

FairmodePlanning Visualization Tool

JRC, ex-JRC, UnivStrb

Format FairmodePlanning input

"Model_CntrReg_YEARmm_SCENnn.nc" - netCDF file

Model = model name

CntrReg = Country/Region name

YEAR = year of simulation

mm = month number (01,02,...,12), or 00 for full year

nn = scenario number (see below)

Example: "CHIM_UPRHINE_200501_SCEN00.nc"

Model = CHIMERE

Region = UPRHINE

Year = 2005

Month = January

Scen = 00 (ie BaseCase)

Species: NO₂, O₃max8hr, PM₁₀, PM₂₅

Geo: lon, lat

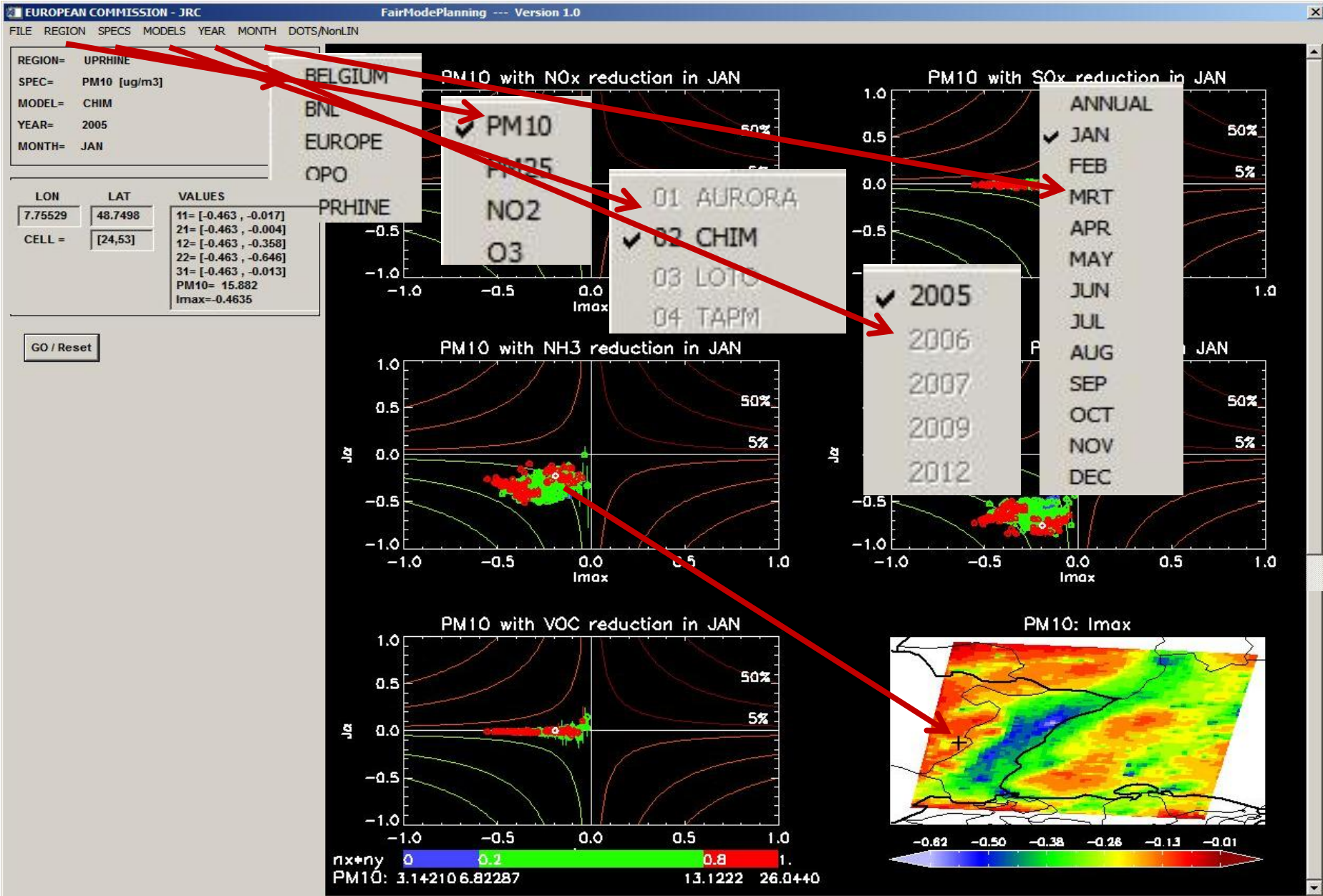
Overview of Scenarios (BaseCase and 12 emission reductions)

SCEN00:	Basecase
SCEN01:	Emissions NO_x - 20% (i.e. - 20% de NO NO₂ HONO)
SCEN02:	Emissions SO_x - 20% (i.e. - 20% de SO₂ H₂SO₄_fine)
SCEN03:	Emissions NH₃ - 20% (i.e. - 20% de NH₃)
SCEN04:	Emissions PPM - 20% (i.e. - 20% de PPM)
SCEN05:	Emissions VOC - 20% (i.e. - 20% de CH₄ TOL TMB ...)
SCEN06:	All Emissions - 20%
SCEN07:	Emissions NO_x - 50%
SCEN08:	Emissions SO_x - 50%
SCEN09:	Emissions NH₃ - 50%
SCEN10:	Emissions PPM - 50%
SCEN11:	Emissions VOC - 50%
SCEN12:	All Emissions - 50%

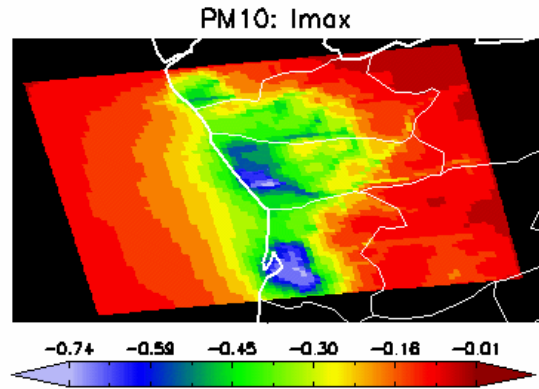
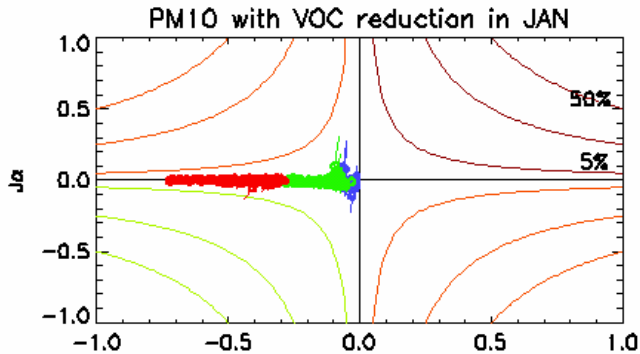
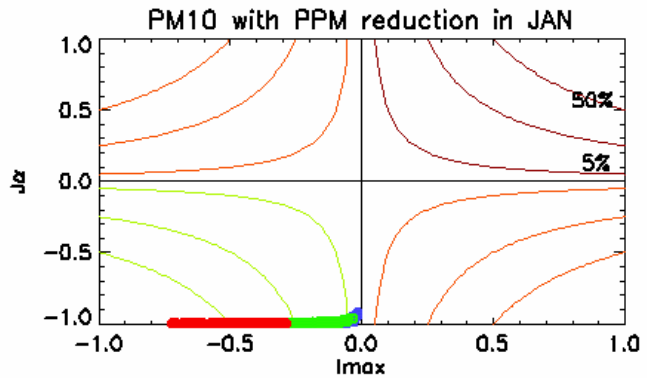
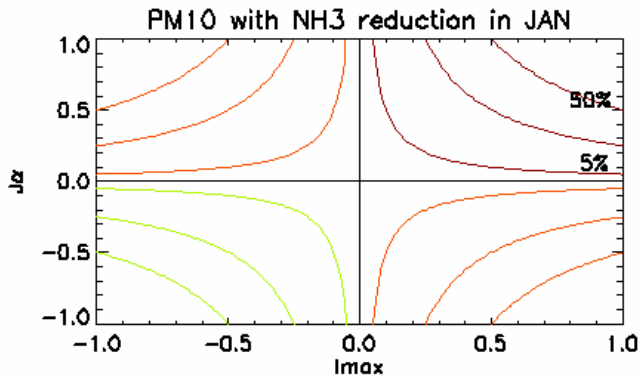
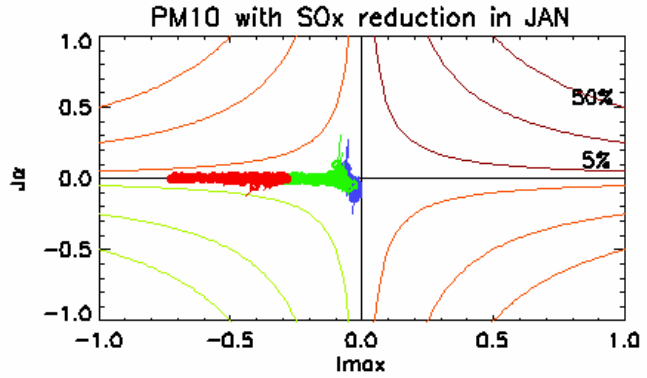
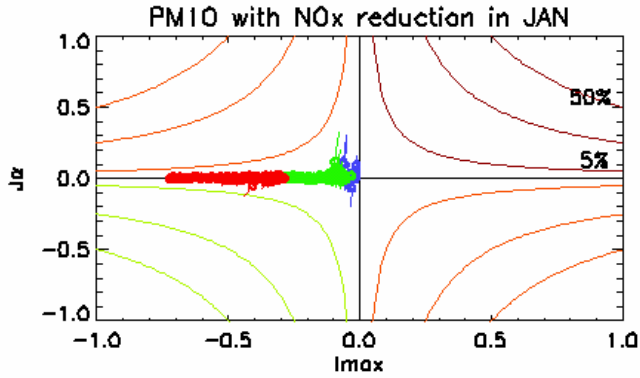
Overview Figures

Region	Species	Model	Year	Month	Slide nr
OPO	PM10	TAPM	2012	Jan	6
OPO	PM10	TAPM	2012	Jul	7
OPO	PM10	TAPM	2012	Year	8
OPO	O3max8hr	TAPM	2012	Jan	9
OPO	O3max8hr	TAPM	2012	Jul	10
OPO	O3max8hr	TAPM	2012	Year	11
BELGIUM	PM10	AURORA	2009	Jan	12
BELGIUM	O3max8hr	AURORA	2009	Jan	13
BNL	PM10	LOTO	2012	Jan	14
BNL	PM10	LOTO	2012	Jul	15
BNL	O3max8hr	LOTO	2012	Jan	16
BNL	O3max8hr	LOTO	2012	Jul	17
UPRHINE	PM10	CHIM	2005	Jan	18
UPRHINE	PM10	CHIM	2005	Jul	19
UPRHINE	O3max8hr	CHIM	2005	Jan	20
UPRHINE	O3max8hr	CHIM	2005	Jul	21
EUROPE	PM10	CHIM	2006	Jan	22
EUROPE	PM10	CHIM	2006	Jul	23
EUROPE	O3max8hr	CHIM	2006	Jan	24
EUROPE	O3max8hr	CHIM	2006	Jul	25

