## ■ Information:

Date : 20231020

Coil : Nova 8Tx/32Rx Head

## ■ Basic analysis parameters:

Matrix Size :  $150 \times 150$ 

Slices : 69

Resolution :  $1.47 \times 1.47 \times 1.73 \text{ mm}$ 

TR : 1159 ms

Ref Slice Num : 34
ROI width : 21
Total vols : 200
Analysis vols : 198

## ■ QA metrics

Mean Signal Intensity : 2107.840 Peak Frequency : 0.0697 Hz STD of Detrended Signal : 1.488 : 122.852 SNR TFN : 16.544 SFNR : 127.859 tSNR : 122.647 Percent Fluctuation : 0.071 % Drift : 0.647 % Drift Fit : 0.420 %

RDC : 11.283 pixel

Spectrum MAD : 19.005
Ghost Rate : 3.663 %
Background Noise Rate : 1.306 %

## ■ Notice

```
DIFF = Difference between Odd-volumes and Even-volumes
```

SNR = Signal-to-Noise Ratio

= (mean signal)/(standard deviation of DIFF)

TFN = standard deviation of detrended signal

SFNR = Signal-to-Fluctuation-Noise Ratio

= (mean signal)/(standard deviation of detrended signal)

tSNR = temporal Signal-to-Noise Ratio

= (mean signal)/(standard deviation of signal)

Percent Fluctuation = (STD of residuals of 2nd-fit-time-series)/(mean signal)

Drift = (max - min)/(mean signal)

Drift Fit = (maxfit - minfit)/(mean signal)

CV = Coefficient of VarianceRDC = Radius of DeCorrelation, CV(1)/CV(max)

MAD = Median Absolute Deviation = (max)/(median of Absolute Deviation)

Ghost Rate = (mean ghost)/(mean signal)

Background Rate = (mean background)/(mean signal)



