

# Ambulatory EEG Scanning



MSET Fall Conference

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# Importance of Scanning



- Helps interpreting neurologist
  - *Show examples of different stages*
  - *Label patient activities*
  - *Label artifacts*
  - *Highlights important events*

# Diary Log



- Important to coordinate patient to EEG waveforms
  - *Aids in discerning artifact*
  - *Document patient events*
  - *Document what patient is doing*

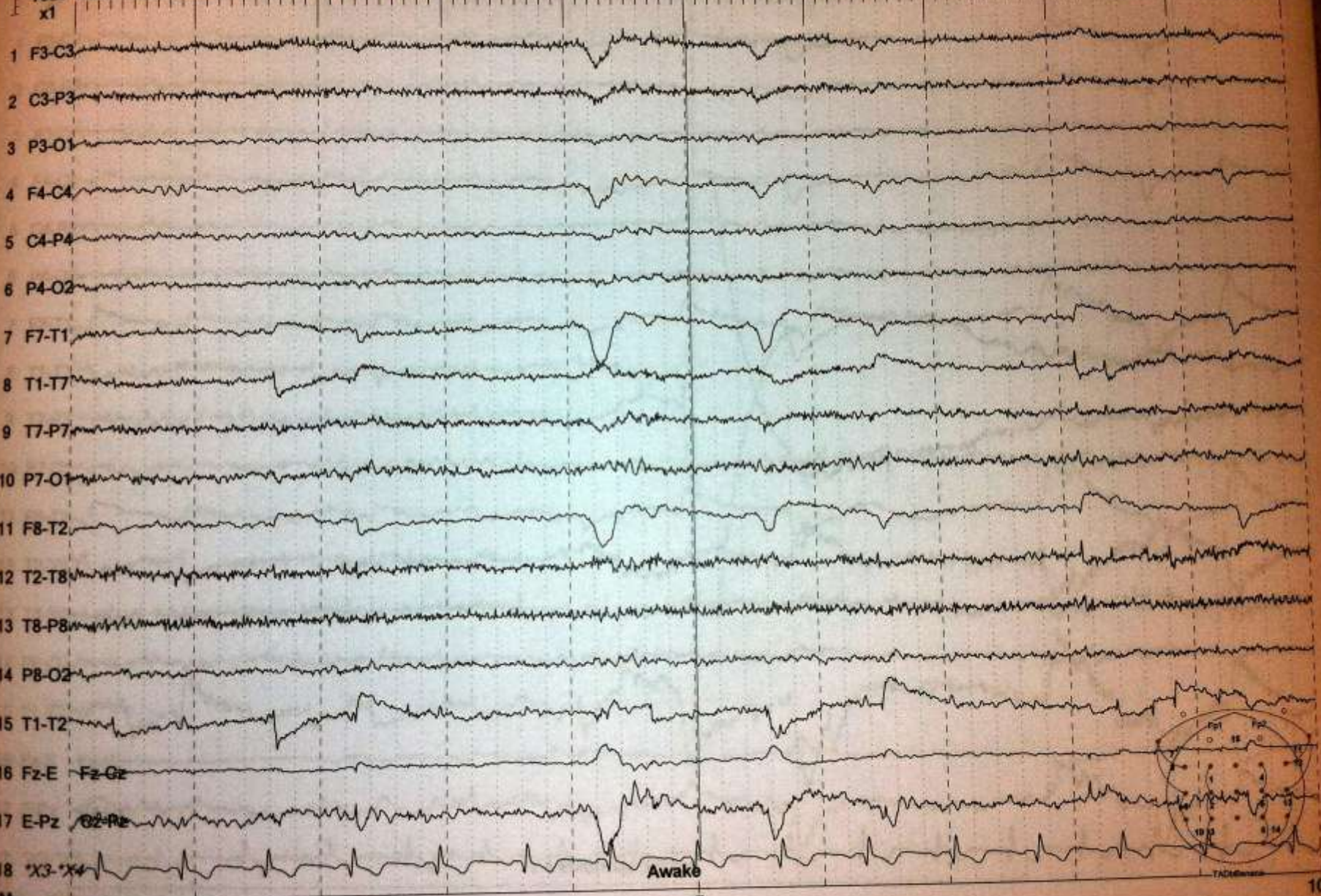


SENS 15:20:37[0003:55:56] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]  
70uV Patt. \*TADbBanana ACfilt. \*OFF Refer. \*OFF Reset \*OFF

EEG Date: 8/25/2011

ID: .....

Name .....



M Scale 83%

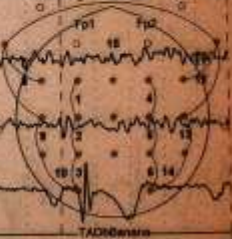
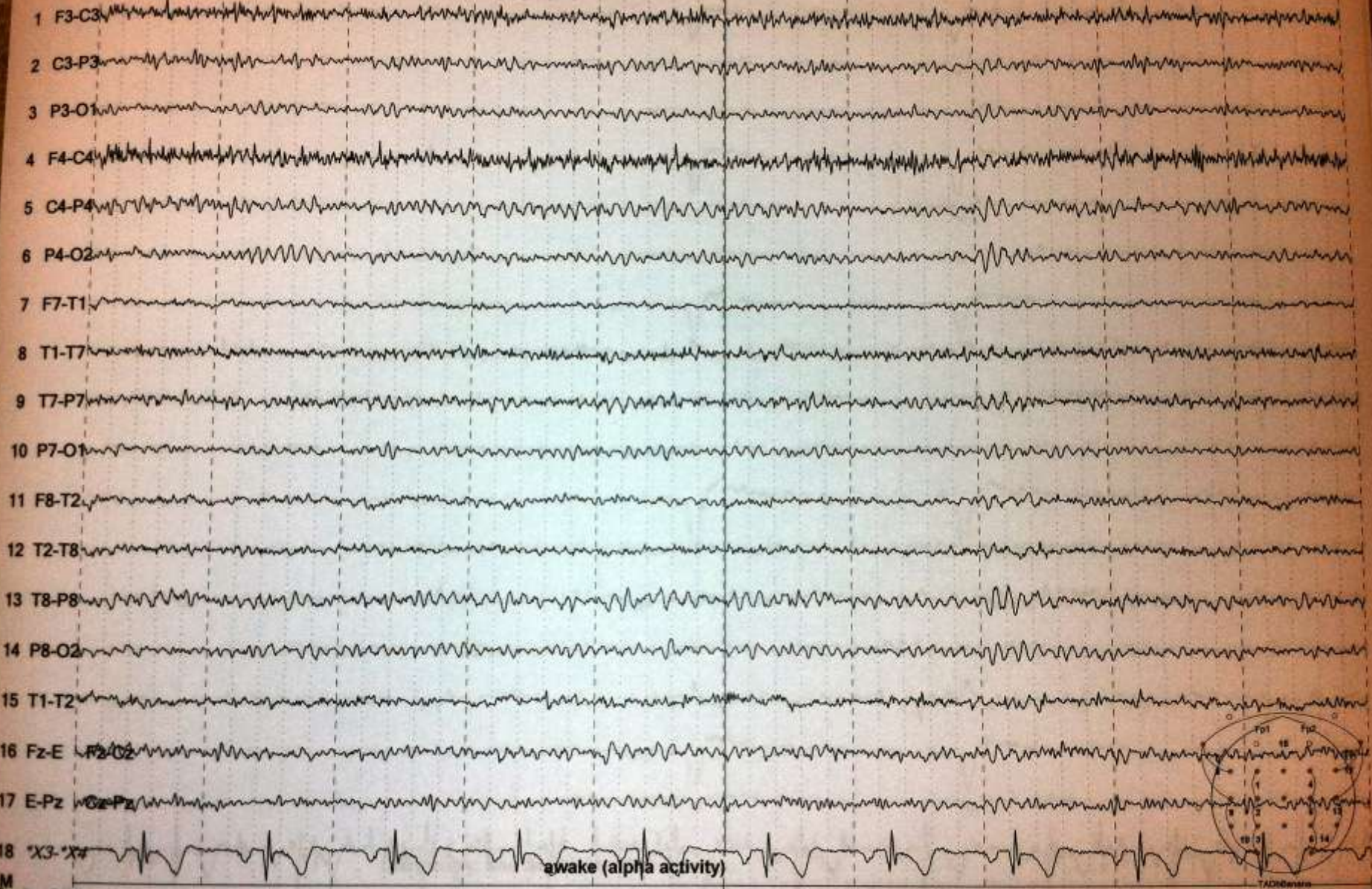
5

10



SENS 11:10:58[0001:56:21] [SENS \*5 HF \*70 LF \*0.53 CAL \*50]  
50uV Patt. \*TADbBanana ACFit. \*ON Refer. \*OFF Reset \*OFF  
x1