FairmodePlanning Tool

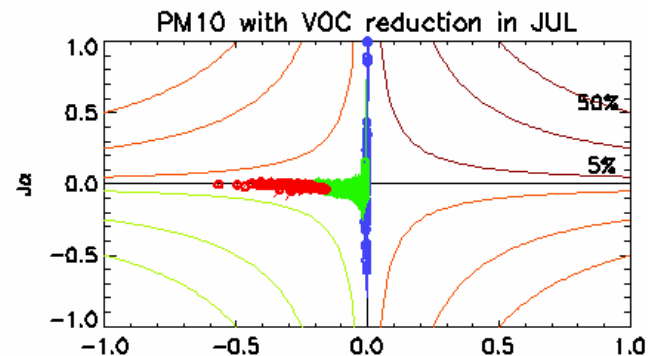
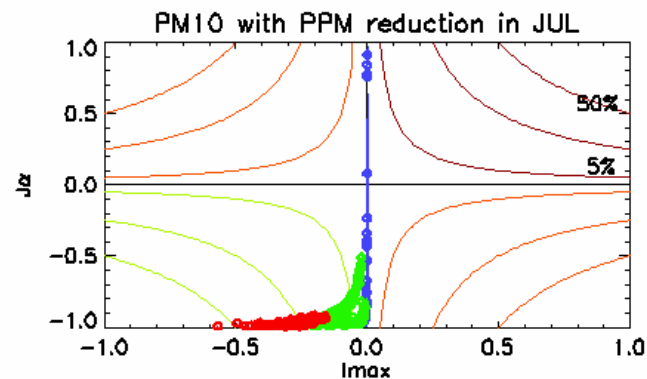
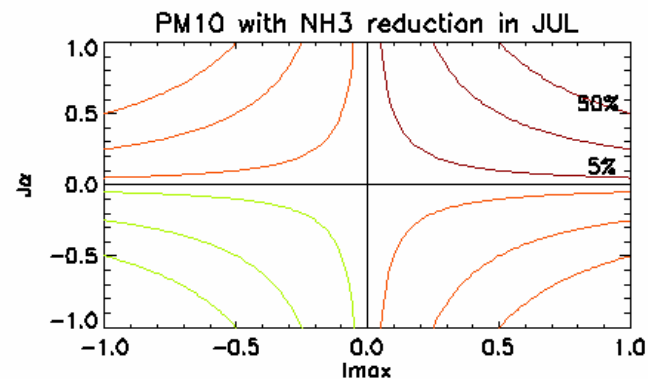
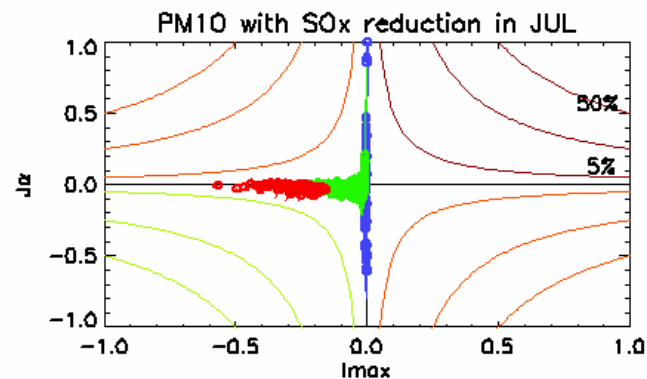
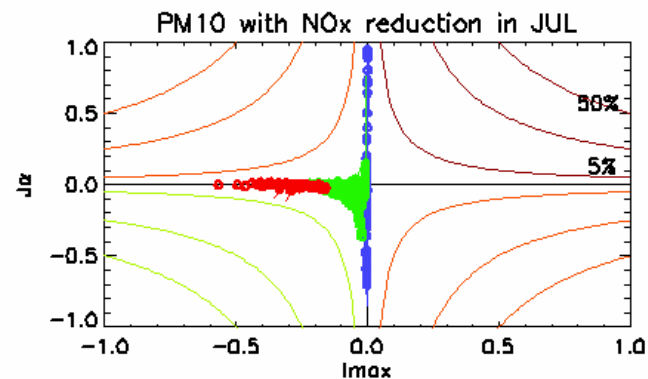


PM10 -- OPO TAPM JAN 2012

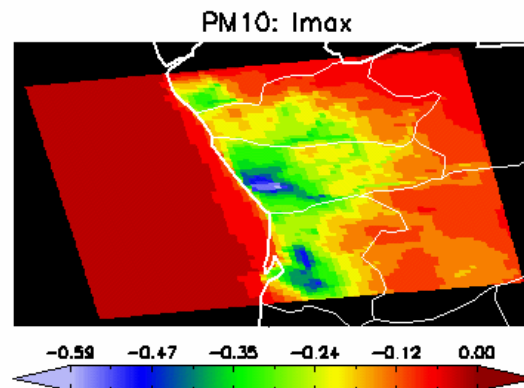


$nx+ny$ 0 0.2 0.8 1.
 PM10: 16.3461 18.6389 24.6049 61.7996

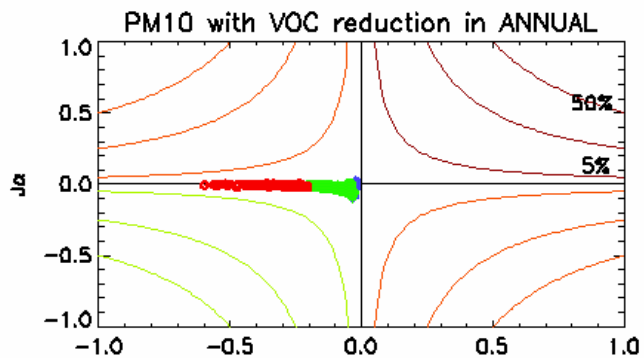
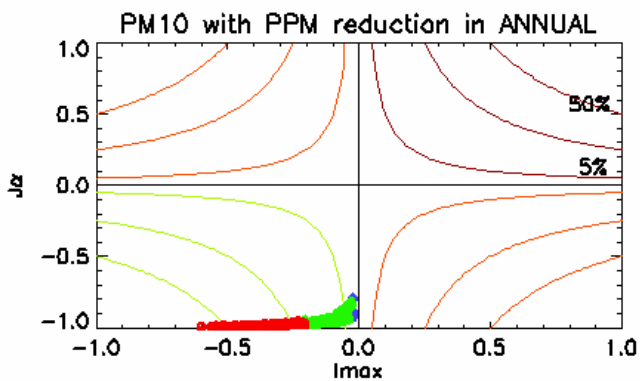
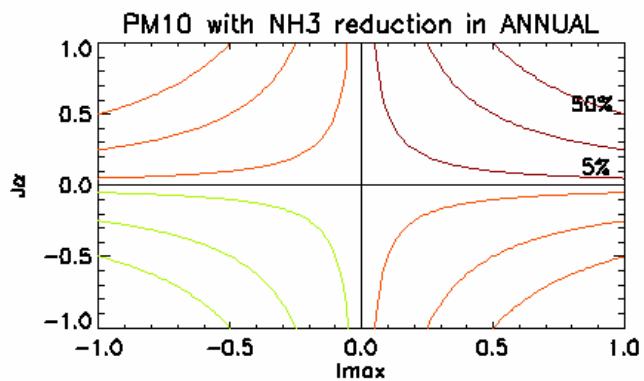
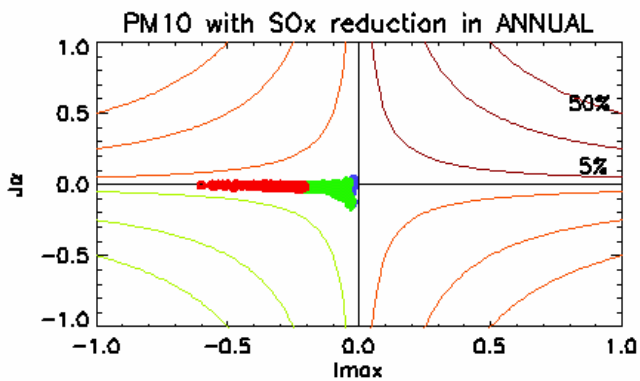
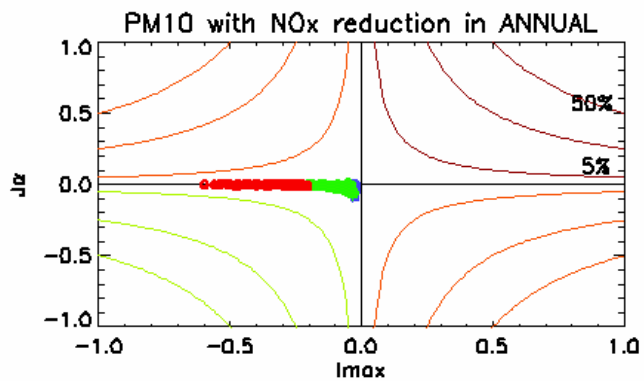
PM10 -- OPO TAPM JUL 2012



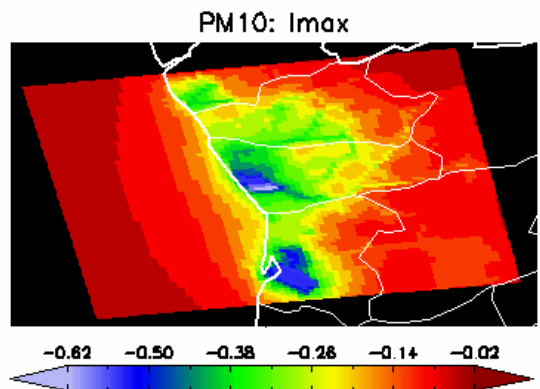
nx*ny 0 0.2 0.8 1.
 PM10: 20.4254 20.7809 26.4927 50.6155



