

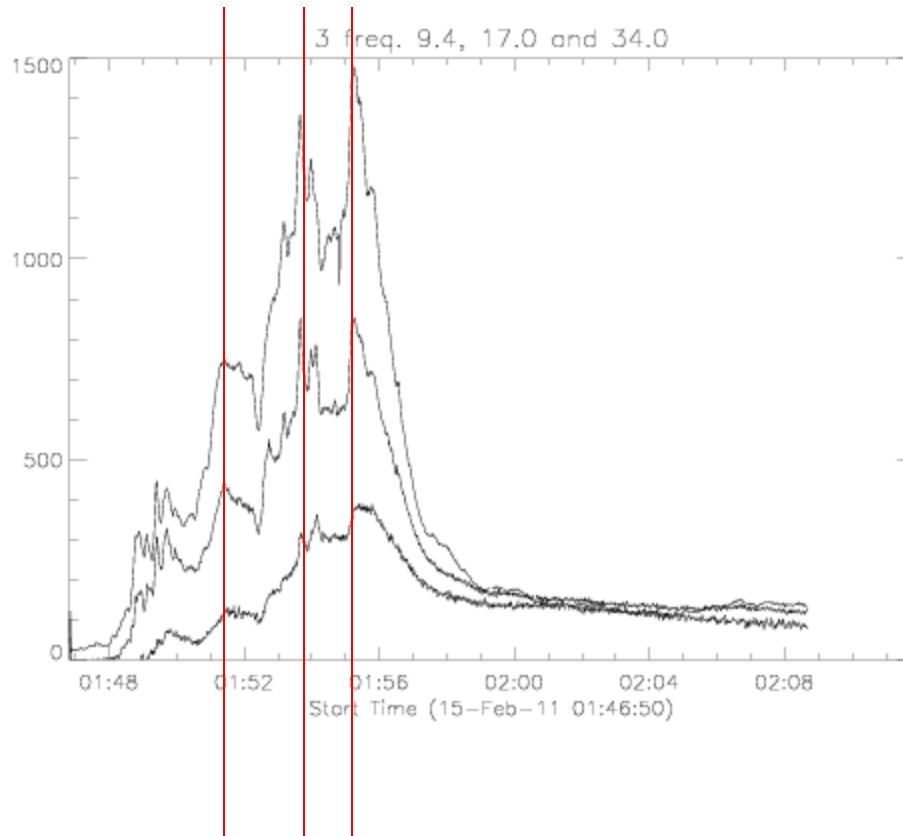
CDAW14

power index at radio regime

(は)