EEG Date: 8/25/2011 ID: \*\*\*\*\*  
Name \*\*\*\*\*

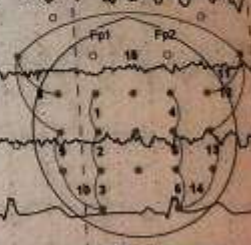
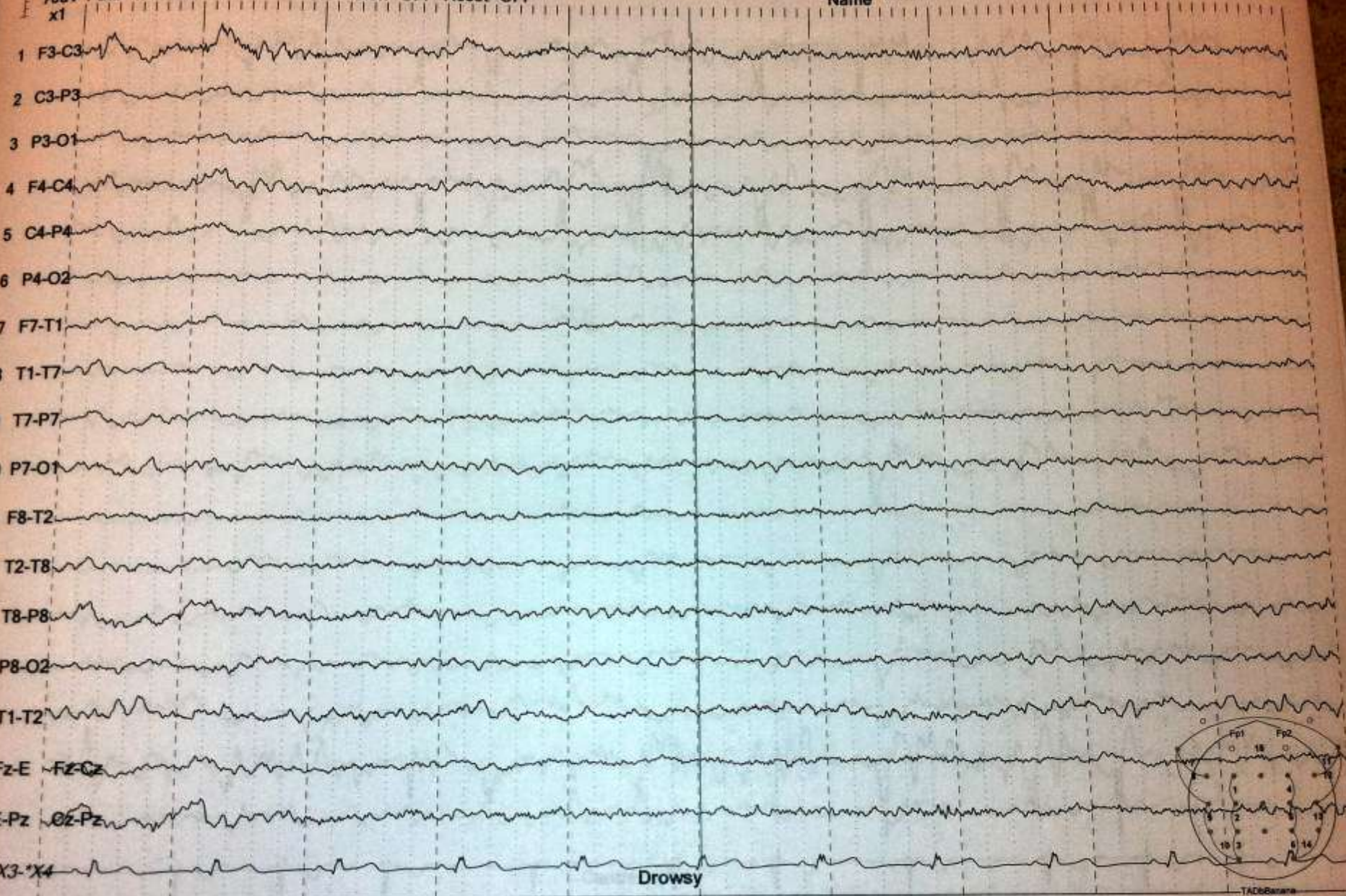


