

Hello World!

The multi-byte quantities are laid out in a LSB FIRST (little endian) fashion

Compressed_spectral_matrix_f0 :

Number of bins: 1

Number of values per spectral matrix: 25

Size of compressed_spectral_matrix_f0 : 100

Bin number: 0

| | | |
|----------------------------|------------------------|---------------------|
| Element 01 (S11) (00 & --) | => Re: 4.00109575e+06 | Im: 0.00000000e+00 |
| Element 02 (S12) (01 & 02) | => Re: -2.19891187e+03 | Im: 1.73193325e+06 |
| Element 03 (S13) (03 & 04) | => Re: 1.88106079e+03 | Im: -1.00001638e+06 |
| Element 04 (S14) (05 & 06) | => Re: 6.23724854e+02 | Im: 2.00016860e+07 |
| Element 05 (S15) (07 & 08) | => Re: -3.46422920e+07 | Im: -1.44333826e+03 |
| Element 06 (S22) (09 & --) | => Re: 7.54424812e+05 | Im: 0.00000000e+00 |
| Element 07 (S23) (10 & 11) | => Re: -4.36785375e+05 | Im: 2.34538879e+02 |
| Element 08 (S24) (12 & 13) | => Re: 8.65882200e+06 | Im: -3.31611108e+03 |
| Element 09 (S25) (14 & 15) | => Re: 2.71719702e+03 | Im: 1.50027590e+07 |
| Element 10 (S33) (16 & --) | => Re: 2.53229094e+05 | Im: 0.00000000e+00 |
| Element 11 (S34) (17 & 18) | => Re: -4.99895450e+06 | Im: 2.90329712e+03 |
| Element 12 (S35) (19 & 20) | => Re: -2.17048022e+03 | Im: -8.66275100e+06 |
| Element 13 (S44) (21 & --) | => Re: 1.00002952e+08 | Im: 0.00000000e+00 |
| Element 14 (S45) (22 & 23) | => Re: -2.94739111e+03 | Im: 1.73206224e+08 |
| Element 15 (S55) (24 & --) | => Re: 3.00003392e+08 | Im: 0.00000000e+00 |

BP1 :

Number of bins: 1

nbitemp : 6, expmax : 37, expmin : -26

nbitemp : 10, rangesig : 1023

Bin number: 0

PSDB : 5.00874950e+06

significand : 5.97089469e-01

exponent : 23

psd for PSDB significand : 199

exp for PSDB exponent : 49

pt_uint8[1] for PSDB exponent + significand: 196 or c4

pt_uint8[0] for PSDB significand: 199 or c7

lfr_bp1[i*NB_BYTES_BP1+2] : 196 or c4

lfr_bp1[i*NB_BYTES_BP1+3] : 199 or c7

PSDE : 2.26797168e+08

significand : 8.44885290e-01

exponent : 28

psd for PSDE significand : 706

exp for PSDE exponent : 54

pt_uint8[1] for PSDE exponent + significand: 218 or da

pt_uint8[0] for PSDE significand: 194 or c2

lfr_bp1[i*NB_BYTES_BP1+0] : 218 or da

lfr_bp1[i*NB_BYTES_BP1+1] : 194 or c2

NVEC_V0 : 1.17274933e-04

NVEC_V1 : 5.00031590e-01

NVEC_V2 : 8.66007149e-01

lfr_bp1[i*NB_BYTES_BP1+4] for NVEC_V0 : 128

lfr_bp1[i*NB_BYTES_BP1+5] for NVEC_V1 : 191

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lfr_bp1[i*NB_BYTES_BP1+6] for NVEC_V2 : 0
ellipticity : 7.98565149e-01
tmp_uint8 for ellipticity : 12
lfr_bp1[i*NB_BYTES_BP1+6] for NVEC_V2 + ellipticity : 96
DOP : 9.96131897e-01
tmp_uint8 for DOP : 7
lfr_bp1[i*NB_BYTES_BP1+6] for NVEC_V2 + ellipticity + DOP : 103
ReaSX : -4.64141500e+06
|ReaSX| : 4.64141500e+06
significand : 5.53299785e-01
exponent : 23
tmp_uint8 for ReaSX exponent : 49
lfr_bp1[i*NB_BYTES_BP1+7] for ReaSX sign + ReaSX exponent : 177
lfr_bp1[i*NB_BYTES_BP1+8] for ReaSX significand : 27
ImaSX : -5.73210880e+07
|ImaSX| : 5.73210880e+07
ArgSX sign : 64
lfr_bp1[i*NB_BYTES_BP1+7] for ReaSX & ArgSX signs + ReaSX exponent :
241
n_cross_e_scal_b_re : 9.66053400e+06
n_cross_e_scal_b_im : -2.58822950e+06
|VPHI| : 1.02704735e+01
significand : 6.41904593e-01
exponent : 4
tmp_uint8 for VPHI exponent : 30
lfr_bp1[i*NB_BYTES_BP1+9] for VPHI sign + VPHI exponent : 30
lfr_bp1[i*NB_BYTES_BP1+10] for VPHI significand : 72
|n_cross_e_scal_b_im| : 2.58822950e+06
|n_cross_e_scal_b_im|/bx_bx_star : 2.75164318e+00
ArgNEBX sign : 0
lfr_bp1[i*NB_BYTES_BP1+9] for VPHI & ArgNEBX signs + VPHI exponent : 30

