

PROJECT PRESENTATION

**Emerging trends in Ocean Observations
and Ocean Data Analysis**

GROUP 8

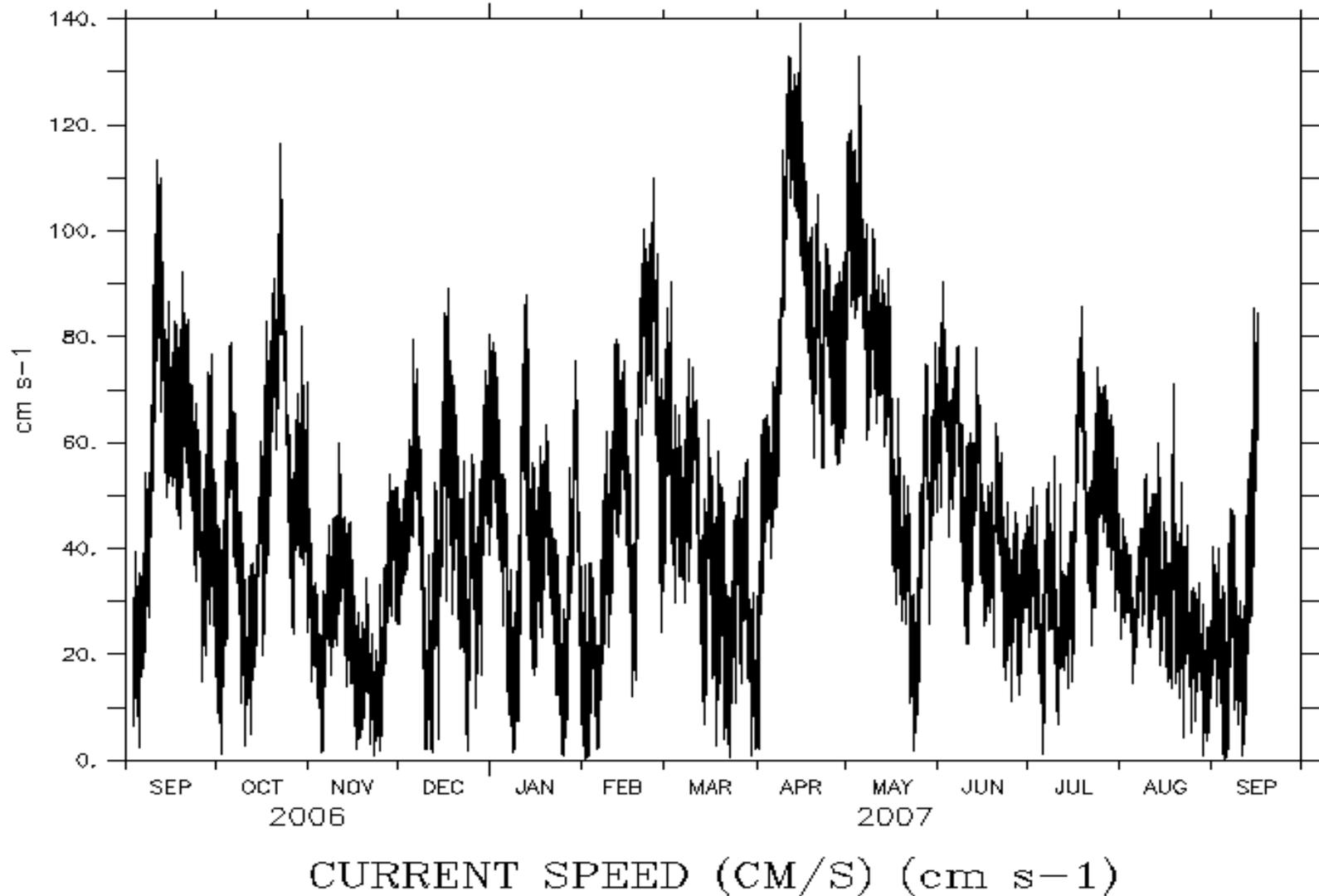