M Scale 83%

5

10

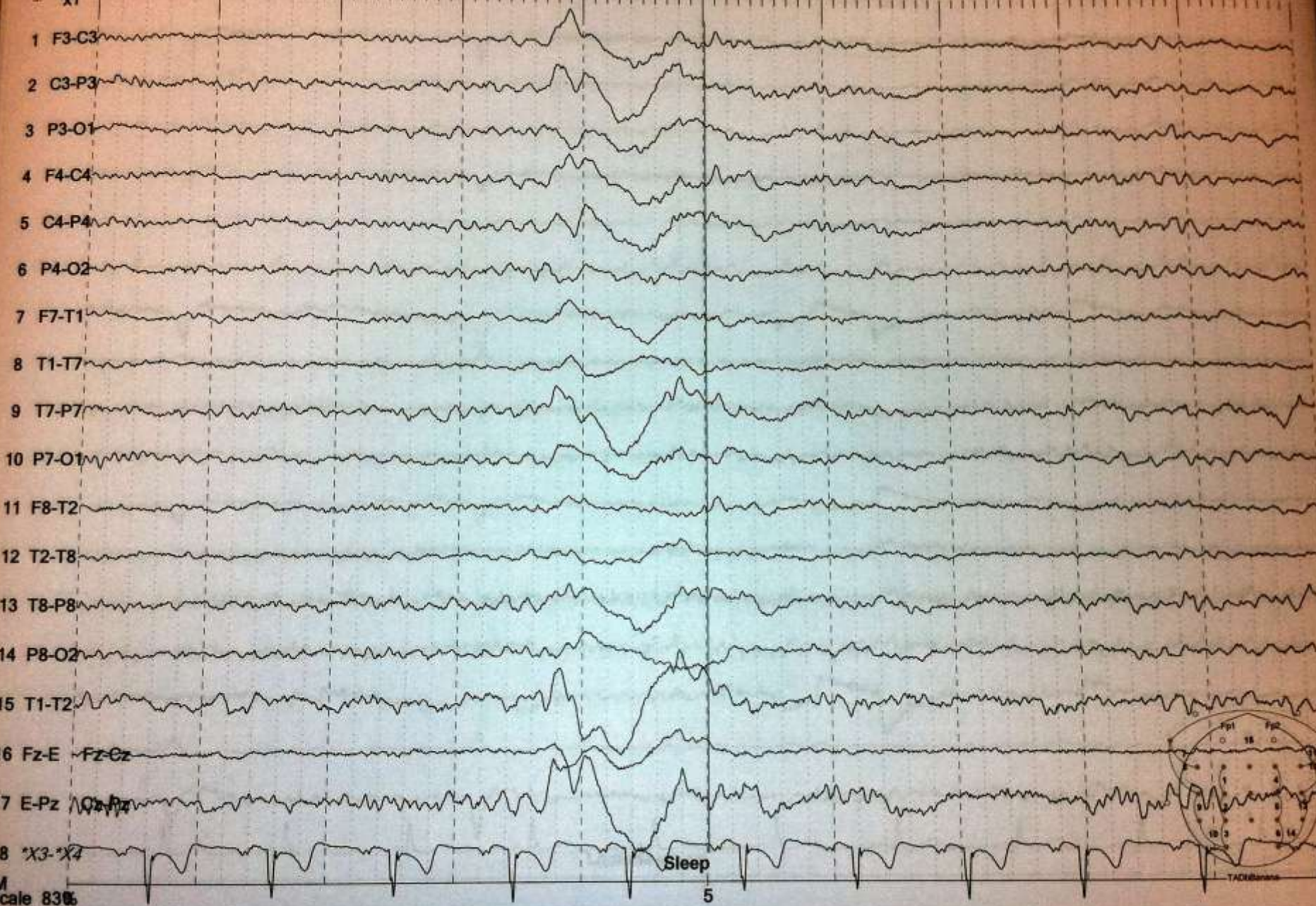




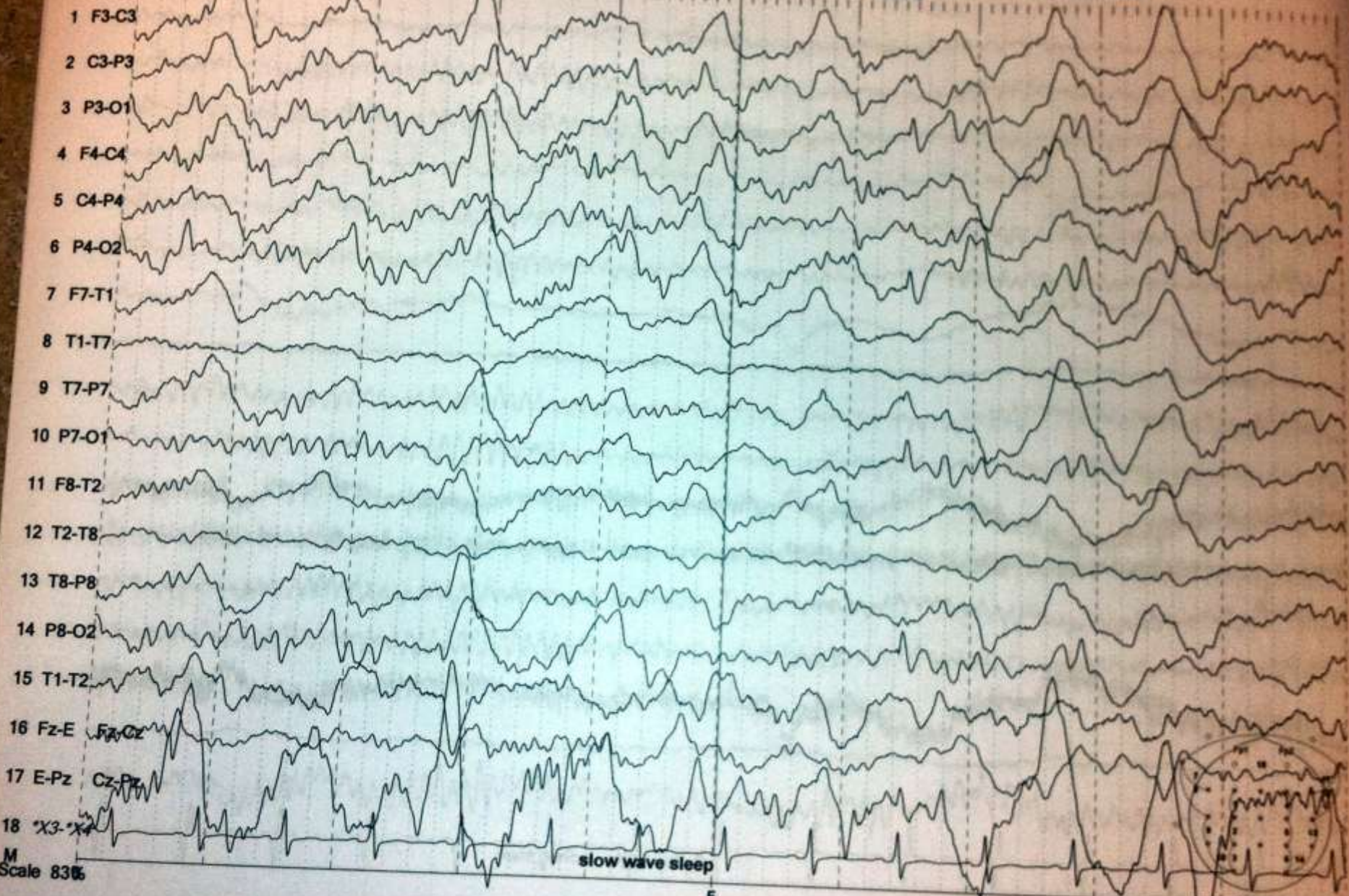
Drowsy

TADbBanana









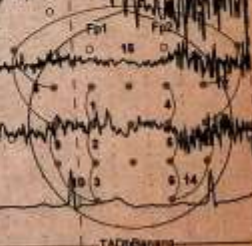
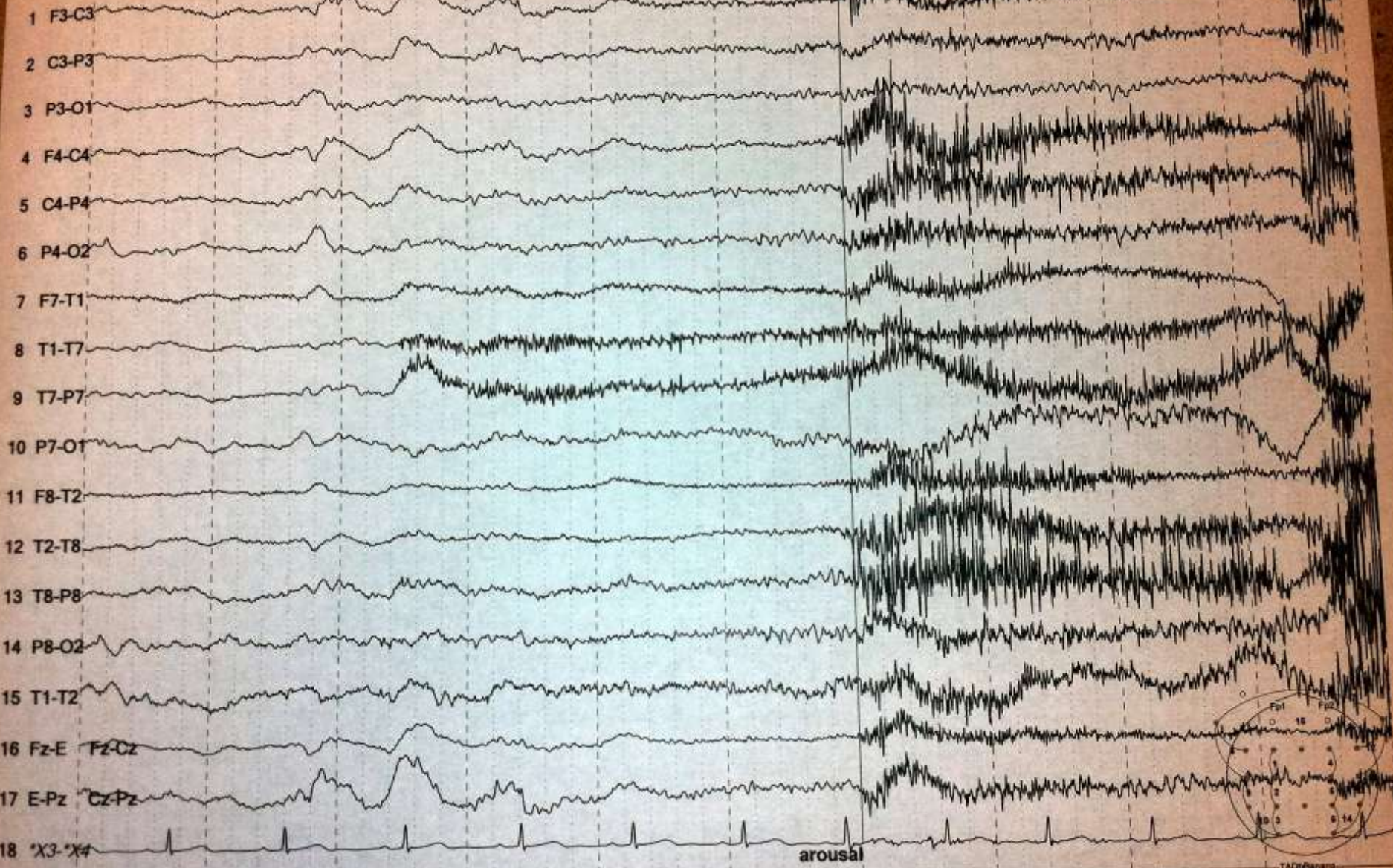
M Scale 83%

slow wave sleep



SENS 22:33:12[0013:51:22] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]  
70uV Patt. \*TADbBanana ACfilt. \*ON Refer. \*OFF Reset \*OFF  
x1

EEG.Date: 6/6/2011 ID: \*\*\*\*\*  
Name \*\*\*\*\*





SENS 11:29:05[0020:52:56] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]

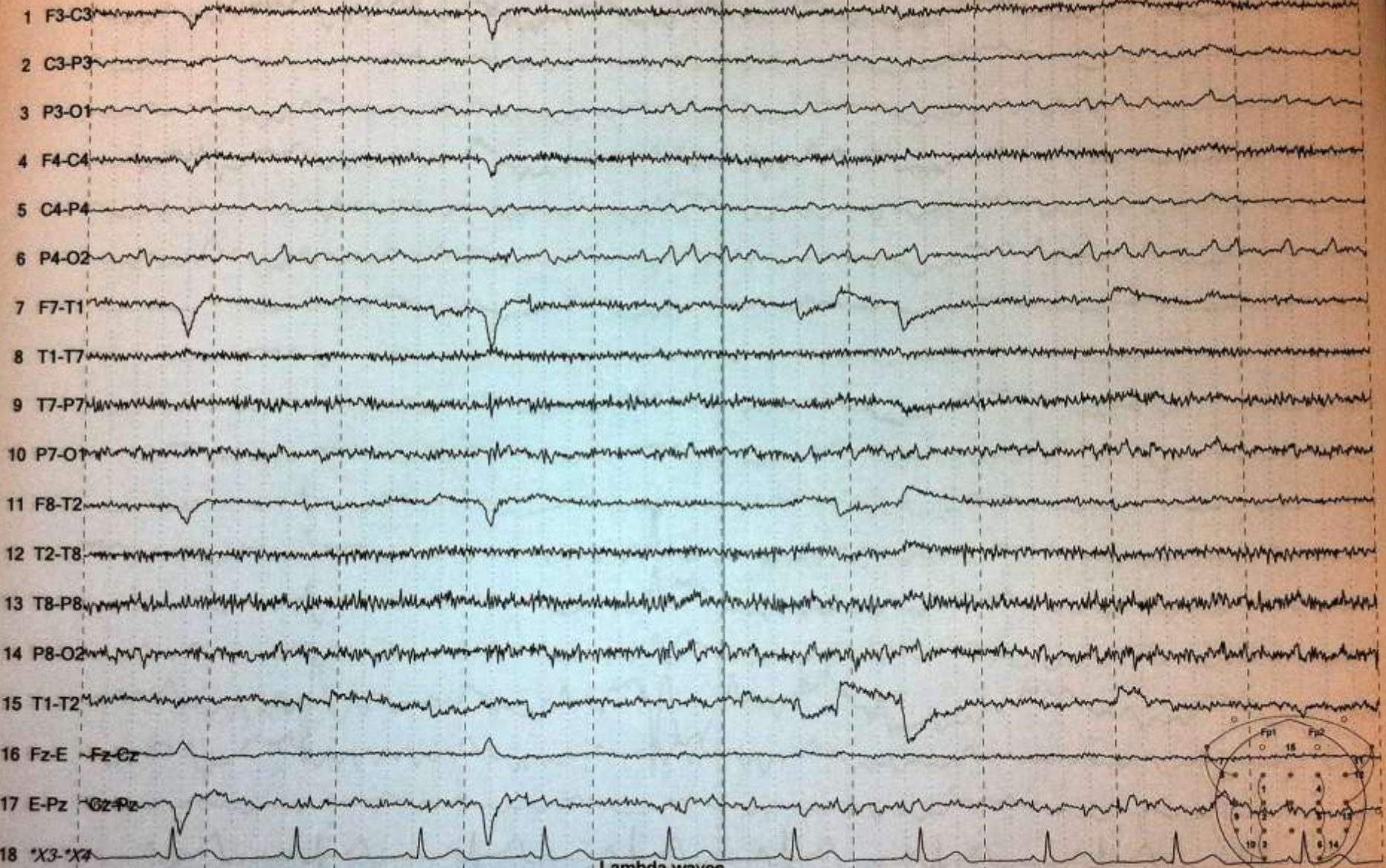
EEG.Date: 7/6/2011

ID: .....