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BP2 :
Number of bins: 1
nbitexp : 6, expmax : 37, expmin : -26
nbitsig : 10, rangesig : 1023

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Bin number: 0
lfr_bp2[i*NB_BYTES_BP2+10] for cross12_re ( -1.26564049e-03) : 127
lfr_bp2[i*NB_BYTES_BP2+20] for cross12_im ( 9.96858895e-01) : 255
lfr_bp2[i*NB_BYTES_BP2+11] for cross13_re ( 1.86877302e-03) : 128
lfr_bp2[i*NB_BYTES_BP2+21] for cross13_im ( -9.93483901e-01) : 001
lfr_bp2[i*NB_BYTES_BP2+12] for cross14_re ( 3.11815129e-05) : 128
lfr_bp2[i*NB_BYTES_BP2+22] for cross14_im ( 9.99932587e-01) : 255
lfr_bp2[i*NB_BYTES_BP2+13] for cross15_re ( -9.99894261e-01) : 000
lfr_bp2[i*NB_BYTES_BP2+23] for cross15_im ( -4.16596449e-05) : 127
lfr_bp2[i*NB_BYTES_BP2+14] for cross23_re ( -9.99317050e-01) : 000
lfr_bp2[i*NB_BYTES_BP2+24] for cross23_im ( 5.36599255e-04) : 128
lfr_bp2[i*NB_BYTES_BP2+15] for cross24_re ( 9.96883571e-01) : 255
lfr_bp2[i*NB_BYTES_BP2+25] for cross24_im ( -3.81781341e-04) : 127
lfr_bp2[i*NB_BYTES_BP2+16] for cross25_re ( 1.80613439e-04) : 128
lfr_bp2[i*NB_BYTES_BP2+26] for cross25_im ( 9.97240901e-01) : 255
lfr_bp2[i*NB_BYTES_BP2+17] for cross34_re ( -9.93381321e-01) : 001
lfr_bp2[i*NB_BYTES_BP2+27] for cross34_im ( 5.76936873e-04) : 128
lfr_bp2[i*NB_BYTES_BP2+18] for cross35_re ( -2.49020959e-04) : 127
lfr_bp2[i*NB_BYTES_BP2+28] for cross35_im ( -9.93884504e-01) : 001

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lfr_bp2[i*Nb_BYTES_BP2+19] for cross45_re ( -1.70164221e-05) : 127
lfr_bp2[i*Nb_BYTES_BP2+29] for cross45_im ( 9.99986172e-01) : 255
S11      : 4.00109575e+06
significand : 9.53935564e-01
exponent   : 22
autocor for S11 significand : 929
exp for S11 exponent : 48
pt_uint8[1] for S11 exponent + significand : 195 or c3
pt_uint8[0] for S11      significand : 161 or a1
lfr_bp2[i*Nb_BYTES_BP2+0] : 195 or c3
lfr_bp2[i*Nb_BYTES_BP2+1] : 161 or a1
S22      : 7.54424812e+05
significand : 7.19475567e-01
exponent   : 20
autocor for S22 significand : 449
exp for S11 exponent : 46
pt_uint8[1] for S22 exponent + significand : 185 or b9
pt_uint8[0] for S22      significand : 193 or c1
lfr_bp2[i*Nb_BYTES_BP2+2] : 185 or b9
lfr_bp2[i*Nb_BYTES_BP2+3] : 193 or c1
S33      : 2.53229094e+05
significand : 9.65992332e-01
exponent   : 18
autocor for S33 significand : 953
exp for S33 exponent : 44
pt_uint8[1] for S33 exponent + significand : 179 or b3
pt_uint8[0] for S33      significand : 185 or b9
lfr_bp2[i*Nb_BYTES_BP2+4] : 179 or b3
lfr_bp2[i*Nb_BYTES_BP2+5] : 185 or b9
S44      : 1.00002952e+08
significand : 7.45080054e-01
exponent   : 27
autocor for S44 significand : 501
exp for S44 exponent : 53
pt_uint8[1] for S44 exponent + significand : 213 or d5
pt_uint8[0] for S44      significand : 245 or f5
lfr_bp2[i*Nb_BYTES_BP2+6] : 213 or d5
lfr_bp2[i*Nb_BYTES_BP2+7] : 245 or f5
S55      : 3.00003392e+08
significand : 5.58799863e-01
exponent   : 29
autocor for S55 significand : 120
exp for S55 exponent : 55
pt_uint8[1] for S55 exponent + significand : 220 or dc
pt_uint8[0] for S55      significand : 120 or 78
lfr_bp2[i*Nb_BYTES_BP2+8] : 220 or dc
lfr_bp2[i*Nb_BYTES_BP2+9] : 120 or 78
Press <RETURN> to close this window...

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[tab_test2_R3_v2.0 – 19 juin 2015]