INCOIS 15th July 2016

DATA ANALYZED

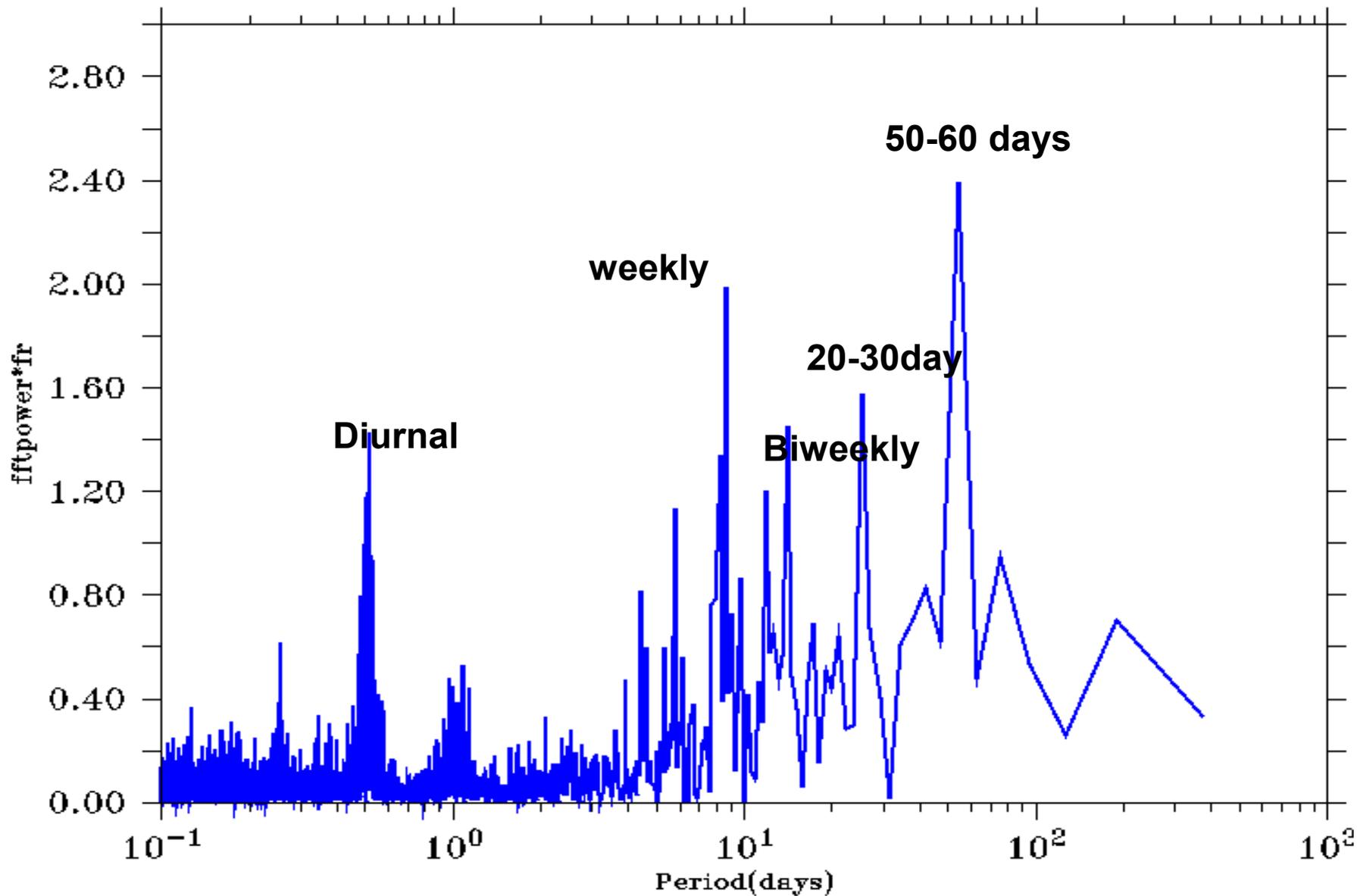
LONGITUDE : 80.5E
LATITUDE : 1.5N
DEPTH (m) : 10