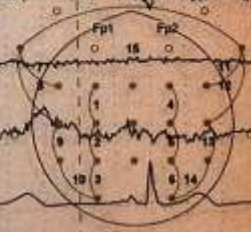
70uV Patt. \*TADbBanana ACFilt. \*OFF Refer. \*OFF Reset \*OFF

Name .....

x1



Lambda waves



M Scale 83%

5

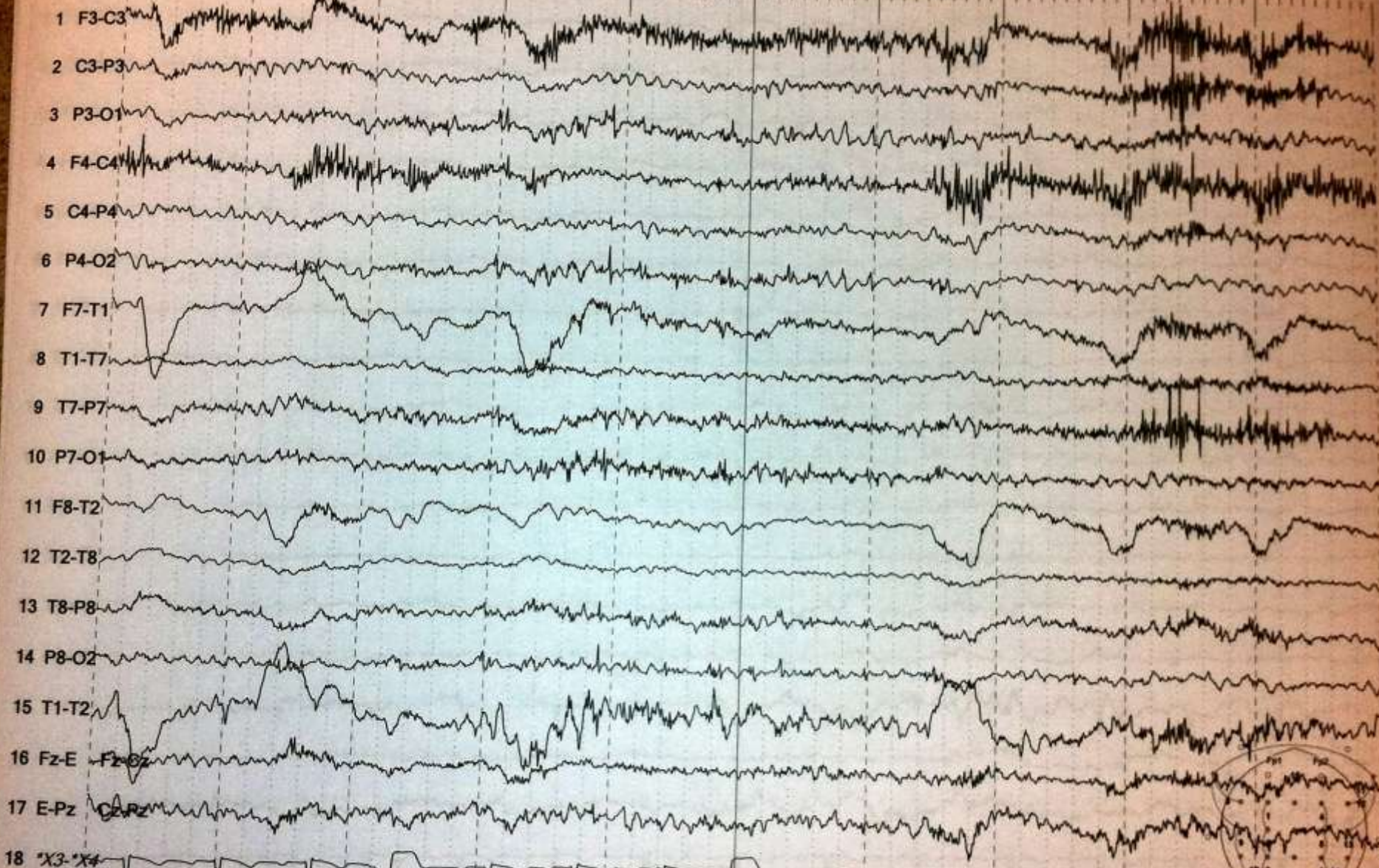
10

TADbBanana



70uV Patt. \*TADbBanana ACfilt. \*OFF Refer. \*OFF Reset \*OFF

Name .....



Note: changes in ECG

M Scale 83%



SENS 12:19:16[0000:54:35]

[SENS \*7 HF \*70 LF \*0.53 CAL \*50]

70uV Patt. \*TADbBanana ACfilt. \*OFF Refer. \*OFF Resst \*OFF

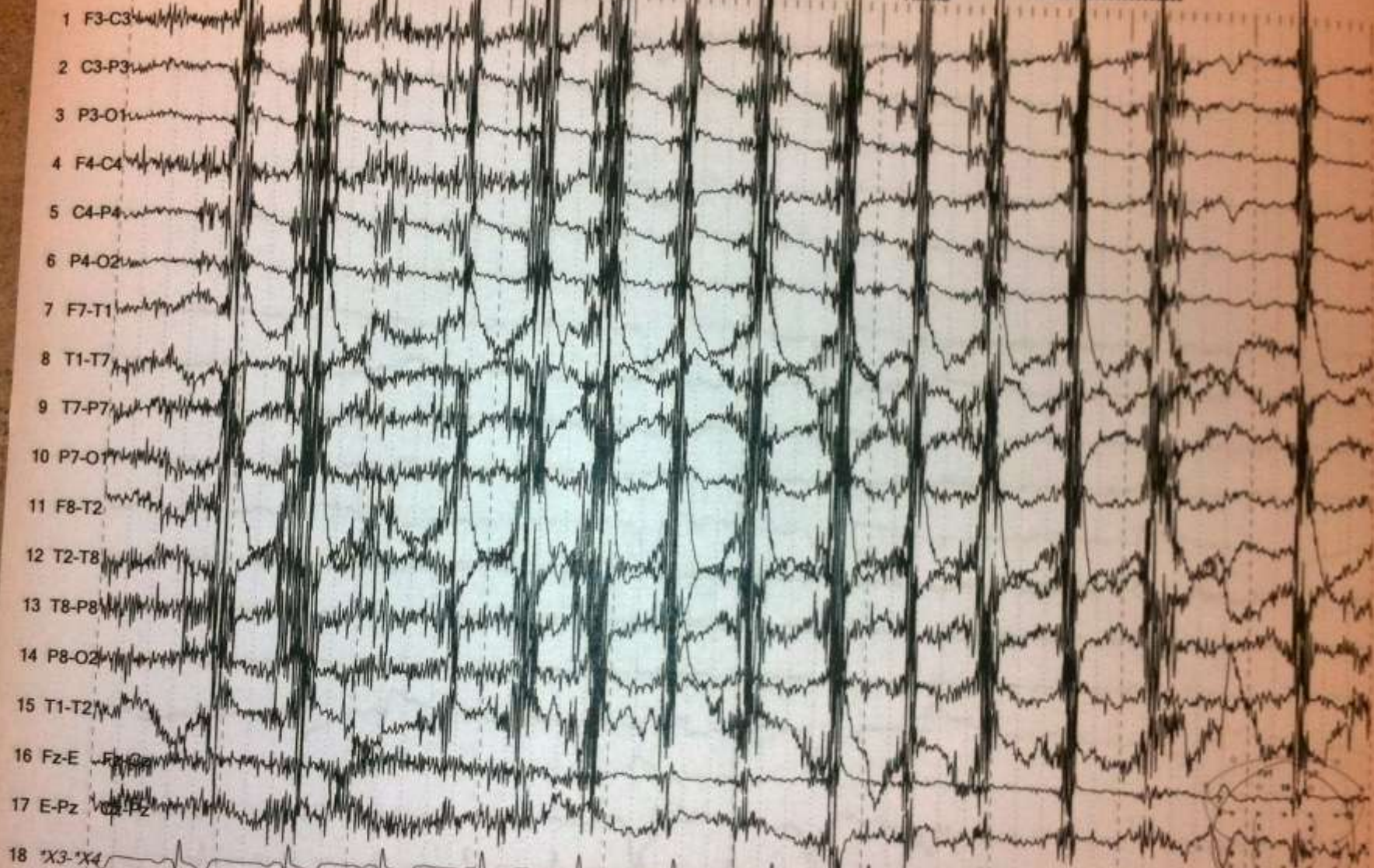
EEG Date: 8/25/2011

Page

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Name .....

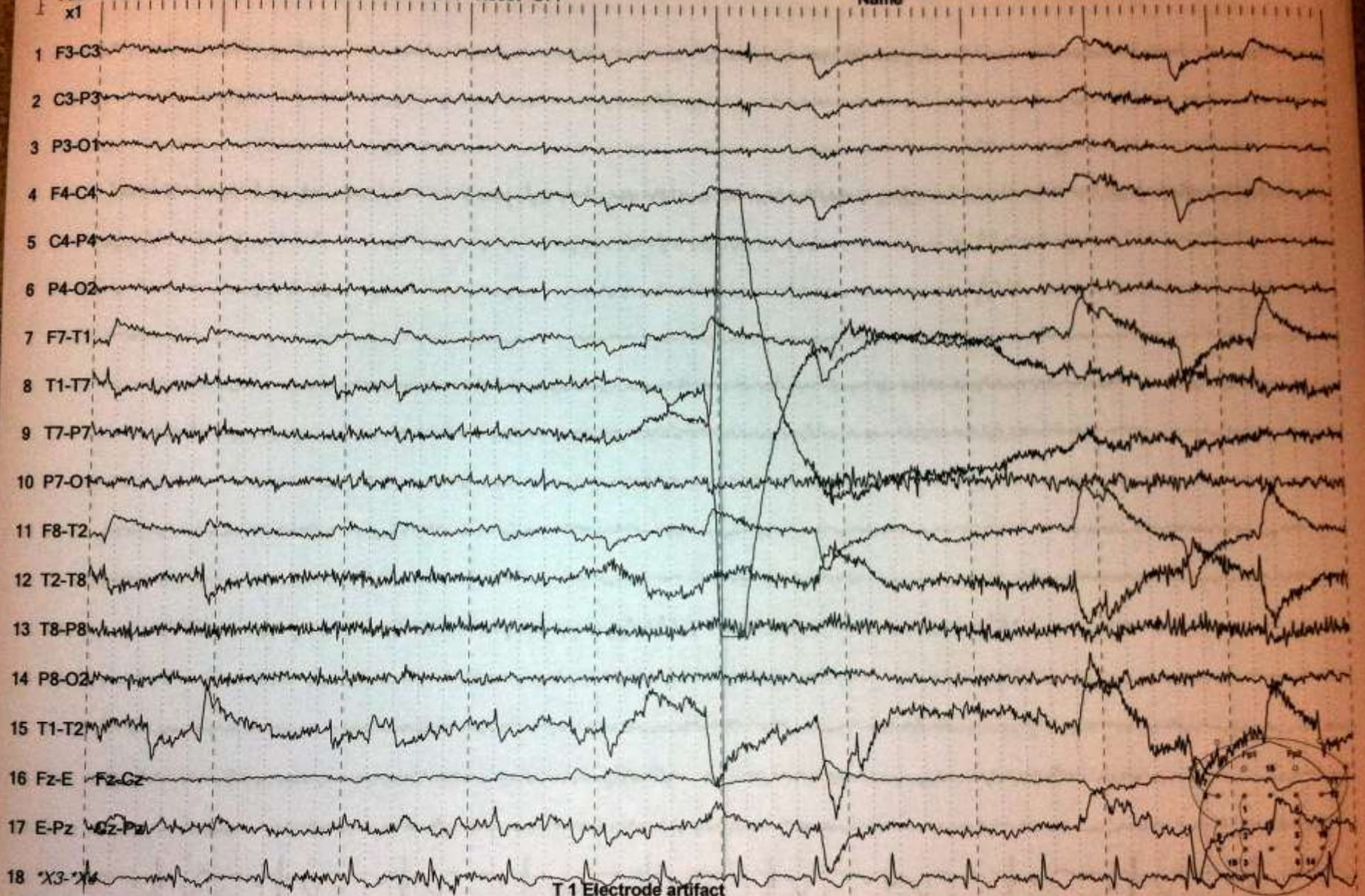
ID: .....



