Scenario 1 2 3	Record 1-2 3-16 17-30			
IMU set		2 and		00			
Number		30					
Length			sec. per rec	ording			
Video		yes – all 30 recordings □ no					
Pictures a	vailable	 yes 5 pictures: before recording 0 pictures: during recording 5 pictures: after recording 					
Incident		-	 yes Recording 9 marker lost: right finger (RFIN) → recording deleted and new recording Between recording 10 and 13 marker lost: right finger (RFIN) During recording 14 Nexus crashed → reboot (therefore recording 14 take 3) Recording Take 1: video camera was off → therefore take 2 				





Date 03.08.2019

Time 07:30 – 17:00

Sub	ject 9		_		_					
	Overview of the session									
Time)	09:25 – 12:10								
Roor	m	At 09:25 – 24.	7 °C							
temp	temperature At 12:10 – 26.0 °C									
Size	Size of the Suit / Shoes									
Тор М										
Trou	sers	S								
Shoe		43 (EU/DE)								
Pict	ures of n	narker positio	n and IMU position							
	Front		Back	Side left	Side right					
<u>before</u> the session										
after the session										





Use of ve	Use of velcro							
	Knee		E	bow		Waistband front	Waistband back	
Velcro used?	⊠ yes (2	pieces	s) 🗵] yes (2 piece] no	s)			
More	⊠ yes (4	pieces	s um die A	die Armband-IMUs zu fixieren)				
velcro?	☐ no							
Recordin	gs							
Scenario			Scenario	Record				
			1	1-2				
			2	3-16				
			3	17-30				
IMU set		2 and	d 3					
Number		30						
Length		120 sec. per recording						
Video				recordings				
		☐ no						
Pictures a	vailable	⊠ ye						
		-	•	tures: before		J		
		- 0 pictures: after recording						
		-	o picti	6 pictures: after recording				
		l □ no	□ no					
Incident			⊠ yes					
		-		recording 3	marke	r loose but not lost: lef	t heel (LHEE)	
		- Recording 9 marker lost: left wrist (LWRB) → recording deleted and						
		new recording						
		_	Recor	ding 21 - lost	conne	ction to the IMU		
		-	Recor	ding 21 take 2	2 and t	ake 3 are alright -> 31	recording available	
	-	Recor	ding 30 witho	ut vide	0			
			0					
Remarks		-		_		velcros at the front of	•	
		-		J		peled as take 2 in the	video, although there	
			are no second recordings					





Sub	ject 10									
Ove	erview of the	session								
Tim	e	13:50 – 16:50								
Roo	om	At 13:50 – 26.5 °C								
tem	perature									
	e of the Suit	/ Shoes								
Тор		M								
Tro	users	S								
Shoes 43 (EU/DE)										
Pictures of marker position and IMU position										
	Front		Back	Side left	Side right					
<u>before</u> the session										
<u>after</u> the session										





Use of velo	Use of velcro								
	Knee		Elbow		Waistband front	Waistband back			
Velcro	🛛 yes (2 piec	es)	⊠ yes (2	pieces)	yes (10 pieces)				
used?	☐ no		□ no		☐ no	☐ no			
More	☐ yes		•						
velcro?	⊠ no								
Recording	S								
Scenario			Scenario	Record					
			1	1-2					
			2	3-16					
			3	17-30					
IMU set		2 and	d 3						
Number		30							
Length		120 :	sec. per rec	ording					
Video									
		no							
Pictures ava	ailable	⊠ ye							
		- 5 pictures: before recording							
		- 0 pictures: during recording							
		- 5 pictures: after recording							
		no							
Incident		⊠ ye							
		-		_	connection problems v				
		-	-	•	I marker lost: left finge	er (LFIN) → recording			
		continued							
		-		_	ection problems with IN	/IUs → from recording			
					cordings from set 2	(I FIN I)			
	-) marker lost: left finge	er (LFIN) → recording				
		continue	ea						
	n n	0							
Remarks	U '''		ter recordin	ng 16					
i Kemai Ka		_	DI GAR AI	tor recording	ig 10				





Date 04.08.2019

Time 07:30 – 17:30

Sub	iect 11			_	_					
Subject 11 Overview of the session										
Time	09:30 – 12:00									
Room At 09:30 – 24.4 °C										
temperature At 12:00 – 27.0 °C										
Size of the Suit / Shoes										
Top S										
Trou		S								
Shoe		41 (EU/DE)								
Pict		marker positi	ion and IMU pos							
	Front		Back	Side left	Side right					
<u>before</u> the session										
<u>after</u> the session										