FERRET Ver 0.85
NOAA/PMEL TRAP
14-JUL-2015 23:40:4

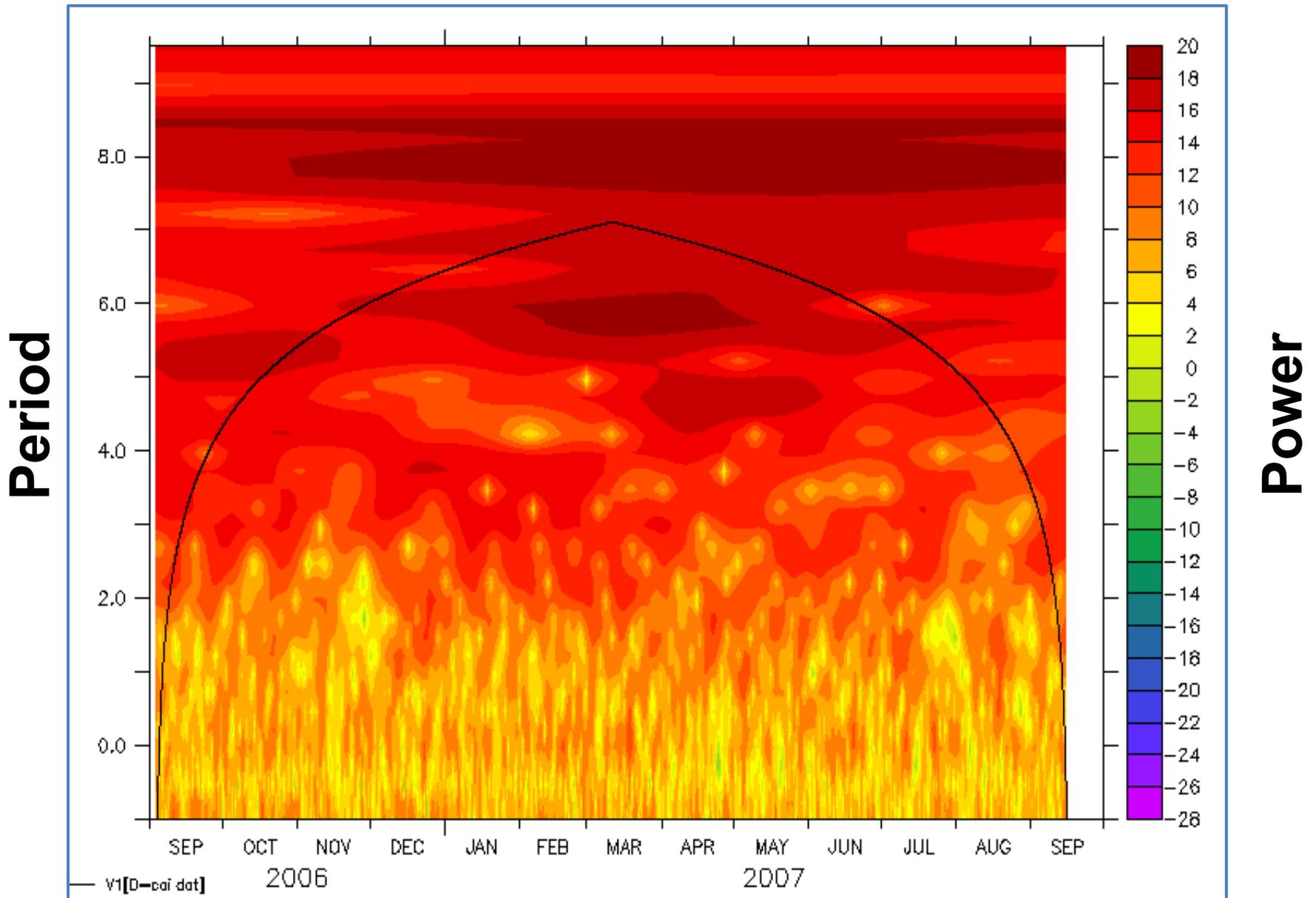
DATA SET: cur1.5n80.5e_10m



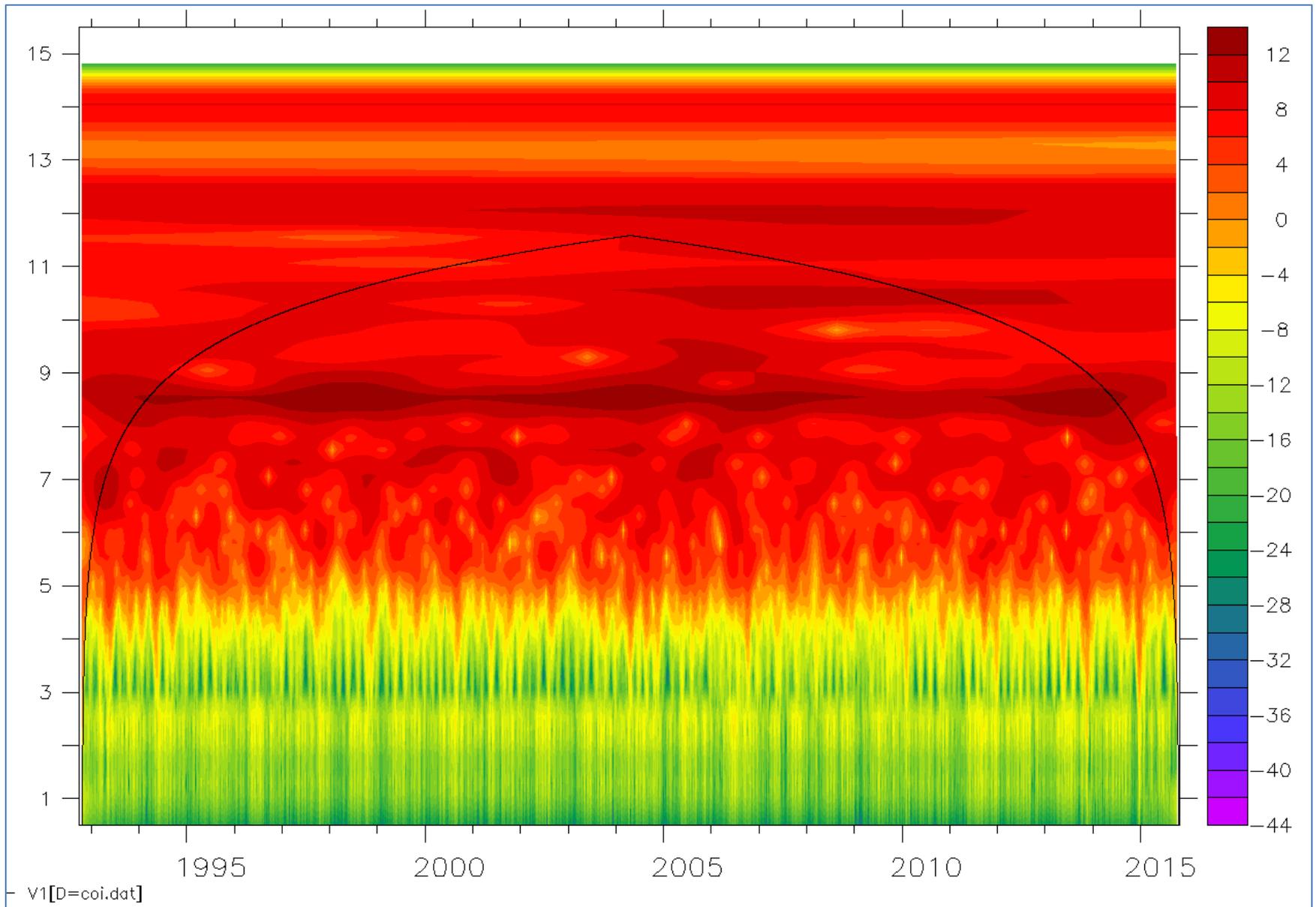
FAST FOURIER TRANSFORM OF CS_300



WAVELET ANALYSIS_CS_300



WAVELET OF OSCAR IN ARABIAN SEA