Eating/chewing

M Scale 83%





T 1 Electrode artifact

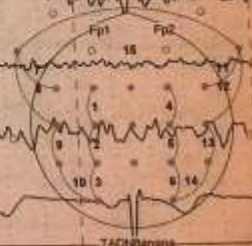
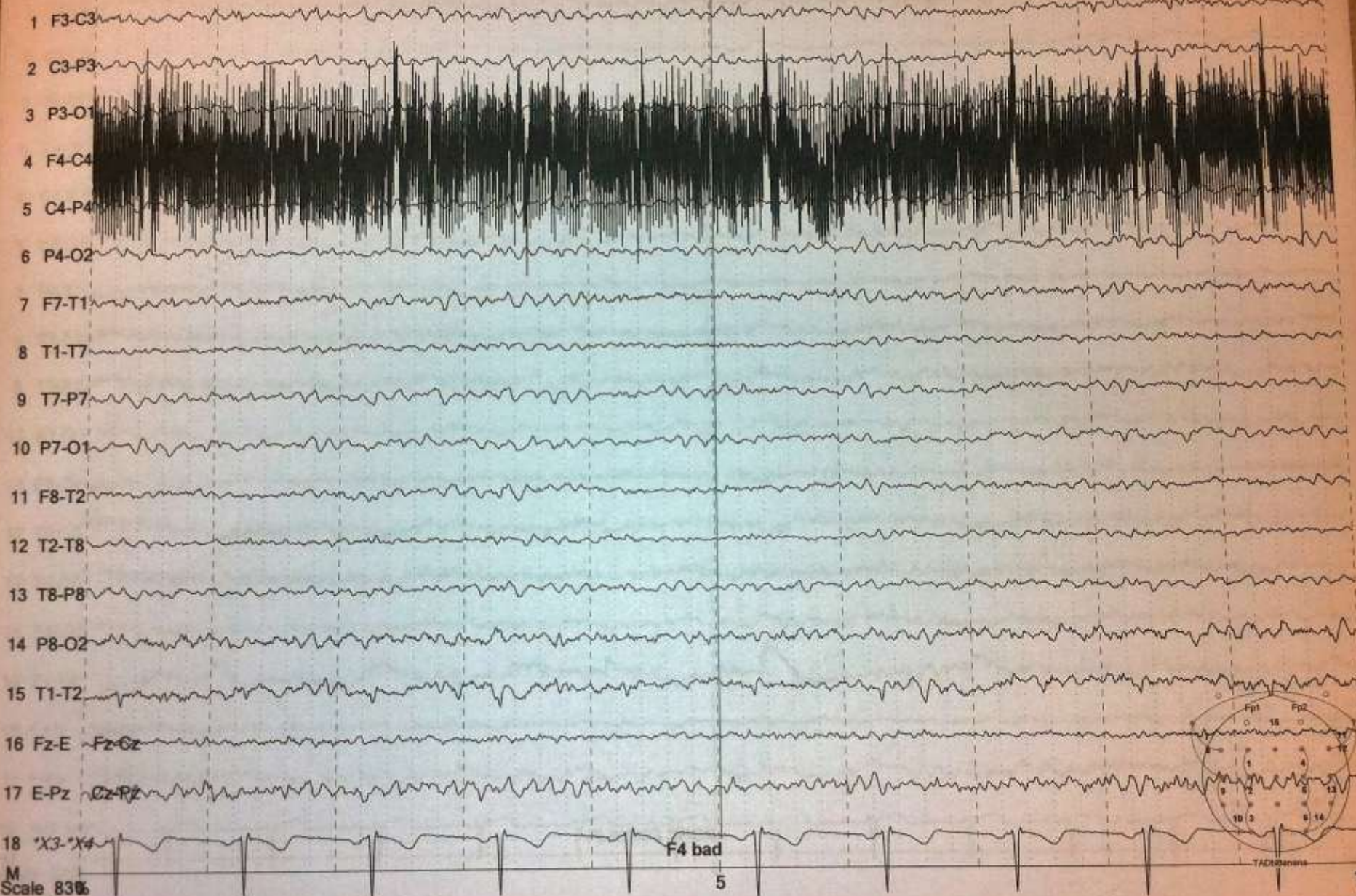


SENS 09:55:45[0020:05:05] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]  
70uV Patt. \*TADbBanana ACfilt. \*ON Refer. \*OFF Reset \*OFF  
x1

EEG.Date: 6/21/2011

ID: .....

Name .....

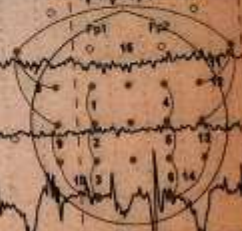
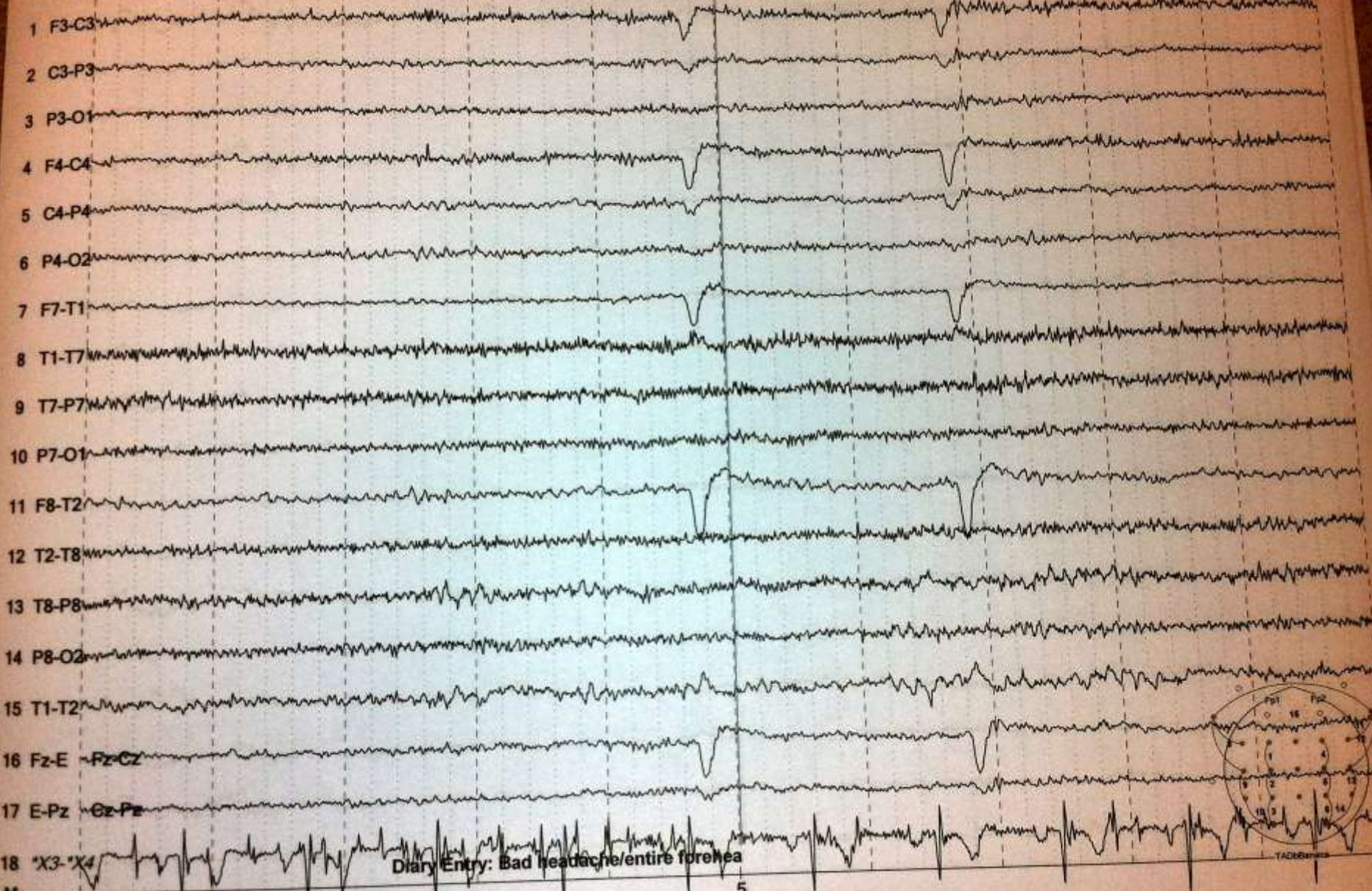