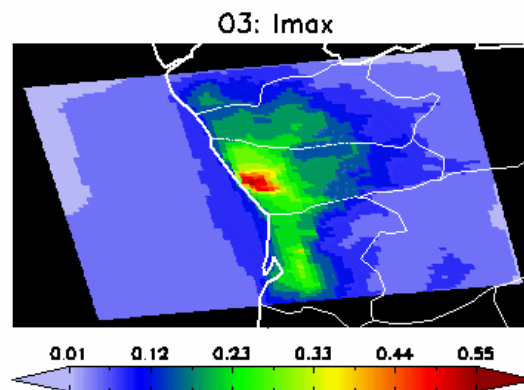
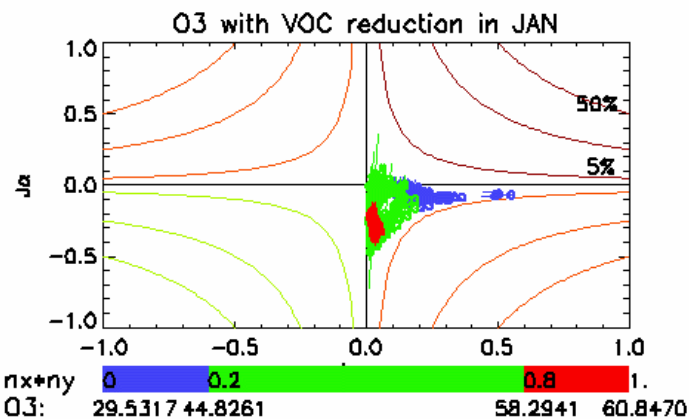
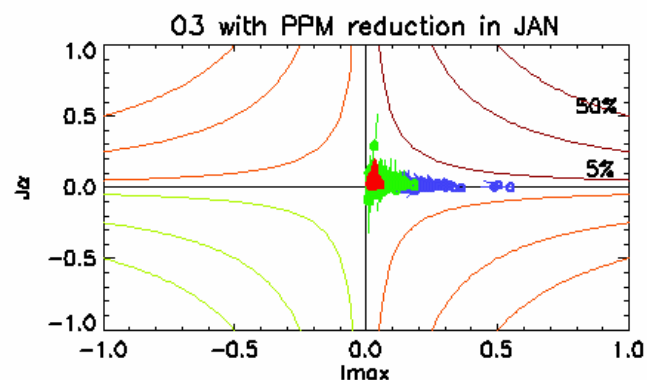
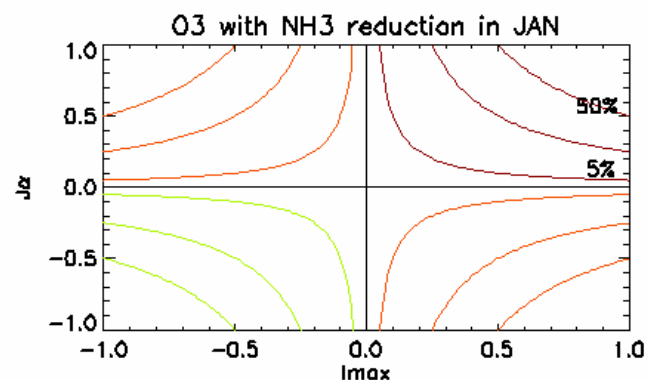
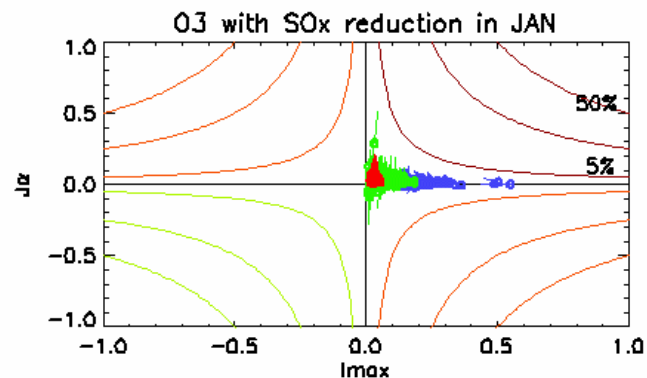
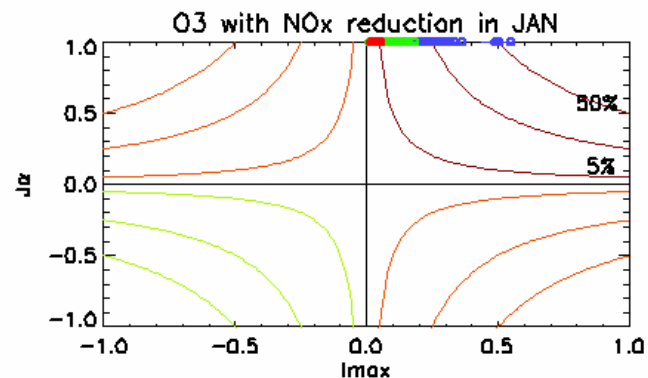
PM10 -- OPO TAPM Annual 2012



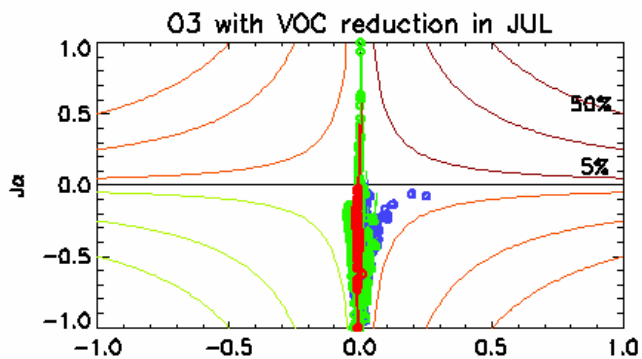
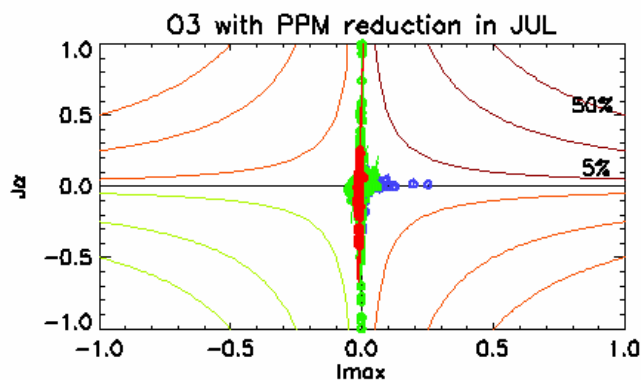
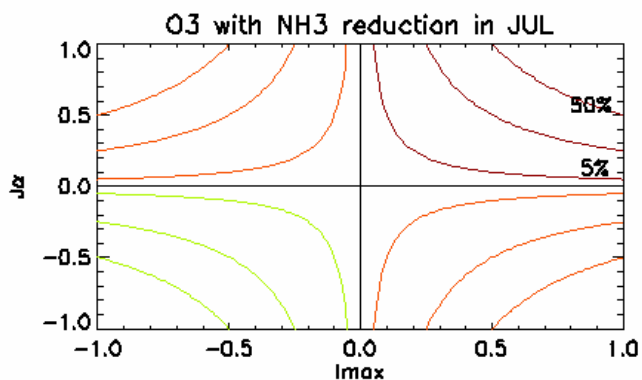
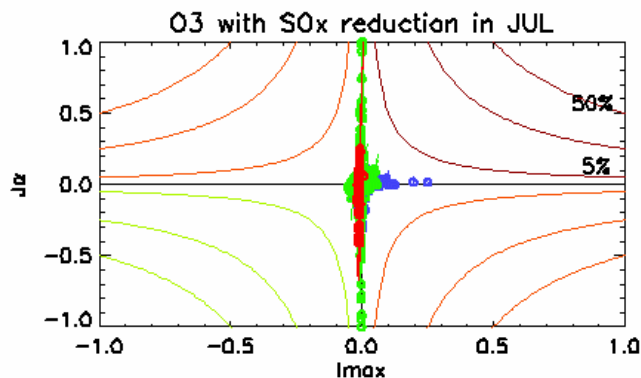
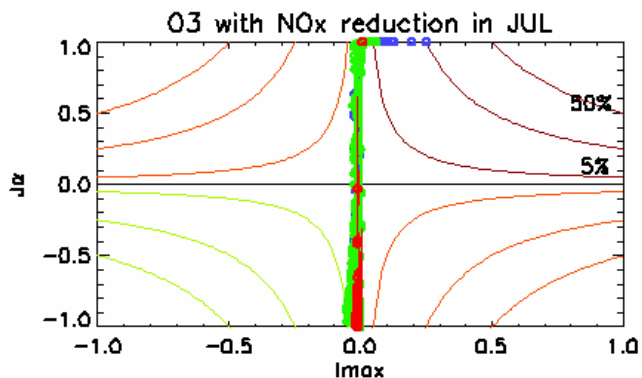
$nx+ny$ 0 0.2 0.8 1.
 PM10: 18.9779 19.6707 24.2918 50.0398



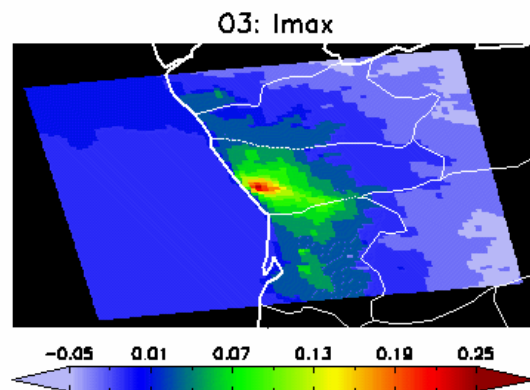
O3max8hr -- OPO TAPM JAN 2012



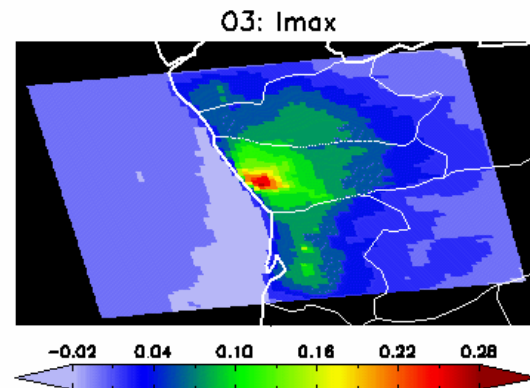
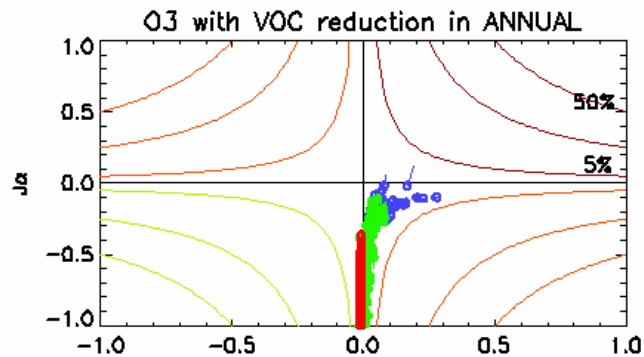
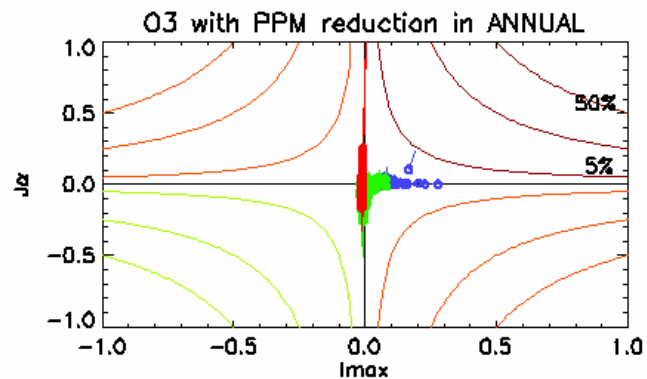
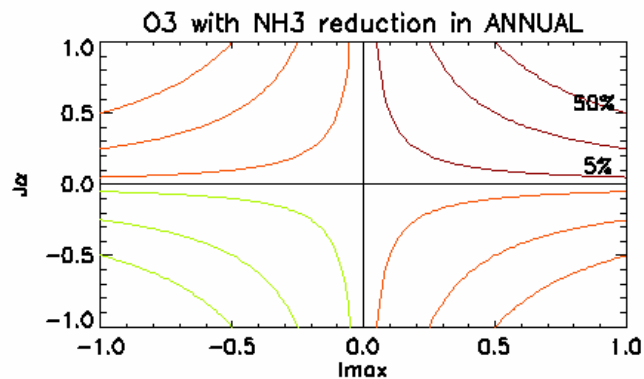
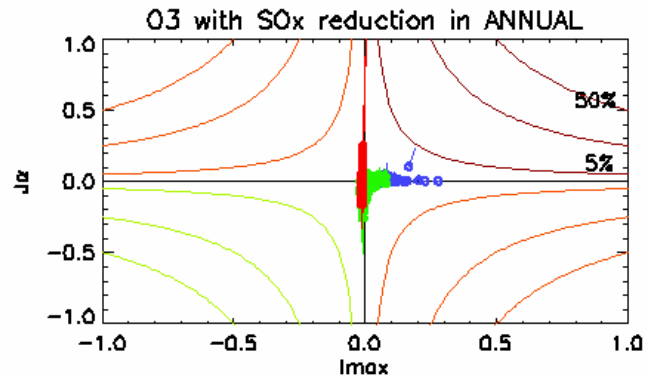
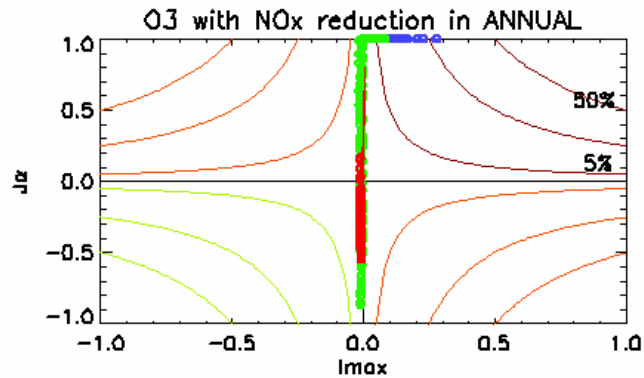
O3max8hr -- OPO TAPM JUL 2012