data

- `/share/norp/xdr/2011/02/norp20110215_0154.xdr`

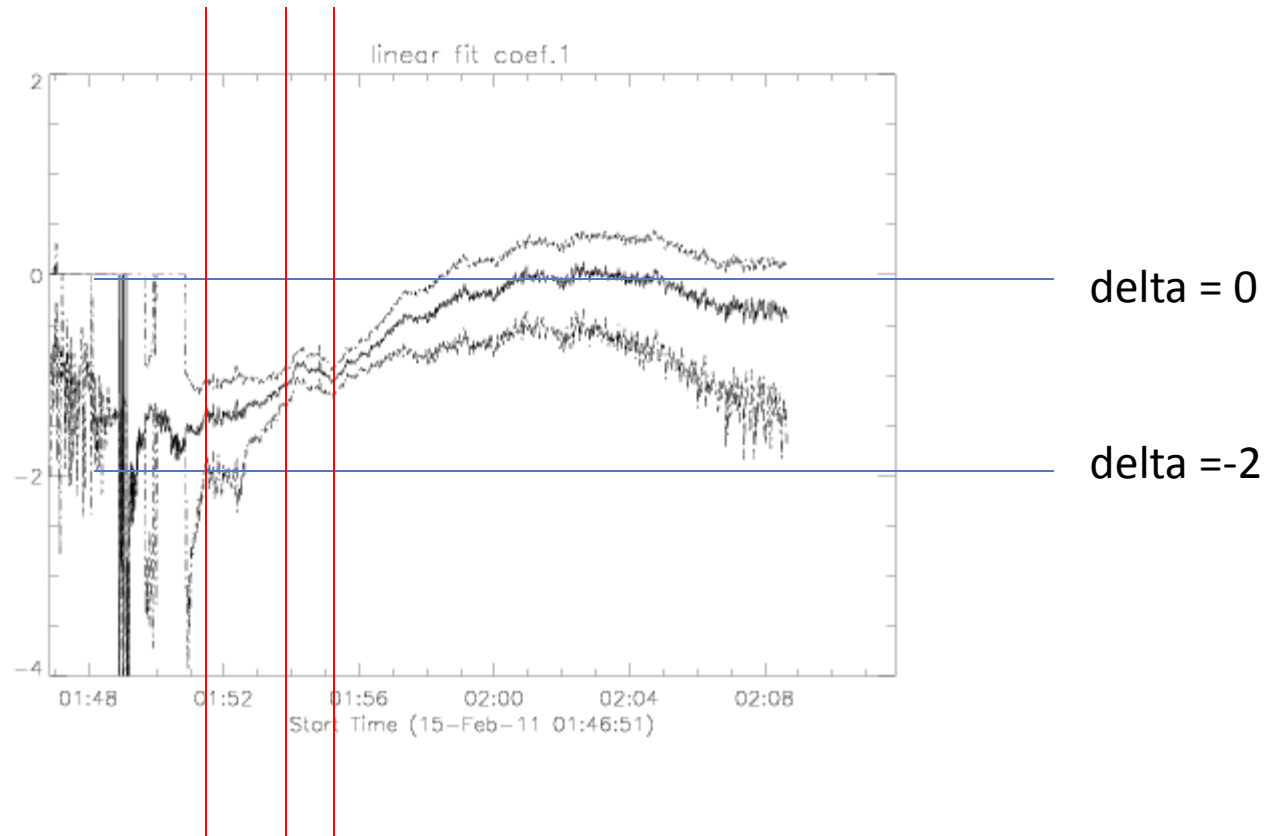


Fitting for 3 frequencies out of 7

- 9.4, 17.0 and 34.0 GHz
- To find power-law index, delta, fitting $I(f) = I_0 * f^{\delta}$
- By taking logarithm for frequency (GHz) and intensity (sfu), unit and other normalization factors be absorbed by linear fitting coef.
 - $\log(I') = \log(I_0) + \delta * \log(f)$
- Subtracting average(s) at each frequency before taking logarithm etc.
 - $I' = I - I_{ave} * (1.0 + 0.025 * \{-1, 0, 1\})$;
- Record max. & min. of linear fitting coef., a0 and a1, among 3x3x3 fittings, for error estimation.