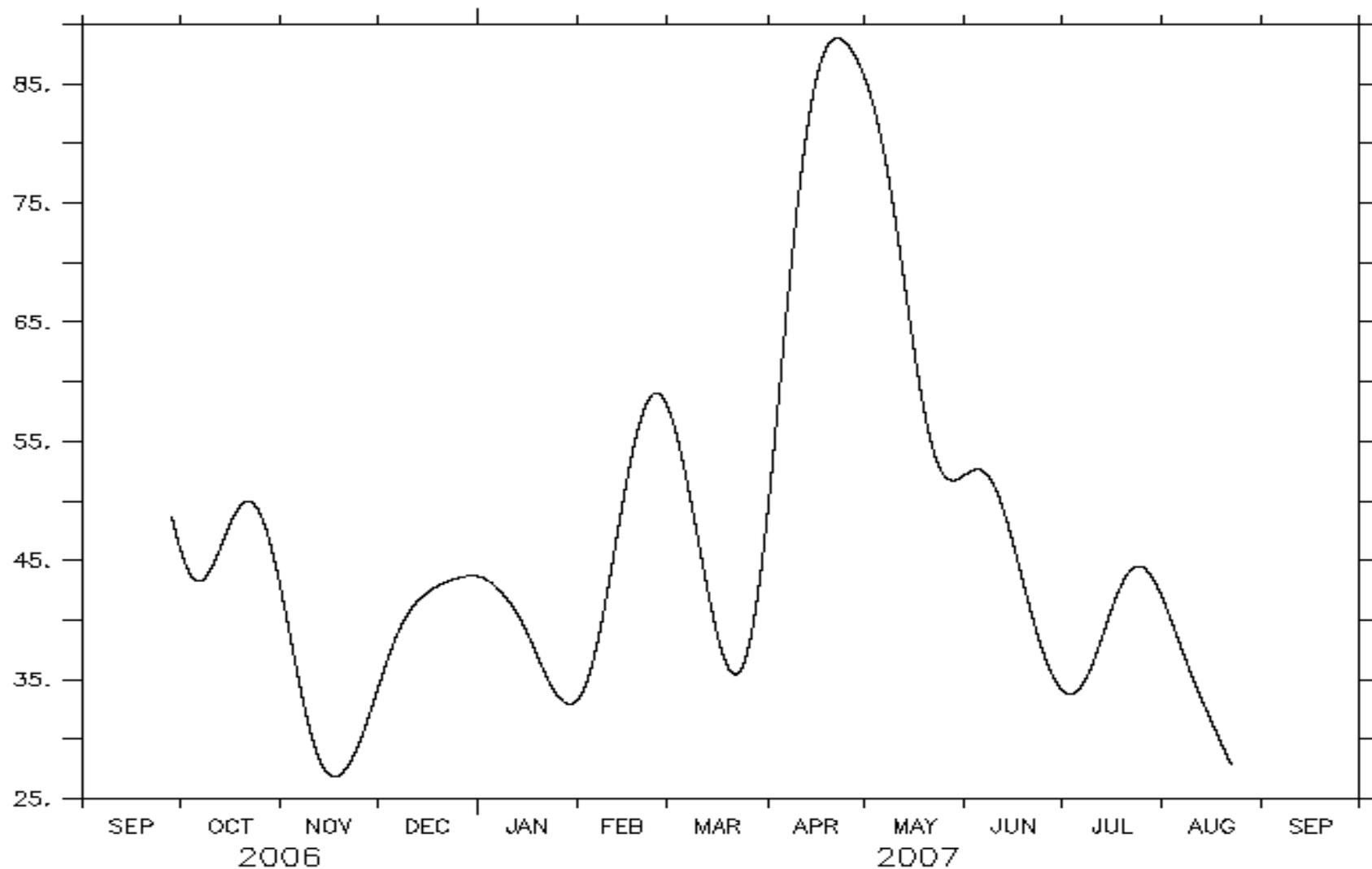


LOW PASS OF CS_300

LONGITUDE : 80.5E
LATITUDE : 1.5N
DEPTH (m) : 10

NOAA/FMEL TIME
14-JUL-2016 20:45

DATA SET: cur1.5n80.5e_10m_cs_cd



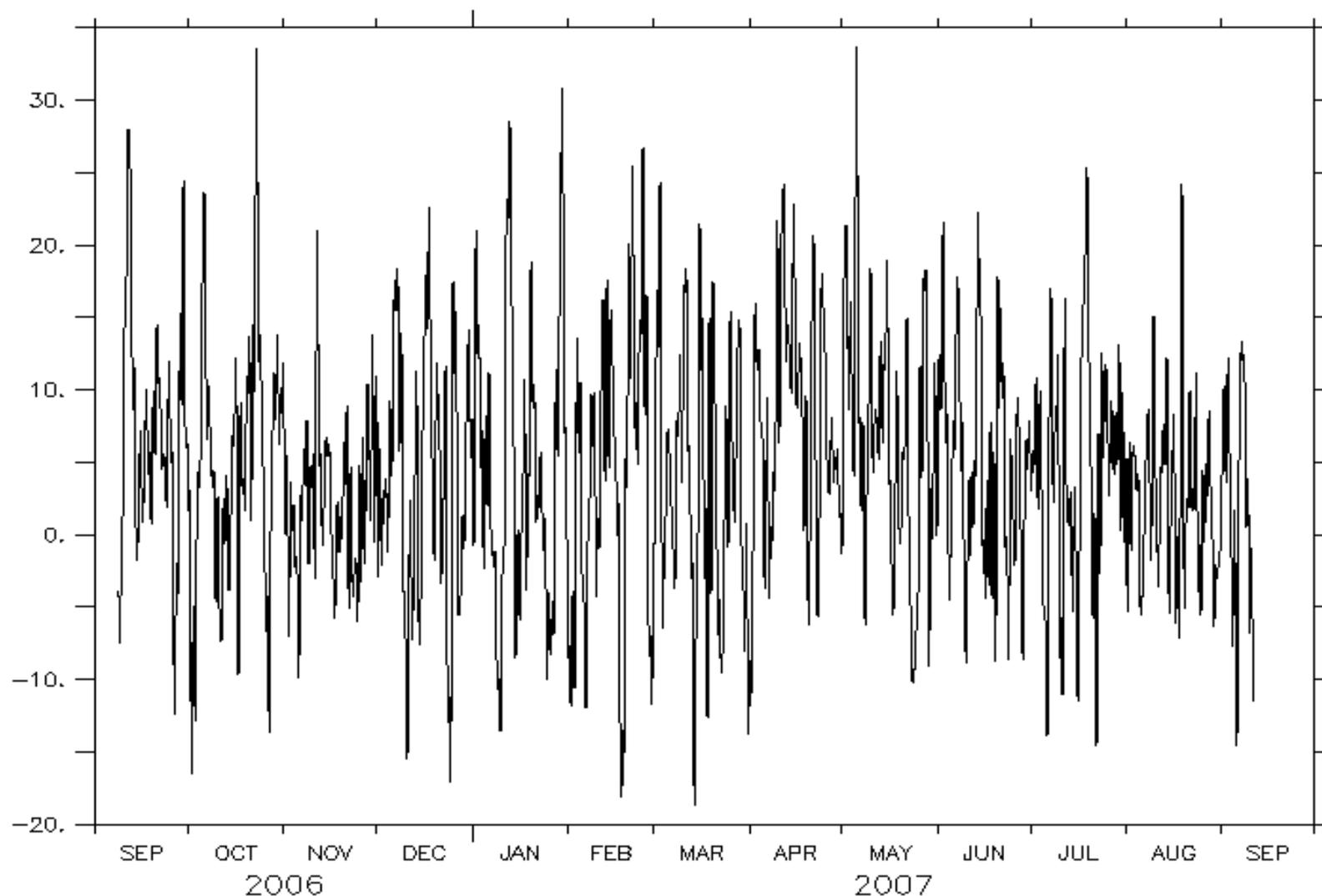
LSL_LOWPASS(CS,F1,N)

BAND PASS OF CS_300(10DAYS)

LONGITUDE : 80.5E
LATITUDE : 1.5N
DEPTH (m) : 10

15-JUL-2018 09:44:1

DATA SET: filter_band



LANCZOS(CS,F1,F2,N) (X=80.5E, Y=1.5N, Z=10, T=03-SEP-2006 12:00:16-SEP-2007 13:00)

THANK YOU

SUMMARY

FFT – To identify the peaks

Wavelet – to identify the wavelet power with respect to the period

Low pass – to identify the magnitude after removing the maximum peak

Band Pass- to identify the intermediate oscillation between the high and low pass