nx+ny 0 0.2 0.8 1.
 O3: 76.9477 94.8590 104.548 108.881

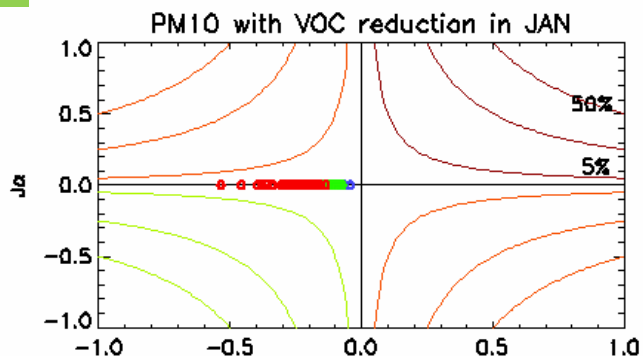
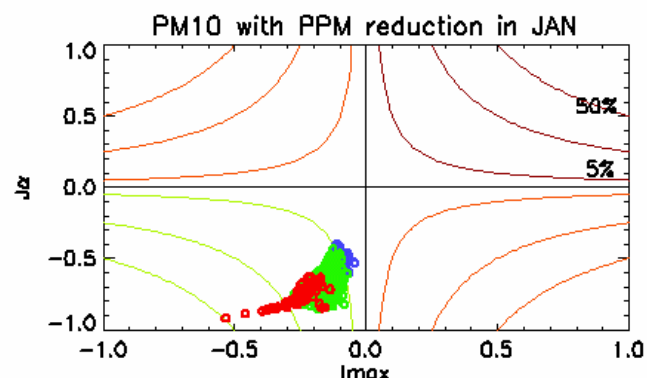
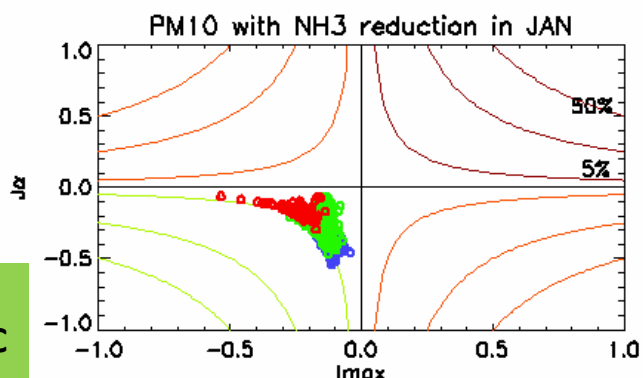
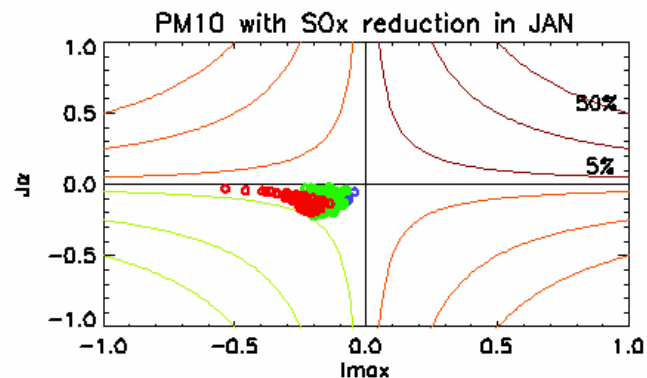
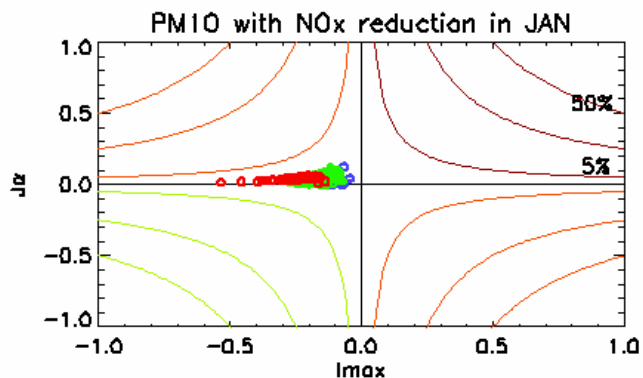


O3max8hr -- OPO TAPM Annual 2012



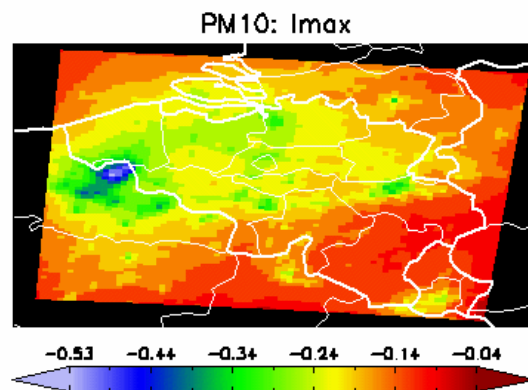
nx+ny 0 0.2 0.8 1.
 O3: 58.2979 70.7618 81.9040 84.0402

PM10 -- BELGIUM AURORA JAN 2009

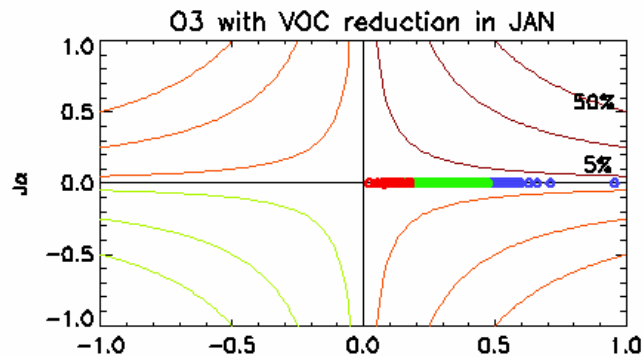
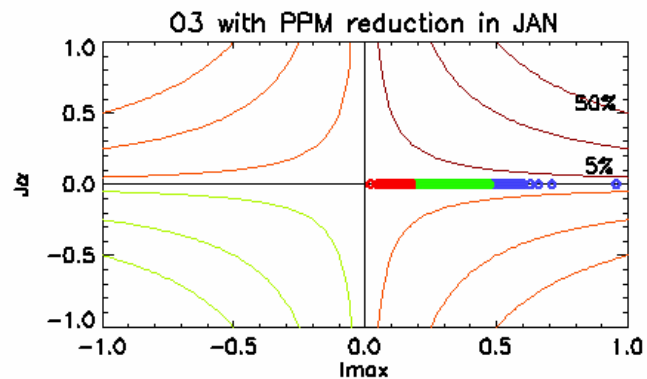
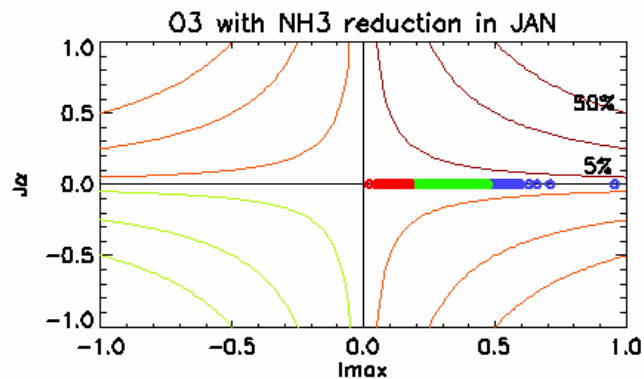
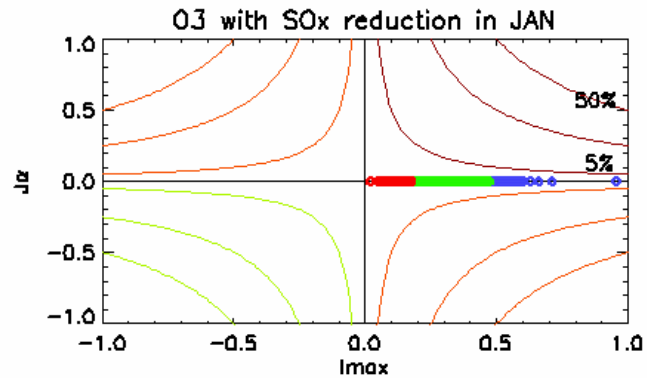
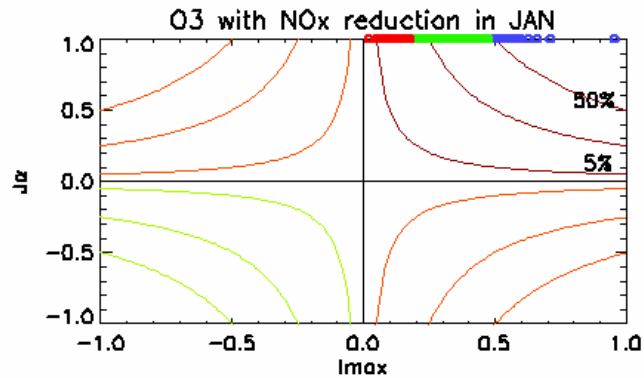


$n_x \times n_y$ 0 0.2 0.8 1.
 PM10: 18.0828 19.6523 23.1928 37.6600

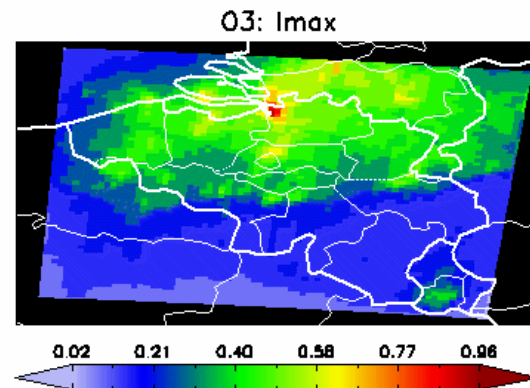
Remark Kees:
Is NH₃ and VOC
Inverted ??