F4 bad



SENS 13:57:03[0004:42:26] [SENS \*5 HF \*70 LF \*0.53 CAL \*50]  
50uV Pat. \*TADbBanana ACfilt. \*ON Refer. \*OFF Reset \*OFF  
x1

EEG.Date: 8/25/2011 ID: \*\*\*\*\*  
Name \*\*\*\*\*

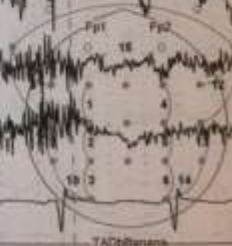
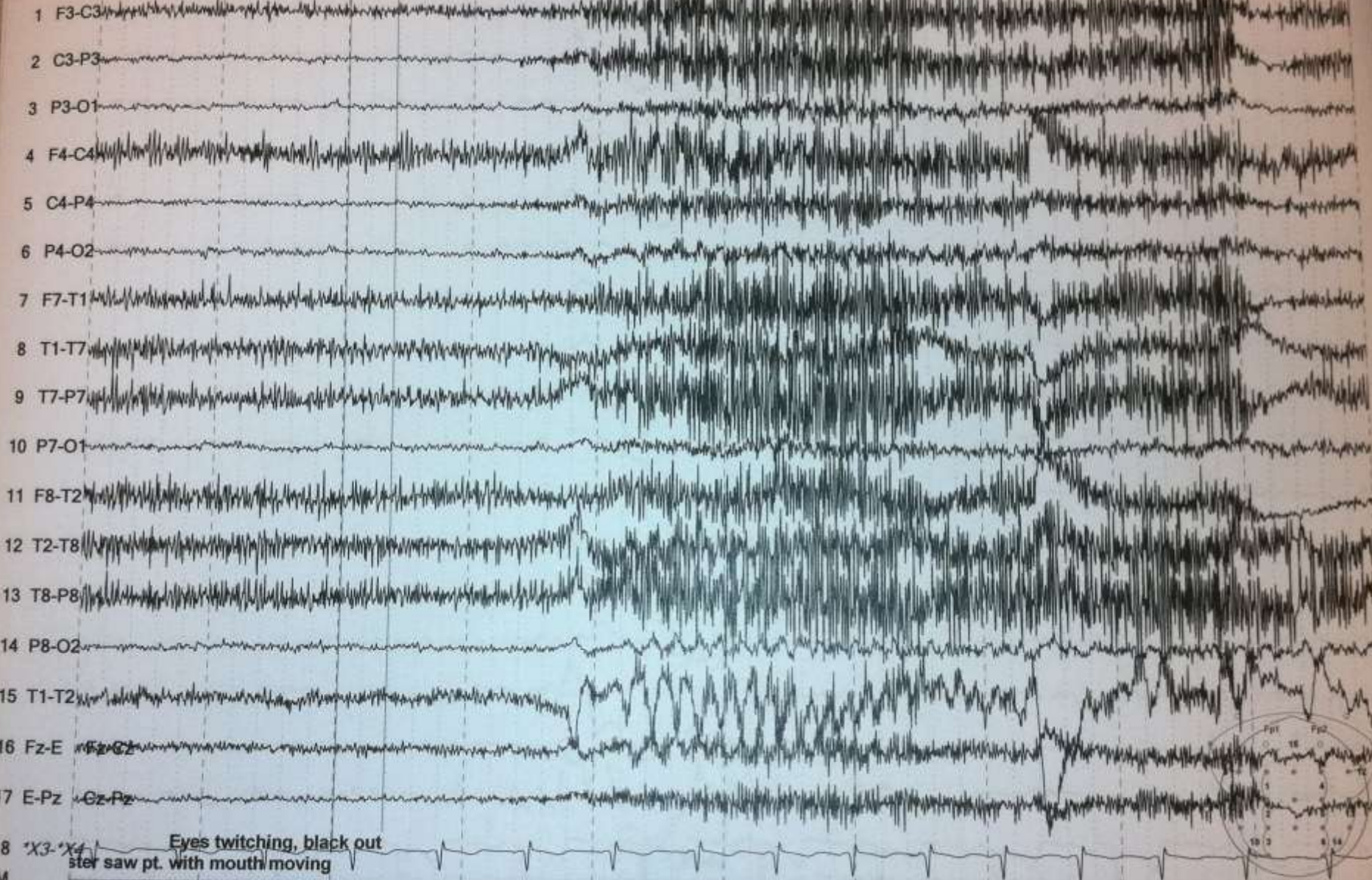