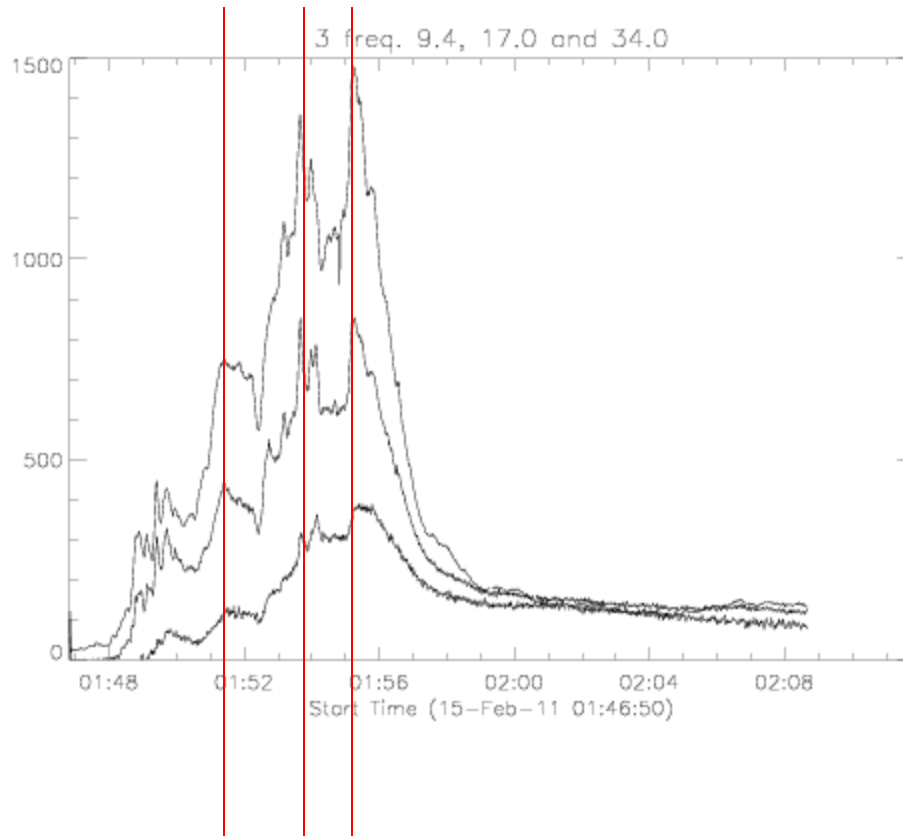
Result 1 of 2 : delta, power index

- Incoef(1,*)



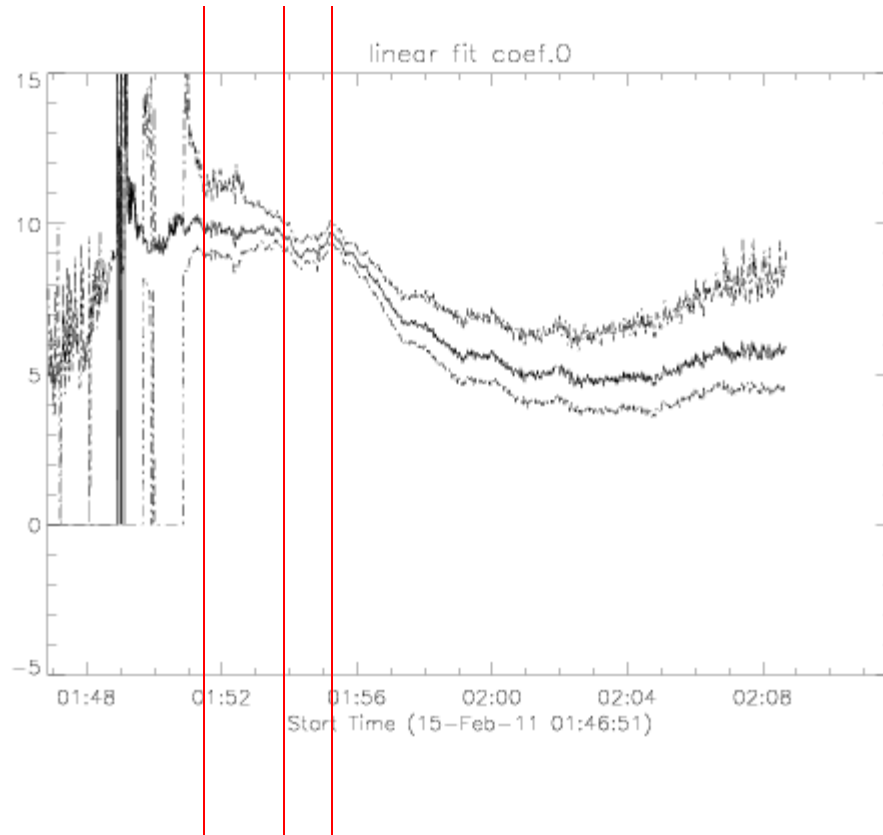
data

- `/share/norp/xdr/2011/02/norp20110215_0154.xdr`



Result 2 of 2 : 10

- Incoef(0,*)



Output data & code

- /scr/web/htdocs/meeting/cdaw14/grp1/hayashi/norp_powerlaw/
- nobeyama_hempa.working.pro
- cdaw14_norp3_2011feb15_all.sav
- fiav3.sav : logarithm of flux intensities, $\log(I')$
- freq3.sav : logarithm of 3 frequencies, $\log(f)$
- Incoef.sav : linear fitting coefficients
- timav.sav : time
- *.ps *.pdf : supplemental files, omake