



## Sleep&Cognition group wiki

Both NCC and E-prime send events to NetStation. Here are the codes, labels and descriptions of the events per channel.

### NETSTATION - DIN1 - 10.0.0.42

Code	Label	Description
<b>AUD</b>	auditory stim	Audio onset recorded with AVtester
<b>SAC</b>	saccade	Saccade onset recorded with AVtester
<b>LM</b>	left mouse	Left mouse button press
<b>RM</b>	right mouse	Right mouse button press
<b>MM</b>	middle mouse	Middle mouse button press

### EPRIME - ECI TCP/IP 55513 - 10.0.0.44

Code	Label	Description
<b>CELL</b>		CellNumbers from the Eprime script indicating the individual procedures, ISIs and targets
<b>CELL</b>	Target	#1 Target in the N-Back, should match a left mouse button press
<b>CELL</b>	NoTarget	#2 No target in the N-Back, should match a right mouse button press
<b>CELL</b>	Block	#3 Block session
<b>CELL</b>	Baseline	#4 Baseline session
<b>CELL</b>	Tasks	#5 Tasks session
<b>CELL</b>	SubjectiveQuestions	#6 Subjective questions session
<b>CELL</b>	EEG	#7 EEG session
<b>CELL</b>	NBack	#8 N-Back task
<b>CELL</b>	PVT	#9 PVT task
<b>CELL</b>	Saccade	#10 Saccade task
<b>CELL</b>	1000ms	#11 1 second ISI of PVT
<b>CELL</b>	2000ms	#12 2 second ISI of PVT
<b>CELL</b>	3000ms	#13 3 second ISI of PVT
<b>CELL</b>	4000ms	#14 4 second ISI of PVT
<b>CELL</b>	Series1	#15 Series 1 of N-Back
<b>CELL</b>	Series2	#16 Series 2 of N-Back
<b>CELL</b>	Series3	#17 Series 3 of N-Back

<b>CELL</b>	Series4	#18 Series 4 of N-Back
<b>CELL</b>	Series5	#19 Series 5 of N-Back
<b>CELL</b>	L20	#20 Left 20 degrees saccade stimulus
<b>CELL</b>	L15	#21 Left 15 degrees saccade stimulus
<b>CELL</b>	L10	#22 Left 10 degrees saccade stimulus
<b>CELL</b>	R10	#23 Right 10 degrees saccade stimulus
<b>CELL</b>	R15	#24 Right 15 degrees saccade stimulus
<b>CELL</b>	R20	#25 Right 20 degrees saccade stimulus
<b>CELL</b>	Effort	#26 Effort session
<b>CELL</b>	FSSProc	#27 FSS session
<b>CELL</b>	SevenProc	#28 Subjective questions with 7-point Likert scale
<b>CELL</b>	Sensation	#29 Thermal sensation question
<b>CELL</b>	Comfort	#30 Thermal comfort question
<b>CELL</b>	Preference	#31 Thermal preference
<b>CELL</b>	EOProc	#32 Eyes-open session
<b>CELL</b>	ECProc	#33 Eyes-closed session
<b>SESS</b>	morning_4/afternoon_8	Onset of protocol
<b>bgin</b>		Beginning of a trial
<b>TRSP</b>		Trial information
<b>resp</b>		Trial response information
<b>nbk+</b>		Onset of the N-Back instructions / beginning of N-Back session
<b>nisi</b>		Onset of N-Back inter stimulus interval
<b>nstm</b>		Onset of N-Back auditory stimulus
<b>pvt+</b>		Onset of the PVT instructions / beginning of PVT session
<b>psi</b>		Onset of PVT inter stimulus interval
<b>pstm</b>		Onset of PVT auditory stimulus
<b>sac+</b>		Onset of Saccade instructions / beginning of Saccade session
<b>sfix</b>		Onset of Saccade inter stimulus interval (duration 1 second)
<b>sstm</b>		Onset of visual Saccade stimulus (duration 1 second)
<b>effo</b>		Onset of effort question
<b>fssq</b>		Onset of the FSS
<b>ques</b>		Onset of a subjective question
<b>eo++</b>		Onset of the eyes-open instructions (duration 10 seconds)
<b>eo eo</b>		Beginning of the 3 minute eyes-open session

<b>ec++</b>		Onset of the eyes-closed instructions (duration 10 seconds)
<b>ecec</b>		Beginning of the 3 minute eyes-closed session
<b>ec-</b>		Onset of auditory stimulus at the end of the 3 minutes eyes-closed session

NCC - ECI TCP/IP 55516 - 10.0.0.40

Code	Label	Description
<b>NSIP</b>	TEMP	Set, current, input and output temperature data from the baths. Subfields are: PSET, PCUR, PINP, POUT, DSET, DCUR, DINP, DOUT.
<b>NSIP</b>	TIME	Absolute and relative (to protocol start) timestamps. Subfields are: ATIM, RTIM.
<b>NSIP</b>	TRAN????	Transition to new block
<b>NSIP</b>	PVTB	Onset of Eprime sessions / beginning of N-Back

Spitting data To split the data into manipulation blocks, use the following event

Block	Event	Offset	Duration
<b>Any block</b>	TRAN	0	30 minutes

To split each block into sessions, use the following events:

Session	Event	Offset	Duration
<b>N-Back</b>	pvt+	-3 minutes	3 minutes
<b>PVT</b>	sac+	-3 minutes	3 minutes
<b>Saccade</b>			
<b>Eyes-open</b>	ec++	-3 minutes	3 minutes
<b>Eyes-closed</b>	ec-	-3 minutes	3 minutes

To extract the results from each of the sessions, use these events:

Variable	Events
<b>N-Back correct target</b>	TRSP, cell #1, left mouse
<b>N-Back correct no target</b>	TRSP, cell #2, right mouse
<b>N-Back incorrect target</b>	TRSP, cell #1, right mouse
<b>N-Back incorrect no target</b>	TRSP, cell #2, left mouse
<b>N-Back reaction time</b>	AUD, left mouse, right mouse
<b>PVT reaction time</b>	AUD, left mouse
<b>Saccade</b>	SAC