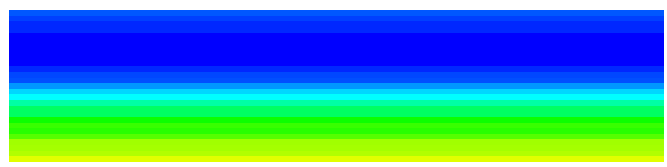
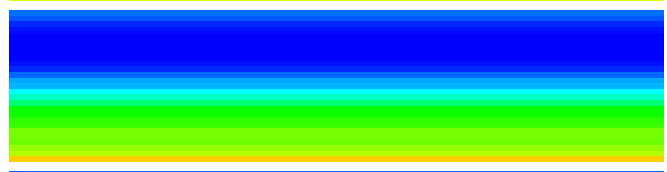
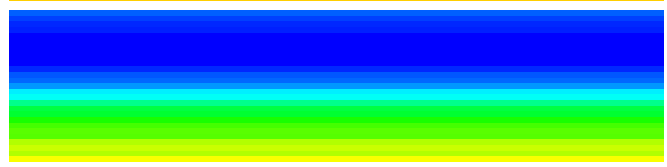
CLUSTER 1
AUTO-POWER
SPECTRUM OF Ant_1



CLUSTER 1
AUTO-POWER
SPECTRUM OF Ant_2



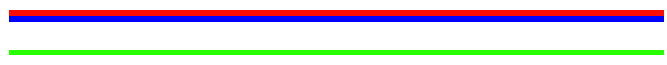
CLUSTER 1
AUTO-POWER
SPECTRUM OF Ant_3



CLUSTER 1
AUTO-POWER
SPECTRUM OF Ant_1

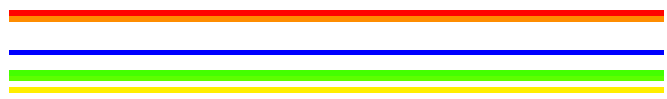
CLUSTER 1
AUTO-POWER
SPECTRUM OF Ant_2

CLUSTER 1
POLAR ANGLE
THETA
(Means, 1972)

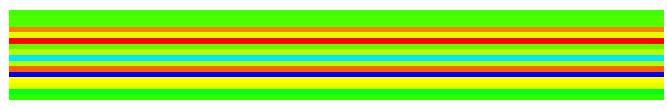


CLUSTER 1
POLAR ANGLE
THETA
(McPherron et al., 1972)

CLUSTER 1
POLAR ANGLE
THETA
(Samson and Olson, 1980)



CLUSTER 1
POLAR ANGLE
THETA
(SVD of the magnetic spectral matrix)



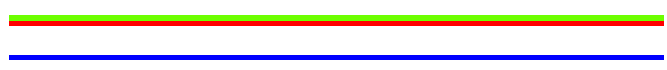
CLUSTER 1
POLAR ANGLE
THETA OF THE
POYNTING VECTOR
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
POLAR ANGLE THETA
(SVD of the spectral matrix 6x6 - E Ant_1 Ant_2)

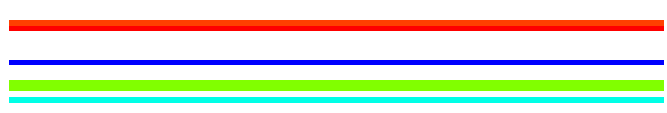
CLUSTER 1
POLAR ANGLE THETA
(SVD-T of the sp. matrix)
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
AZIMUTHAL
ANGLE PHI
(Means, 1972)

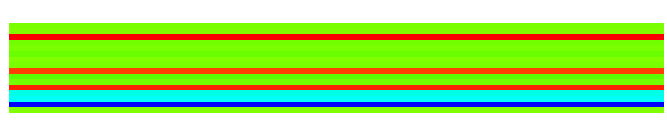
CLUSTER 1
AZIMUTHAL
ANGLE PHI
(McPherron et al., 1972)



CLUSTER 1
AZIMUTHAL
ANGLE PHI
(Samson and Olson, 1980)



CLUSTER 1
AZIMUTHAL
ANGLE PHI
(SVD of the magnetic spectral matrix)



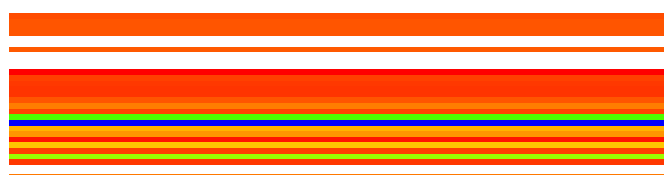
CLUSTER 1
AZIMUTHAL ANGLE
PHI OF THE
POYNTING VECTOR
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
AZIMUTHAL ANGLE PHI
(SVD of the spectral matrix 6x6 - E Ant_1 Ant_2)

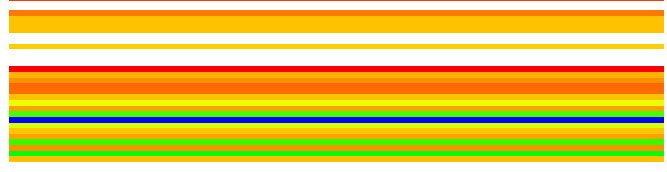
CLUSTER 1
AZIMUTHAL ANGLE PHI
(SVD-T of the sp. matrix)
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
ELLIPTICITY OF
POLARIZATION

(Samson and Olson, 1980)



CLUSTER 1
INDICATOR OF THE
SENSE OF
POLARIZATION
POS: RIGHT
NEG: LEFT



CLUSTER 1
NORMALIZED Z-
COMPONENT OF THE
POYNTING VECTOR
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

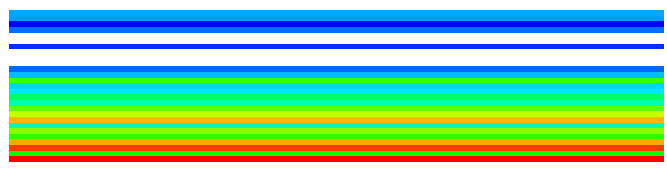
CLUSTER 1
IMPEDANCE
PHASE SHIFT
(SVD-T of the sp. matrix)
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
SPECTRAL DENSITY
OF THE POYNTING
FLUX
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
REFRACTIVE INDEX
(SVD of the spectral matrix 6x6 - E Ant_1 Ant_2)

CLUSTER 1
REFRACTIVE INDEX
(SVD-T of the sp. matrix)
FROM THE FARADAY'S
LAW (Ant_1 Ant_2)

CLUSTER 1
DEGREE OF
POLARIZATION
(Samson and Olson, 1980)



CLUSTER 1

	UT:	0007:30	0007:32
	X_{GSE} (R_E):	16.40	16.40
	Y_{GSE} (R_E):	9.95	9.95
	Z_{GSE} (R_E):	-1.45	-1.45
C1 delta x	(km):	-2873.6	-2873.6
C1 delta y	(km):	133.6	133.5
C1 delta z	(km):	1774.5	1774.4
C2 delta x	(km):	-81.8	-81.9
C2 delta y	(km):	-644.1	-644.1
C2 delta z	(km):	3392.9	3392.8
C3 delta x	(km):	0.0	0.0
C3 delta y	(km):	0.0	0.0