Wave\_moments file:

jdy=x(:,1);%julian day

U=x(:,2);%true wind, PSD sonic (m/s)

Fpeak=x(:,3);%peak frequency of median of bins #21-23 wave spectras (out of 25), (Hz)

Sfp=x(:,4);%peak amplitude of wave spectra S(Fpeak), (m^2\*s)

Cpeak=x(:,5);%phase speed (g/2\*pi\*Fpeak), (m/s)

S04=x(:,6);% amplitude of wave spectra at 0.4Hz S(0.4) , (m^2\*s)

Fu=x(:,7);%frequency of sea and swell separation (g/2\*pi\*U), (Hz)

m0=x(:,8);% zeroth moment of the wave spectrum, (m^2)

m1=x(:,9);% first moment of the wave spectrum, (m^2\*Hz)

m2=x(:,10;% second moment of the wave spectrum, (m^2\*Hz^2)

m4=x(:,11);% fourth moment of the wave spectrum, (m^2\*Hz^3)

sigma=x(:,12);%standart deviation of bins #21-23 wave spectras (out of 25), (m^2)

m0\_hi=x(:,13);% zeroth moment of the high frequency part of the wave spectrum, (m^2)

m0\_sl=x(:,14);% zeroth moment of the slope spectrum, (m^2)

Wavespec\_dddhh file:

Frq1=x(:,1);%bin #21 frequency of the wave spectra

Spec1=x(:,2);%bin #21 wave spectra

Frq2=x(:,3);%bin #22 frequency of the wave spectra

Spec2=x(:,4);%bin #22 wave spectra

Frq3=x(:,5);%bin #23 frequency of the wave spectra

Spec3=x(:,6);%bin #23 wave spectra

Sl\_frq= x(:,7);%slope between bin #20 and #22 frequency of the wave spectra

Sl\_spec= x(:,8);%slope between bin#20 and #22 wave spectra