Use of velcro										
	Knee		Elbe	ow		Waistband front	Waistband back			
Velcro used?	yes (0) pieces)				yes (12 pieces)	⊠ yes (2 pieces)			
	no			∐ no						
More	□ yes									
velcro?	⊠ no									
Recordin	igs ————————————————————————————————————	T - T -			1					
Scenario			nario	Record						
		1		1-2						
		2		3-16						
		3		17-30						
IMU set		2 and 3								
Number		30	30							
Length		120 sec.	120 sec. per recording							
Video										
		□ no								
Pictures a	vailable	⊠ yes								
		- 12 pictures: before recording								
		- 0 pictures: during recording								
		- 5 pictures: after recording								
		☐ no								
Incident		⊠ yes								
		- After recording 21 connection problems with IMUs								
		- After the recording 27 it was noticed that the marker of the left finger								
		(LFIN) slipped. When exactly it happened is unclear.								
		- After the recording 30 it was noticed that the marker of the right ankle								
			(RANK) was lost. When exactly it happened is unclear.							
		no								
Remarks				_		recording 17 one brea	k due to recording by			
		;	a studer	nt (for the the	esis)					





Subject 12											
Overview of the session											
Roo	om At 14:50 – 29.5 °C										
tem	temperature At 17:10 – 30.5 °C										
Size of the Suit / Shoes											
Тор		XS									
	ısers	XS									
Sho	es										
Pict	ures of ma	rker position and IM	IU position								
	Front		Back	Side left	Side right						
<u>before</u> the session											
<u>after</u> the session											





Use of velcro									
	Knee			Elb	ow		Waistband	Waistband	
							front	back	
Velcro	🛛 yes (0 piec	es)		\boxtimes y	yes (2 piece	es)		⊠ yes	(2
used?	☐ no			☐ r	าด		pieces)	pieces)	
							☐ no	☐ no	
More	☐ yes			•					
velcro?	⊠ no								
Recording	s								
Scenario			Scena	rio	Record				
			1		1-2				
			2		3-16				
			3		17-30				
IMU set	2 and 3								
Number		30							
Length		120 sec. per recording							
Video									
		□ no							
Pictures ava	ailable	⊠ yes							
		- 5 pictures: before recording							
		- 116 pictures: during recording							
		- 5 pictures: after recording							
		no							
Incident	⊠ yes								
		- Afte	er rec	ording 17 N	lexus c	rashed → reboot			
			_						
Demonstra		- System was recalibrated before recording (due to noise)							
Remarks			•				• ,	•	
			- The headband was removed several times during the recording						





Date 05.08.2019 Time 07:30 – 16:30

Subject 13 Overview of the session												
	Overview of the session Time 09:30 – 11:45											
		At 09:30 – 11:45 At 09:30 – 26:4 °C										
temperature At 11:45 – 28.7 °C Size of the Suit / Shoes												
Top XS Trousers XS												
Shoe												
		38 (EU/DE)										
Picti		narker position	on and IMU position	Oida late	Oide winds							
	Front	des.	Back	Side left	Side right							
<u>before</u> the session												
after the session												





Use of velcro										
	Knee			Elbow			Waistband front	Waistband back		
Velcro	⊠ yes (2	piece	es)				yes (10 pieces)	yes (2 pieces)		
used?	☐ no			□ n	□ no □ no					
More	☐ yes			•						
velcro?	⊠ no									
Recordin	ıgs									
Scenario			Scena	ario	Record					
			1		1-2					
			2		3-16					
			3		17-30					
IMU set		2 an	nd 3							
Number		30								
Length			120 sec. per recording							
Video										
		no								
Pictures a	ivailable	⊠ yes								
		- 5 pictures: before recording								
		- 120 pictures: during recording								
		- 8 pictures: after recording								
		□no								
Incident			es/							
				cordir	ng 12 interru	upted a	and repeated for video	recording		
		- After the last recording 30 it was noticed that:								
		Marker slipped: right hand (RFIN)								
		Marker lost: left wrist inside (LWRA)								
		 The lost marker (LWRA) was noticed on the left side of the rib 								
			cage							
		Wł	nen ex	cactly it hap	pened	is unclear.				
_		∐ r	10							
Remarks										





Sub	ject 14										
Ove	rview of th	ne session									
Time	9	14:20 – 16:10									
Room At 14:20 – 29.1 °C											
temp	perature	At 16:10 – 30.5 °C									
Size	of the Su	it / Shoes									
Тор		S									
Trou	isers	S									
Sho	es	43 (EU/DE)									
Pictures of marker position and IMU position											
	Front		Back	Side left Side right							
<u>before</u> the session											
<u>after</u> the session											





Use of velcro										
	Knee			E	lbow			stband	t	Waistband back
						fron	t			
Velcro	🛛 yes (2 pi	eces)			🛚 yes (2 pie	ces)		yes	(10	
used?	☐ no] no		piec	•		☐ no
							☐ n	0		
More	☐ yes									
velcro?	⊠ no									
Recording	gs									
Scenario			Scenario)	Record					
			1		1-2					
			2		3-16					
			3		17-30					
IMU set		2 ar	2 and 3							
Number		30								
Length		120 sec. per recording								
Video										
		no								
Pictures av	vailable	⊠ yes								
		- 5 pictures: before recording								
		- 96 pictures: during recording								
		- 7 pictures: after recording								
Incident		🖂 y								
		- After recording 15 it was noticed that the marker of the right								
		forearm (RFRA) sticks to the leg. When exactly it happened is								
			uncle	ar.						
		- After	rec	ording 17 N	lexus cra	shed	→ reb	oot		
		<u> </u>	no							
Remarks										