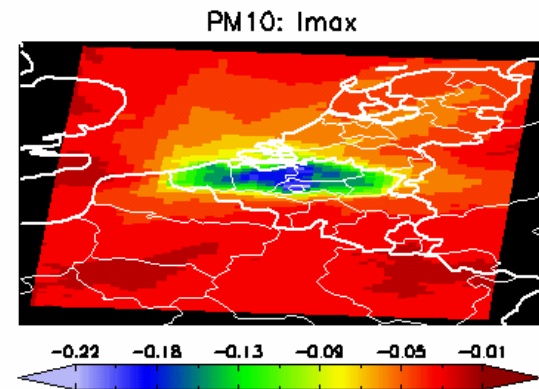
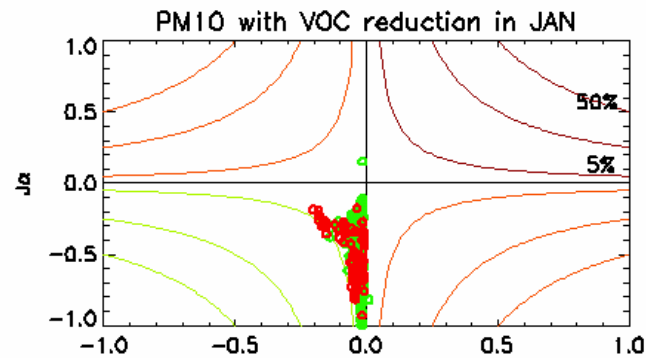
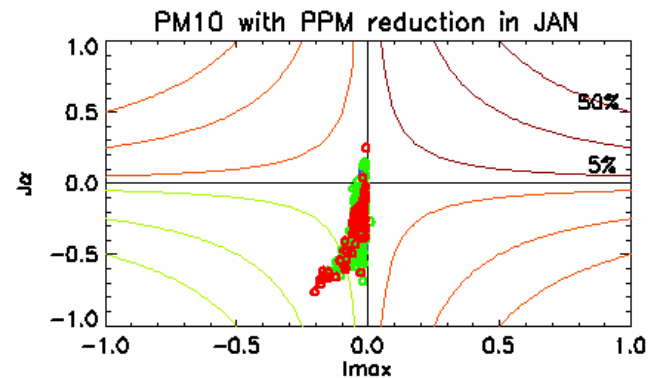
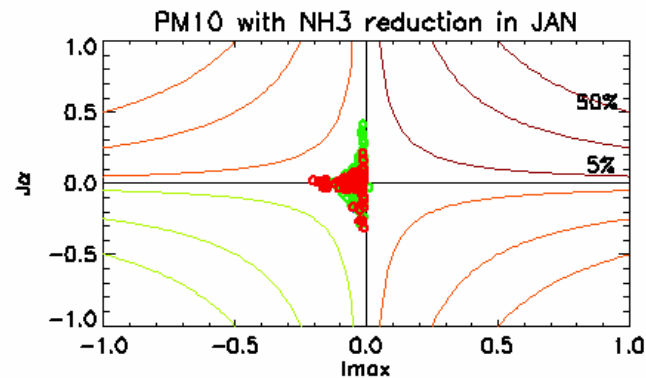
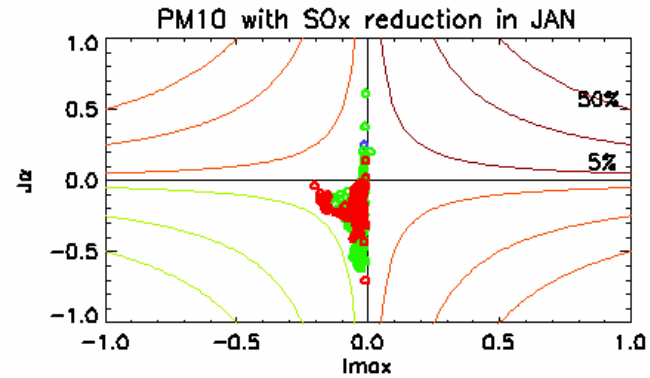
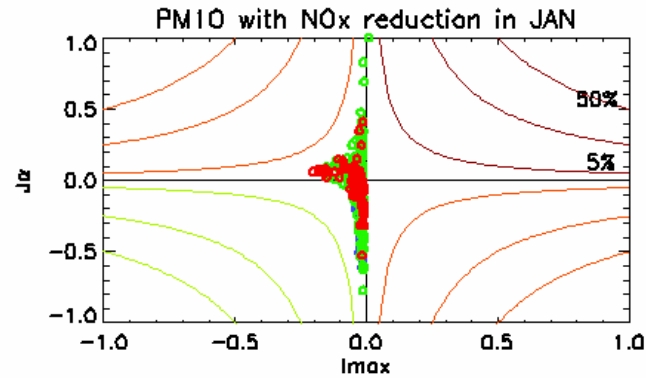
O3max8hr -- BELGIUM AURORA JAN 2009



nx+ny 0 0.2 0.8 1.
 O3: 11.8015 23.4952 34.8304 40.5729

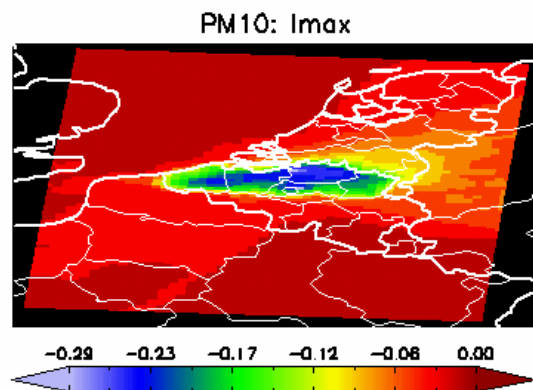
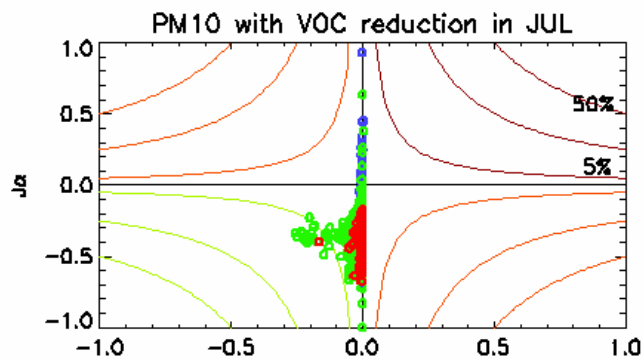
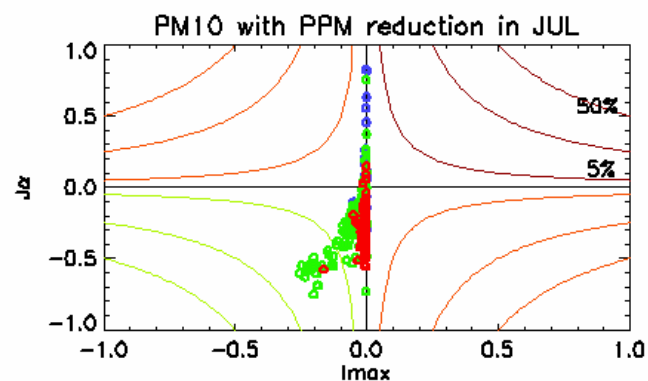
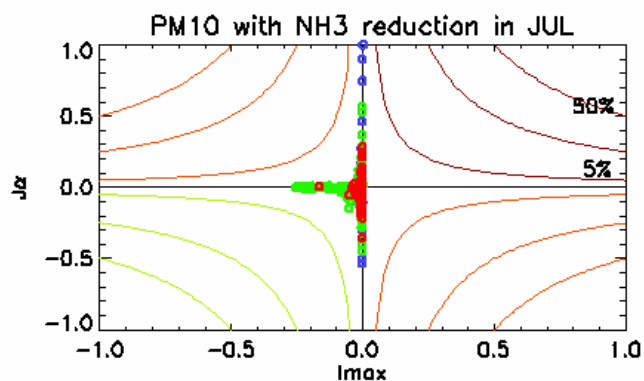
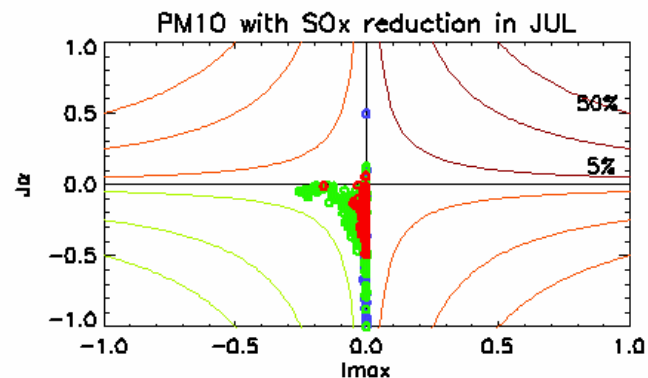
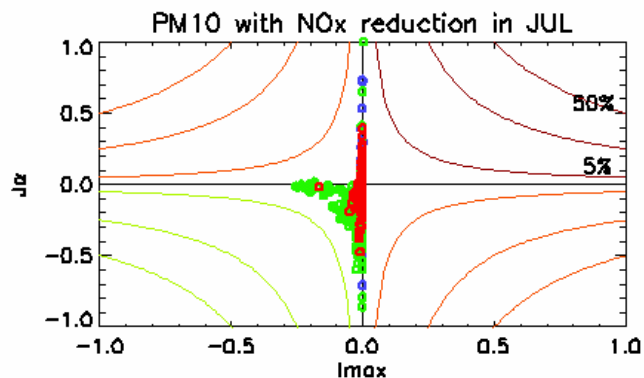