M Scale 83%

5

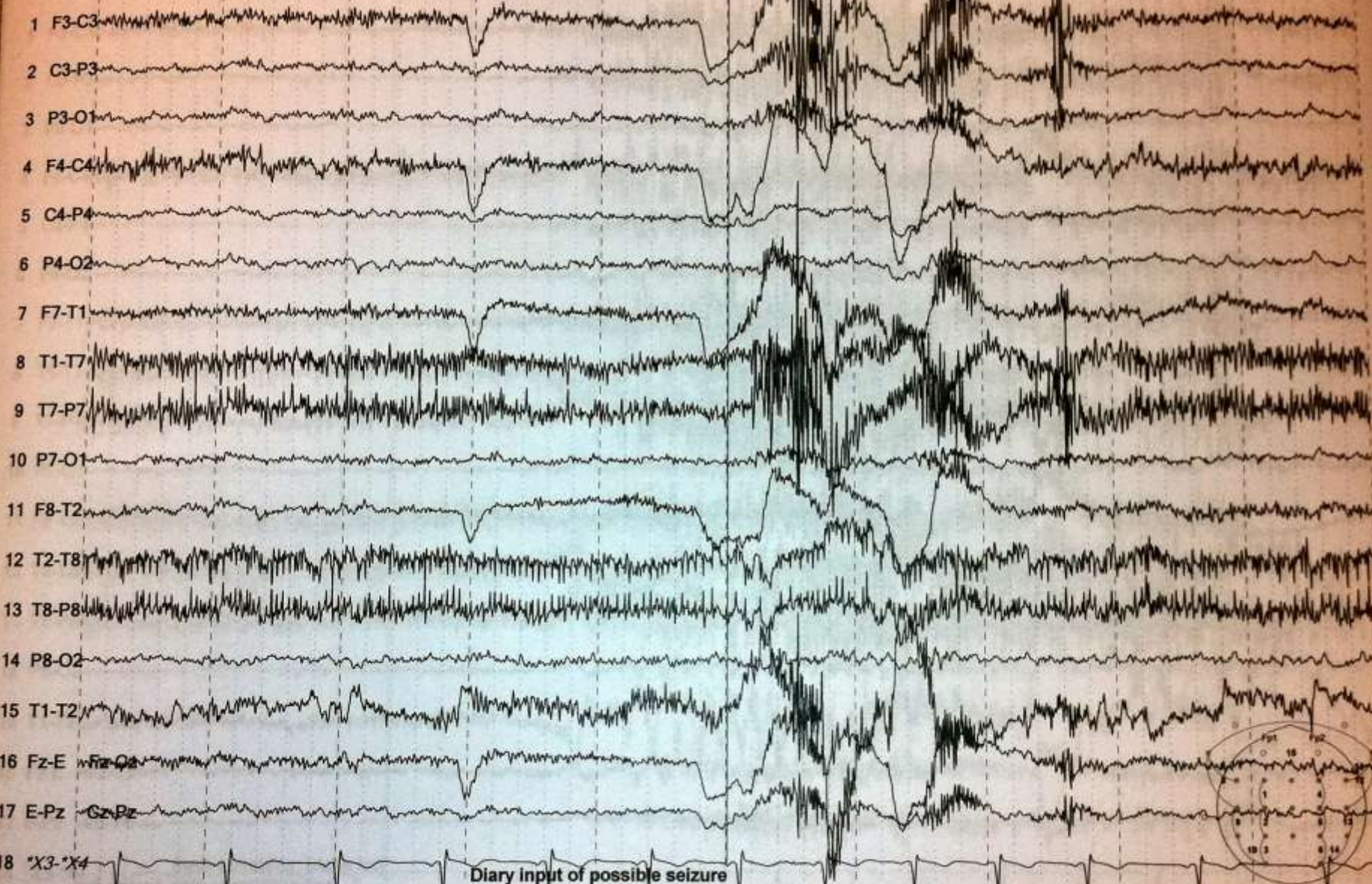
10



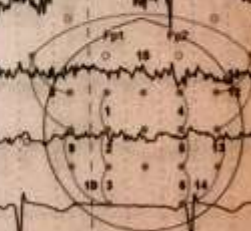




x1



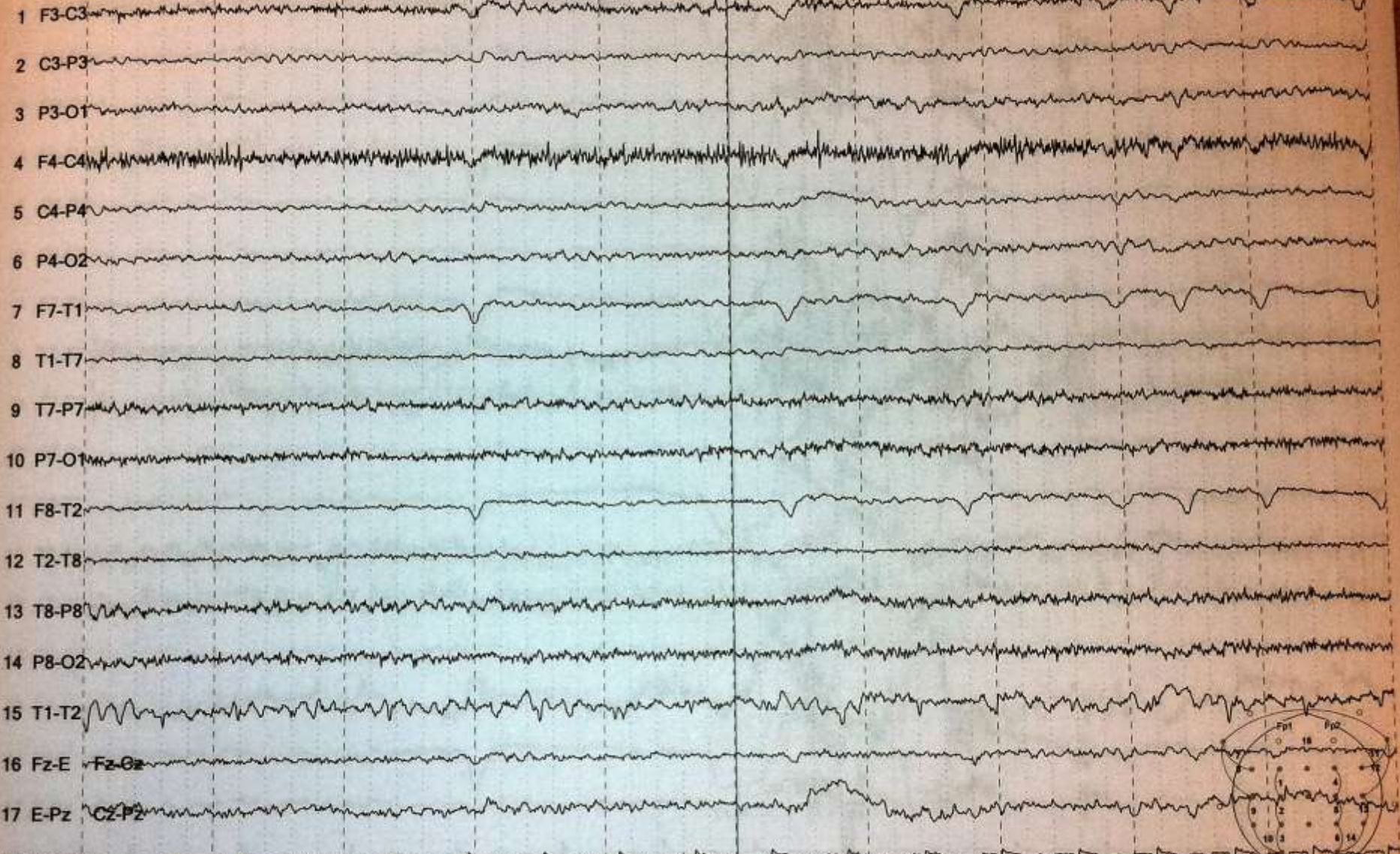
Diary input of possible seizure



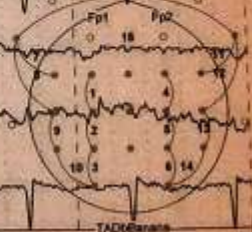


SENS 21:16:18[0010:03:44] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]  
70uV Patt. \*TADbBanana ACfilt. \*OFF Refer. \*OFF Reset \*OFF  
x1

EEG.Date: 8/3/2011 ID: .....  
Name .....



Watching TV





SENS 16:43:59[0005:55:38] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]

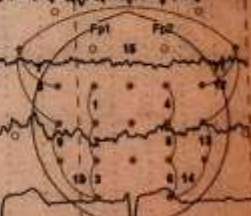
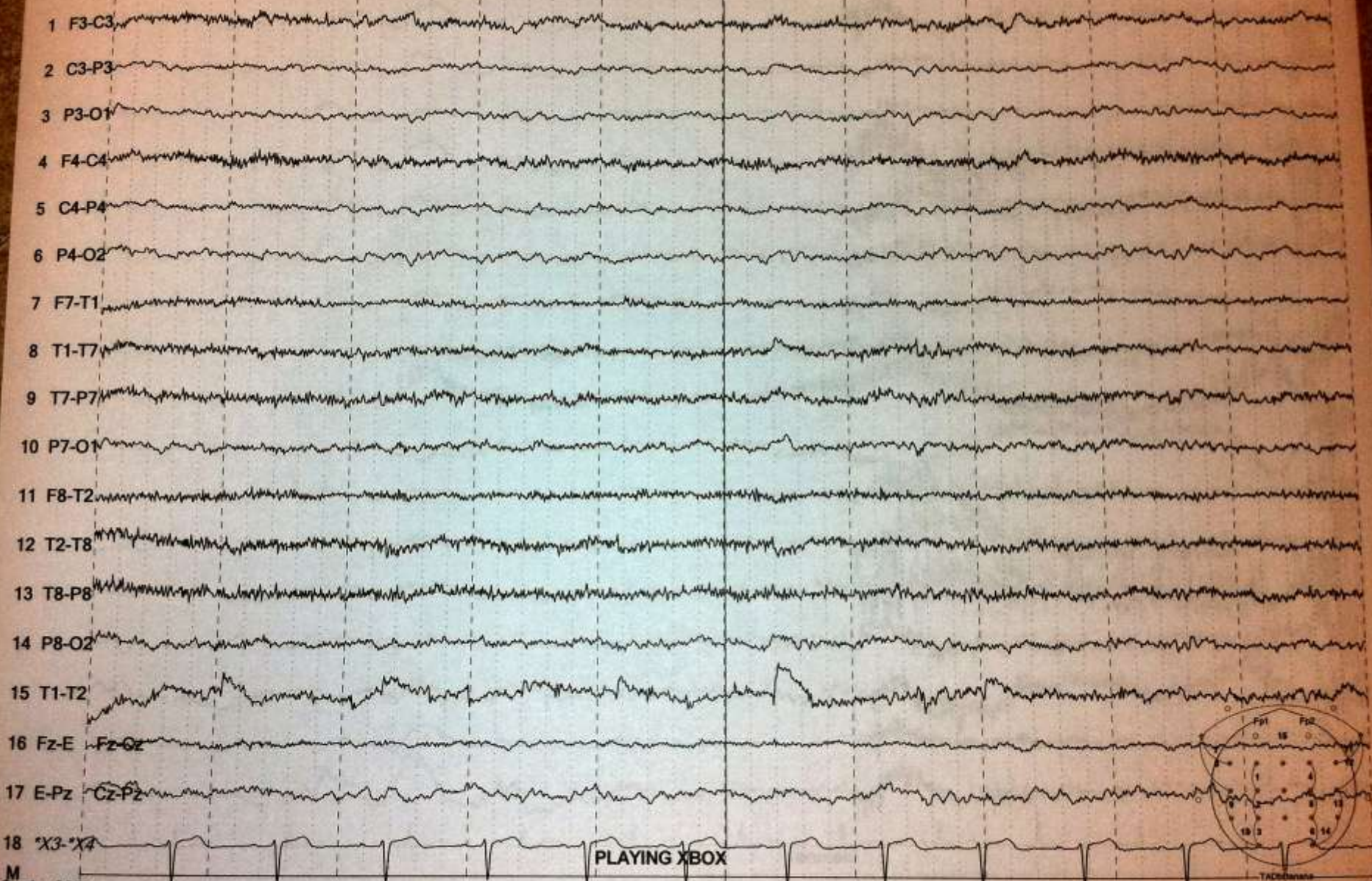
EEG.Date: 6/6/2011

ID: .....

70uV Patt. \*TADbBanana ACfilt. \*ON Refer. \*OFF Reset \*OFF

Name .....

x1



M Scale 83%

PLAYING XBOX

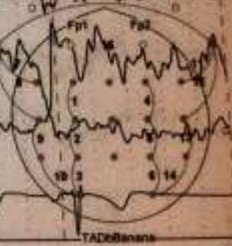
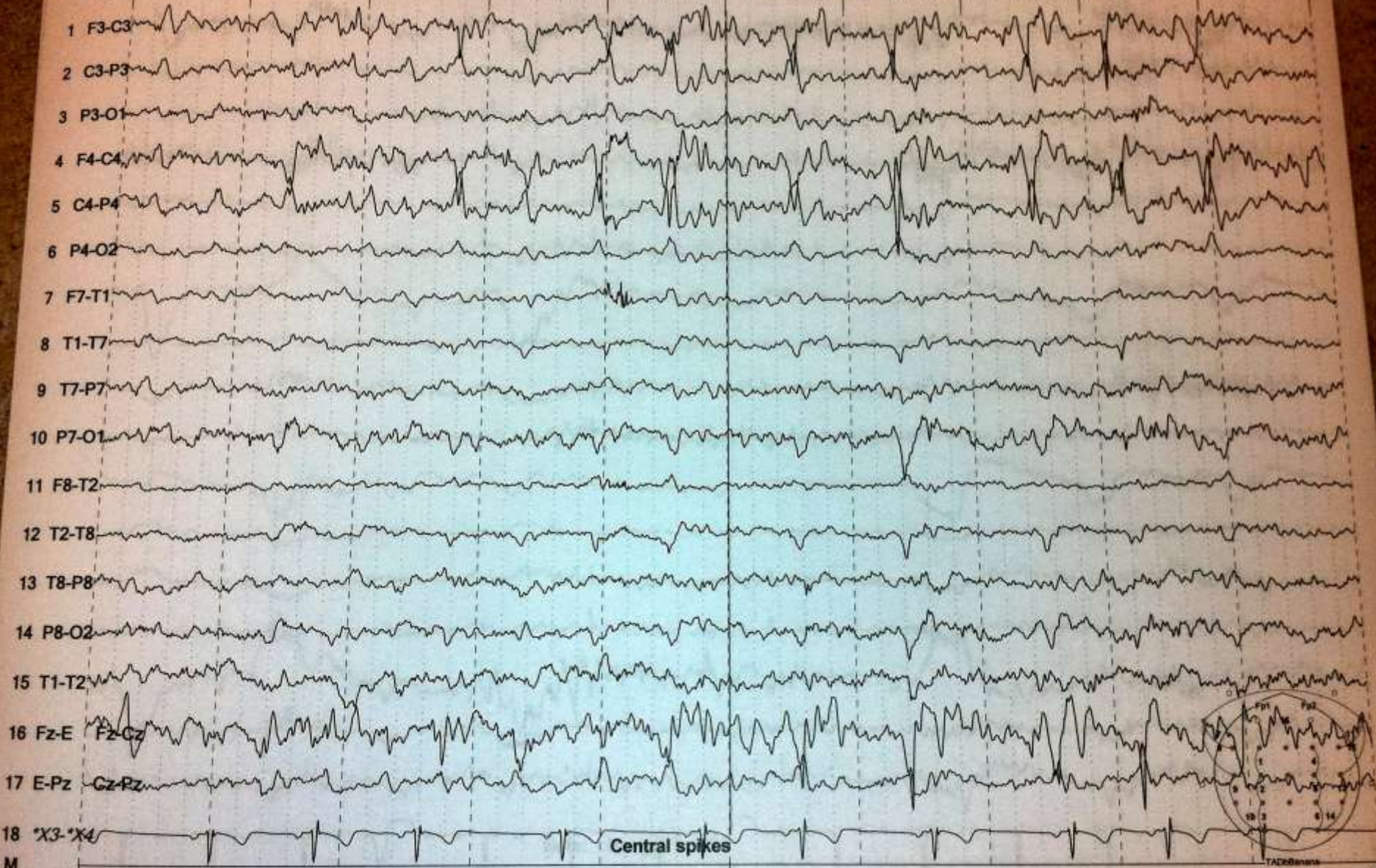


SENS 16:19:33[0000:46:39] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]  
70uV Patt. \*TADbBanana ACFlit. \*OFF Refer. \*OFF Reset \*OFF  
x1

EEG Date: 8/17/2011

ID: .....