PM10 -- BNL LOTO JAN 2012



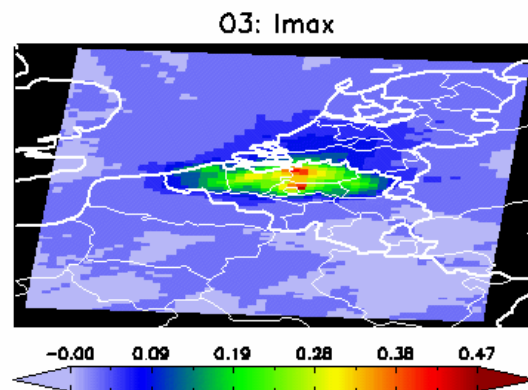
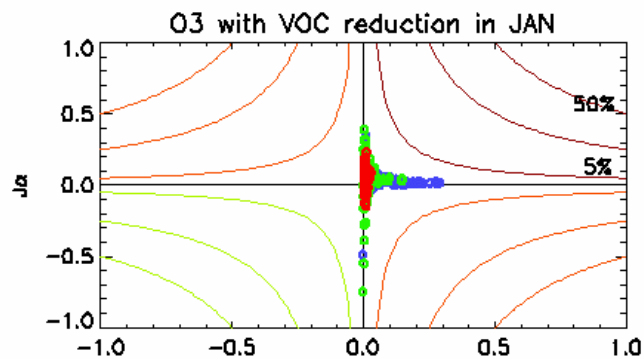
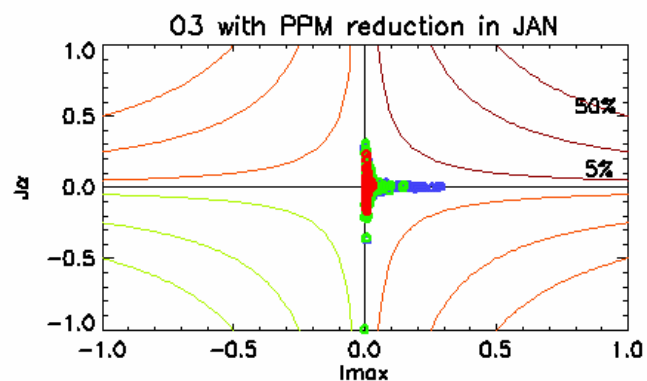
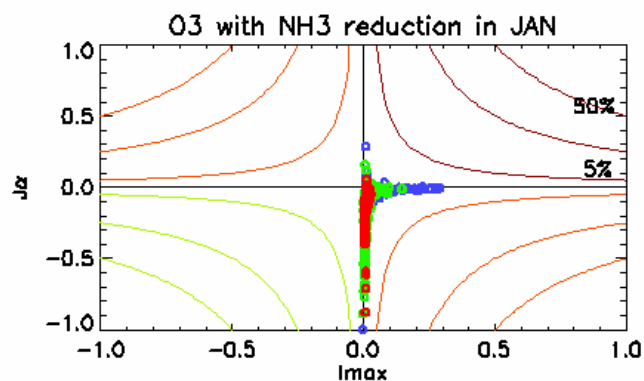
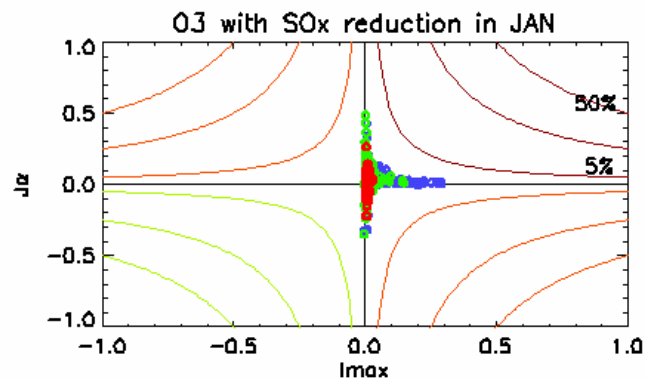
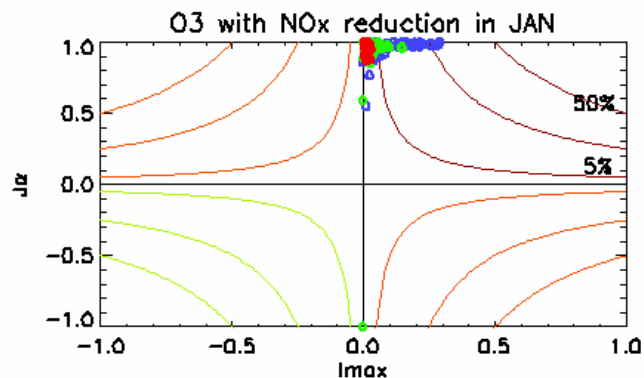
$n_x \times n_y$ 0 0.2 0.8 1.
 PM10: 9.84589 11.8822 14.2618 35.4598

PM10 -- BNL LOTO JUL 2012



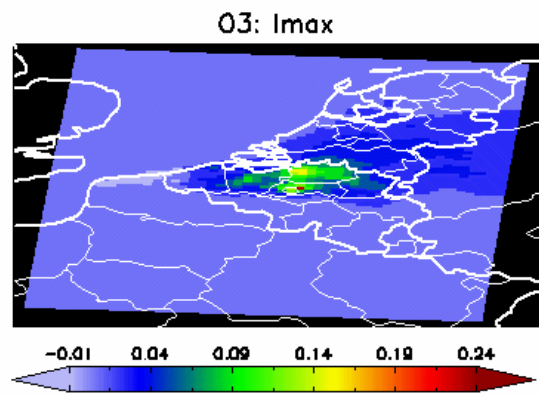
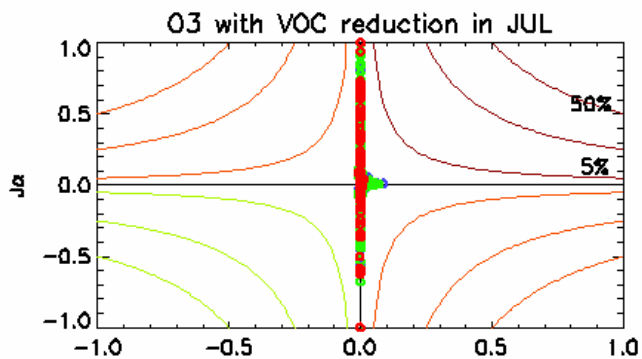
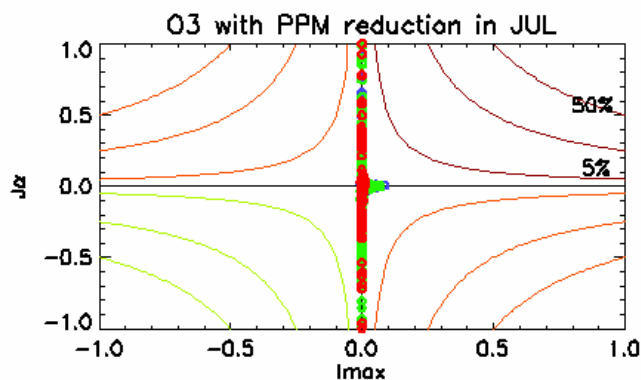
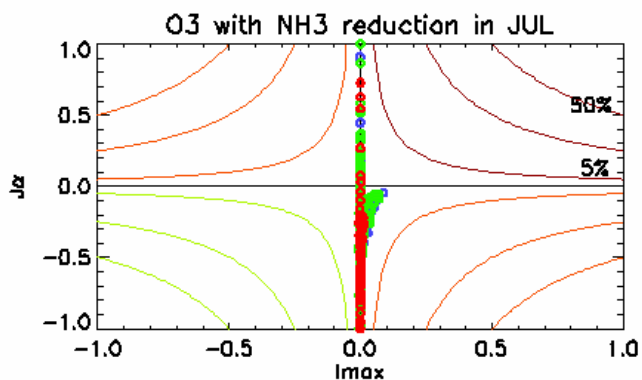
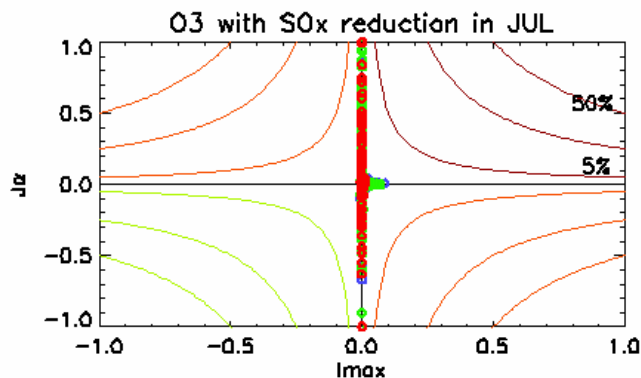
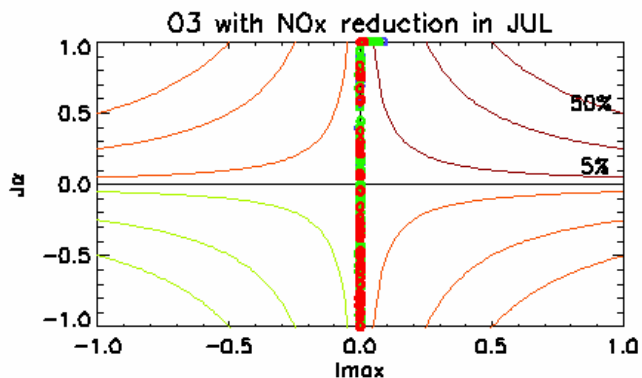
$nx+ny$ 0 0.2 0.8 1.
 PM10: 4.49294 5.82902 10.2314 38.6852

O3max8hr -- BNL LOTO JAN 2012



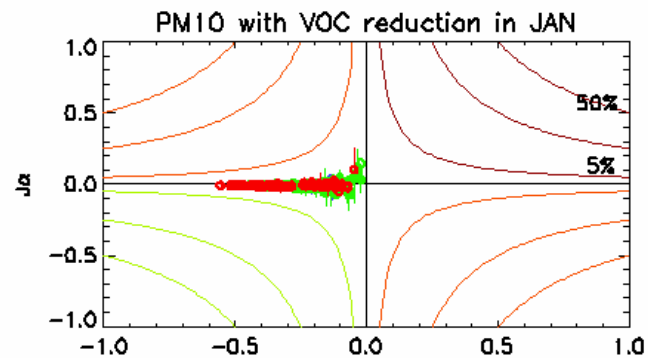
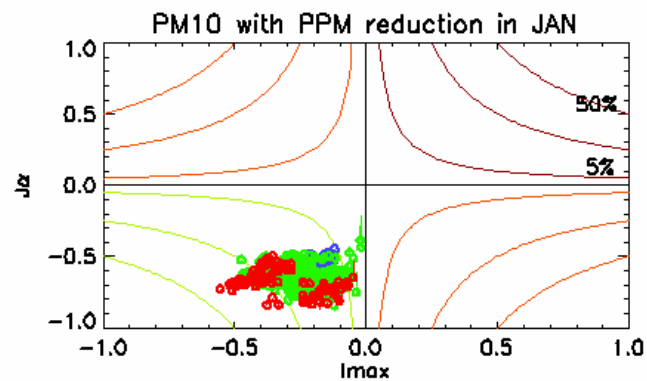
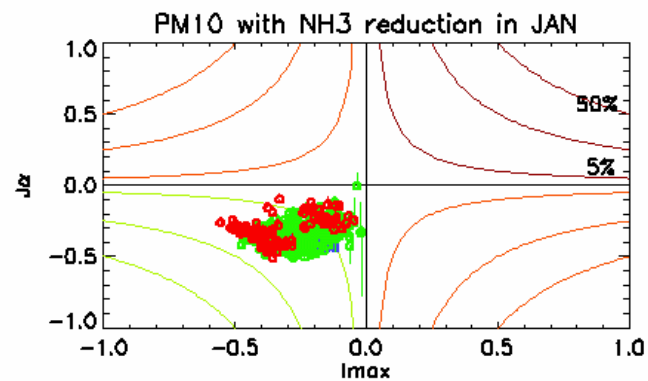
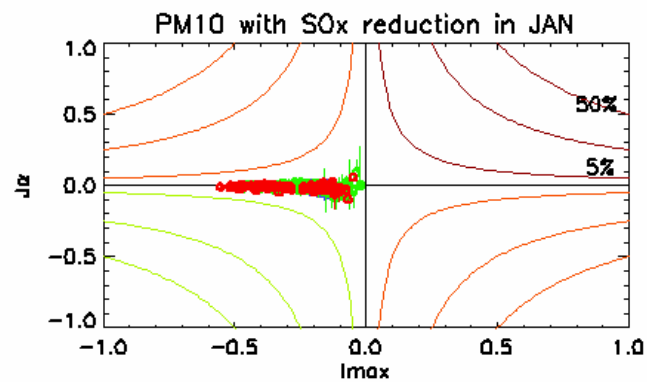
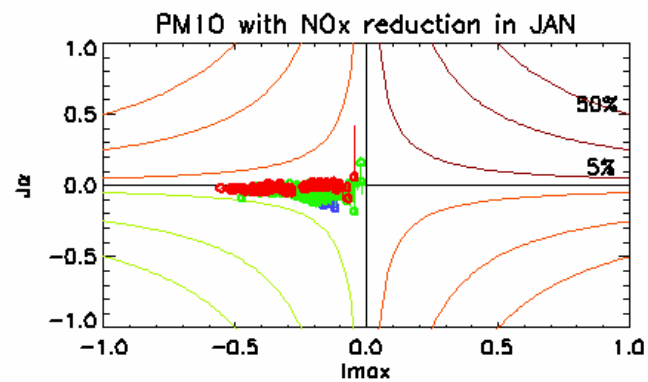
nx+ny 0 0.2 0.8 1.
 O3: 16.8983 32.5309 41.1102 47.4429