Name .....



Central spikes



SENS 01:34:23[0015:31:42] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]

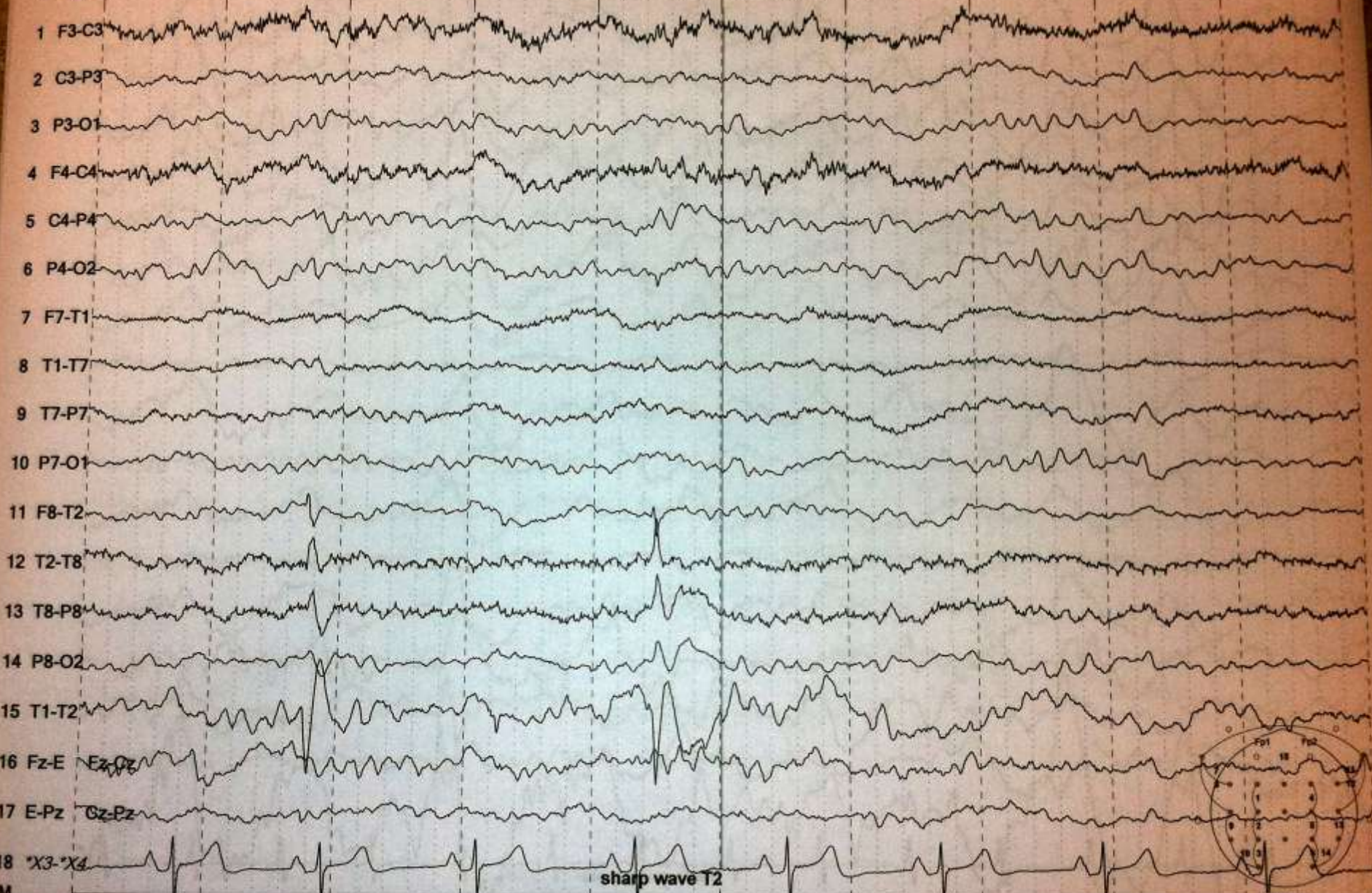
EEG.Date: 6/29/2011

ID: .....

70uV Patt. \*TADbBanana ACfilt. \*ON Refer. \*OFF Reset \*OFF

Name .....

x1



M Scale 83%

5

10



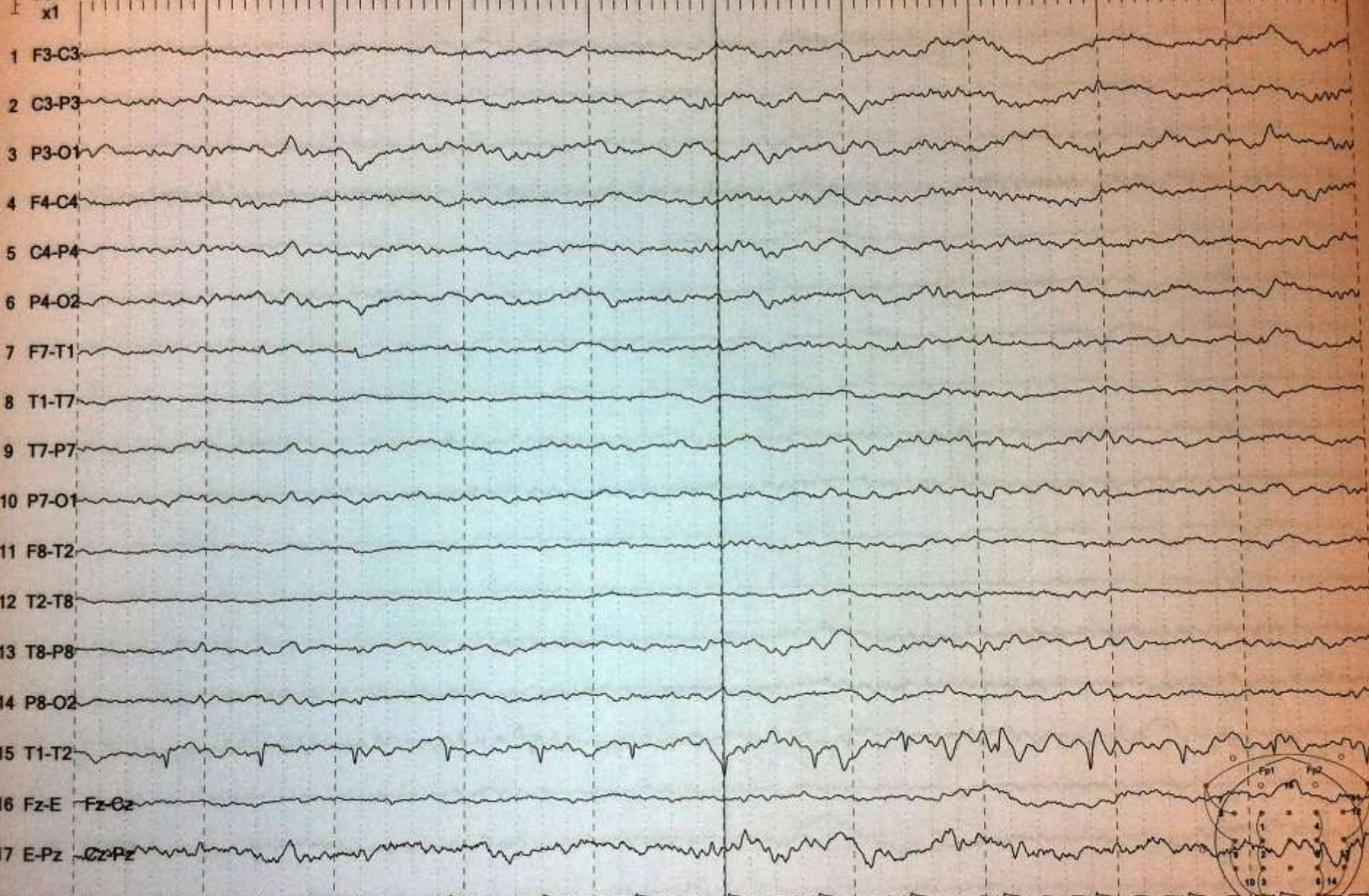
SENS 16:27:14[0005:14:40] [SENS \*7 HF \*70 LF \*0.53 CAL \*50]

EEG.Date: 8/3/2011

ID: .....

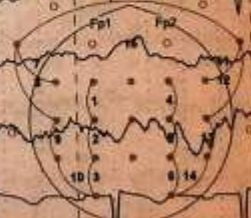
70uV Patt. \*TADbBanana ACfilt. \*OFF Refer. \*OFF Reset \*OFF

Name .....



Rest period

5



TADbBanana

M Scale 83%

10