O3max8hr -- BNL LOTO JUL 2012

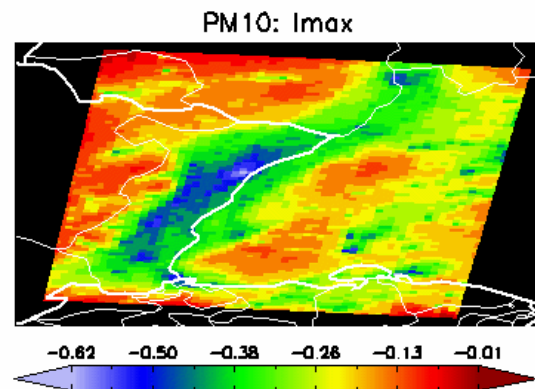


nx+ny 0 0.2 0.8 1.
 O3: 51.7644 68.9323 75.7961 84.6551

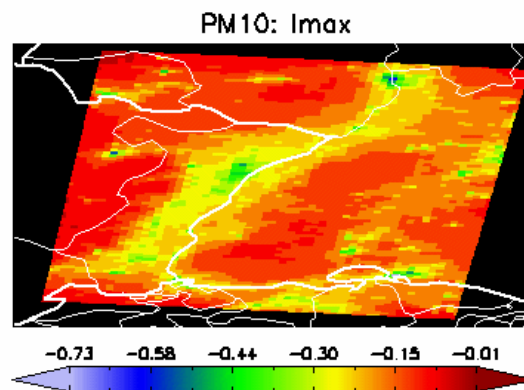
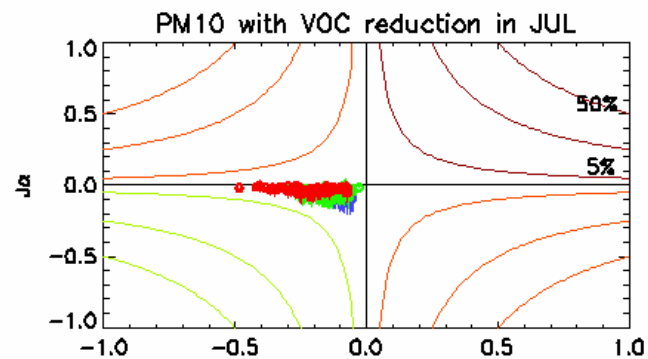
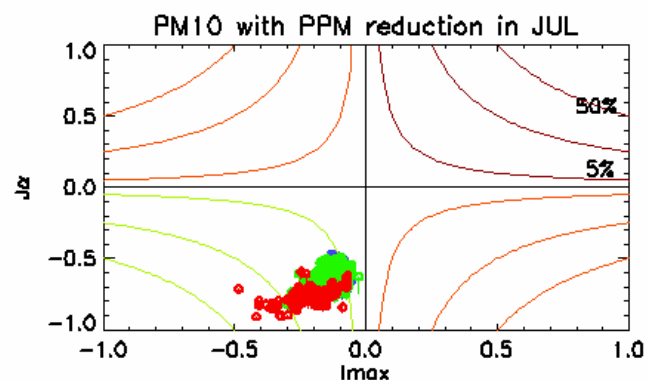
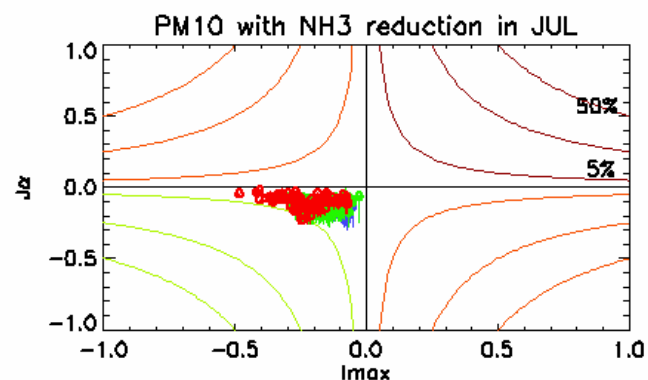
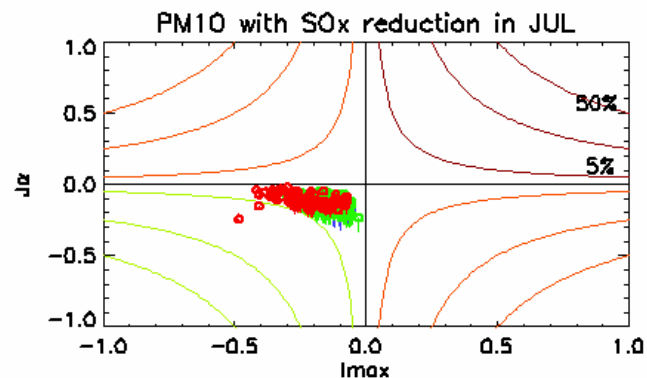
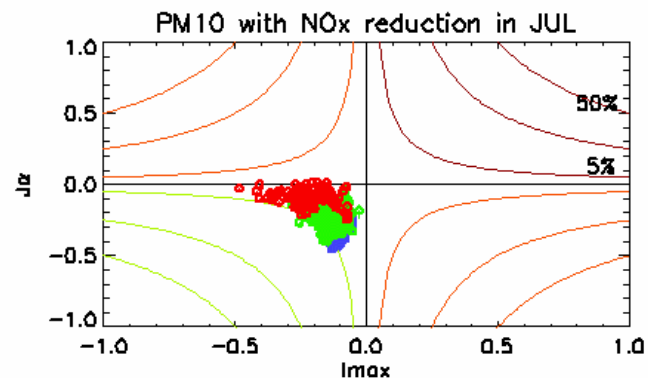
PM10 -- UPRHINE CHIM JAN 2005



$n_x \times n_y$ 0 0.2 0.8 1.
 PM10: 3.14210 6.82287 13.1222 26.0440

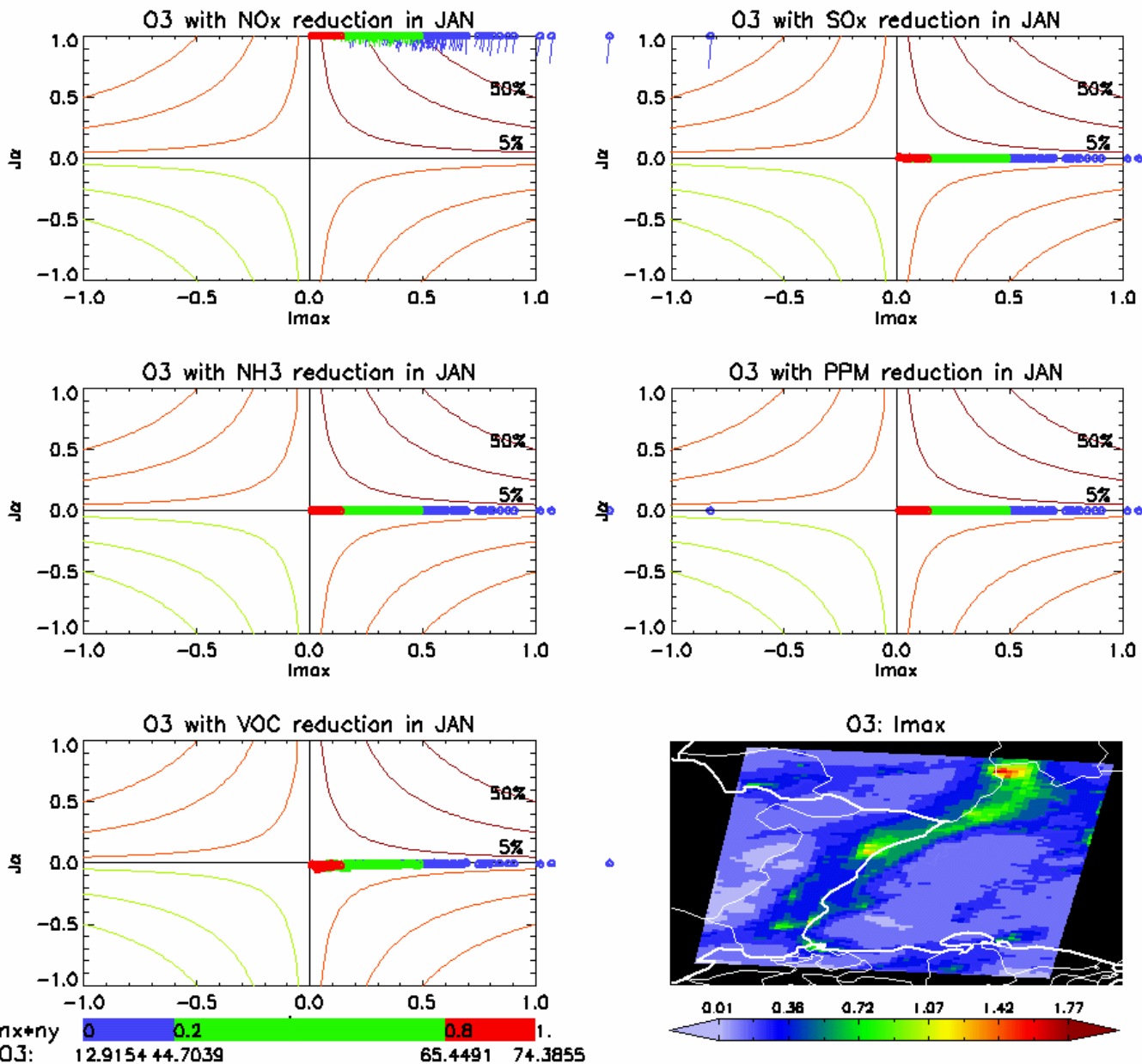


PM10 -- UPRHINE CHIM JUL 2005

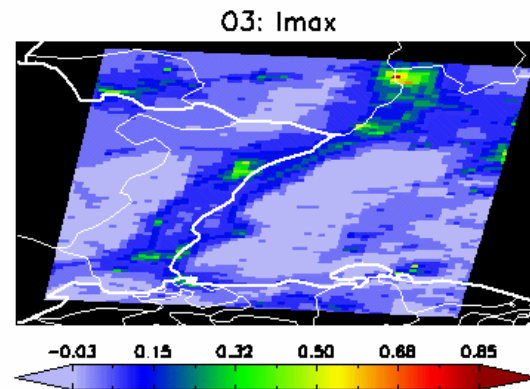
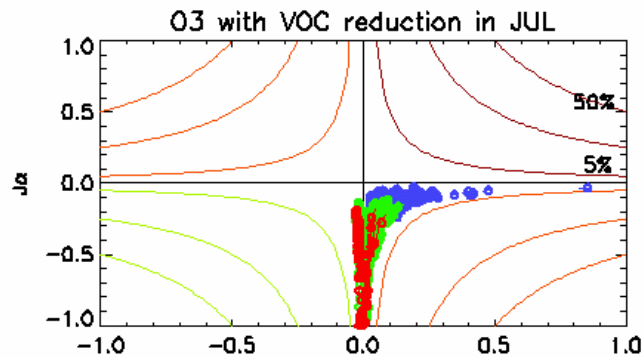
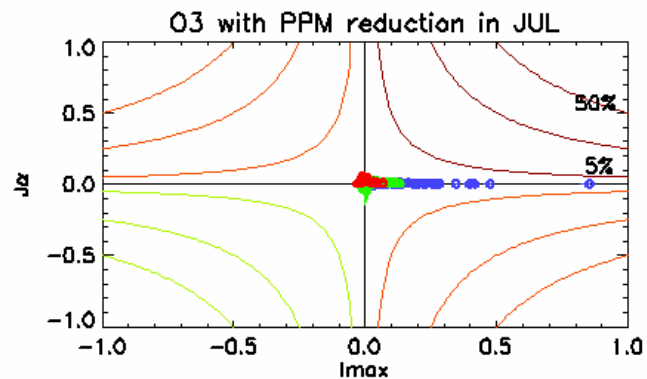
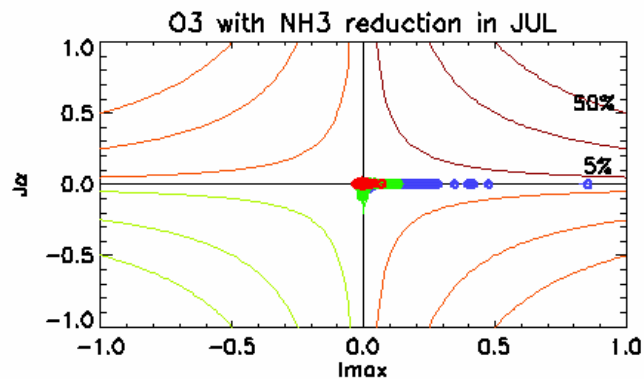
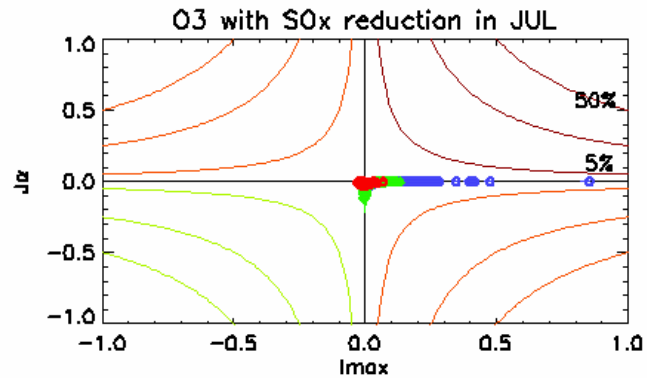
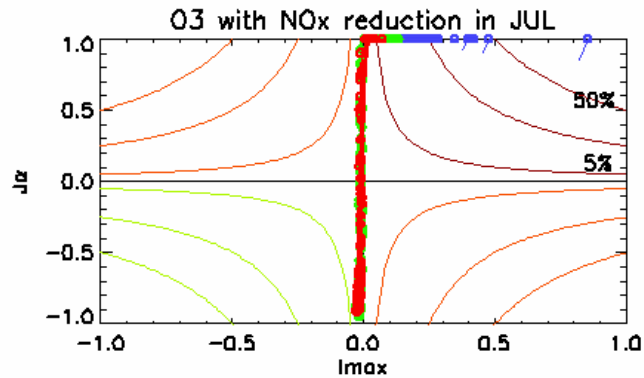


$n_x \times n_y$ 0 0.2 0.8 1.
 PM10: 5.36716 6.53746 8.68621 23.2366

O3max8hr -- UPRHINE CHIM JAN 2005

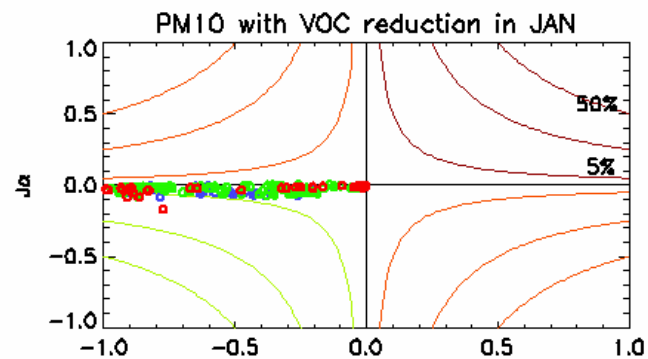
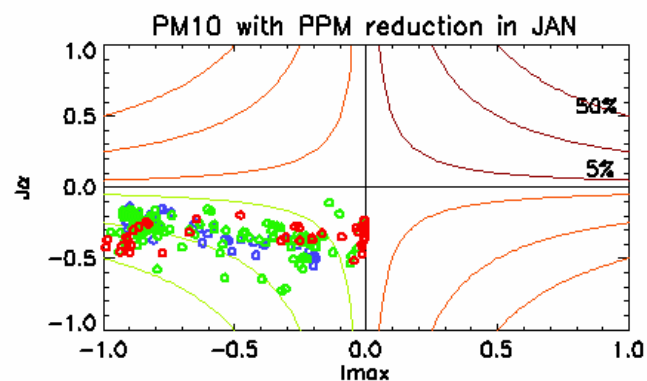
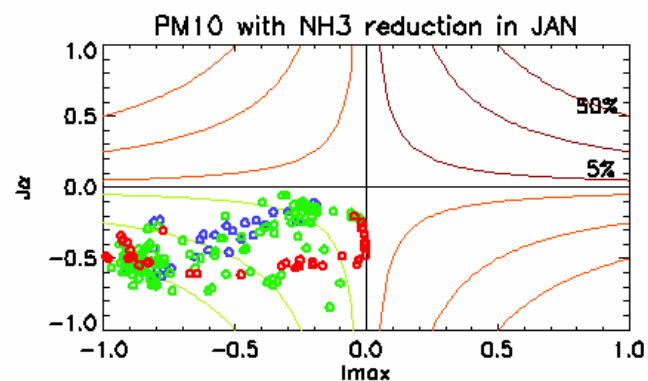
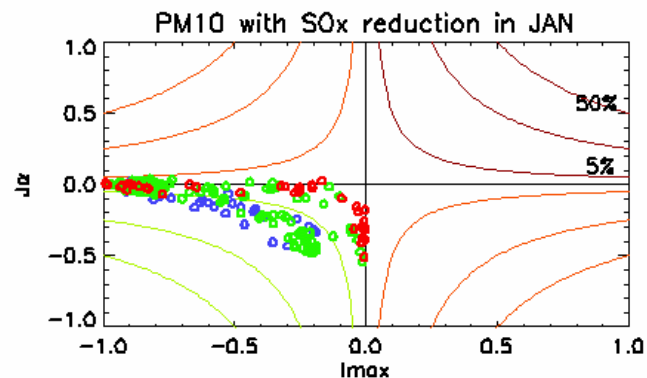
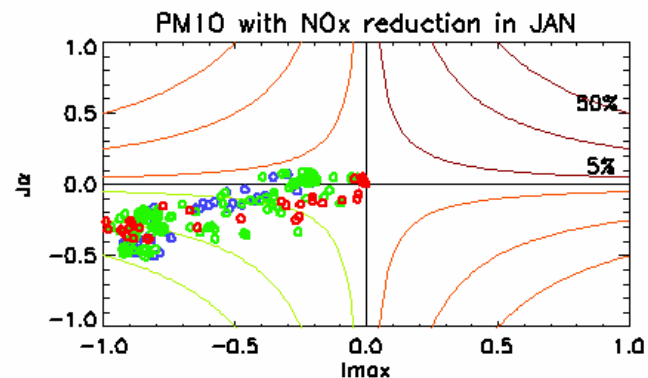


O3max8hr -- UPRHINE CHIM JUL 2005

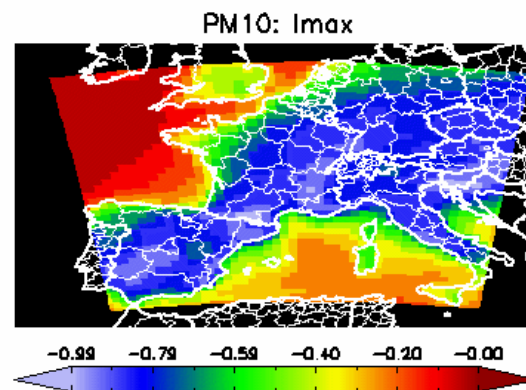


nx+ny 0 0.2 0.8 1.
 O3: 38.8125 81.0002 89.4648 98.9403

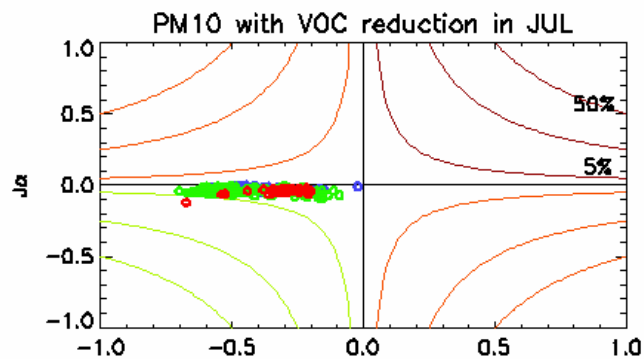
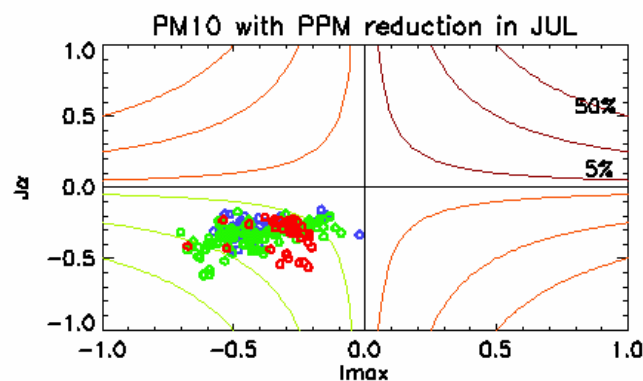
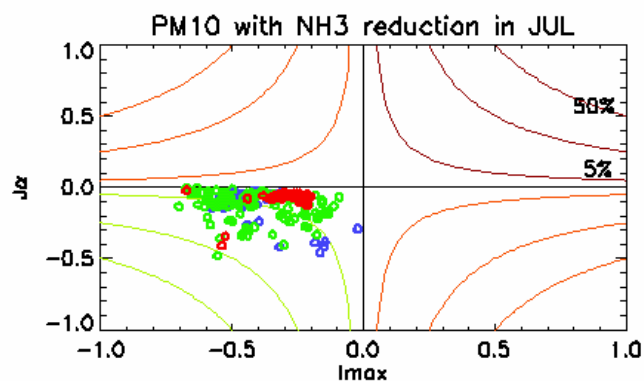
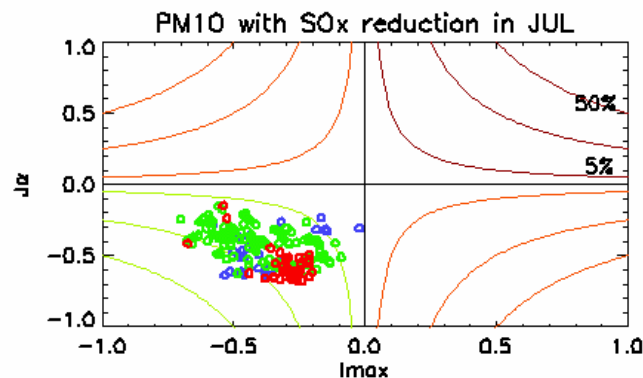
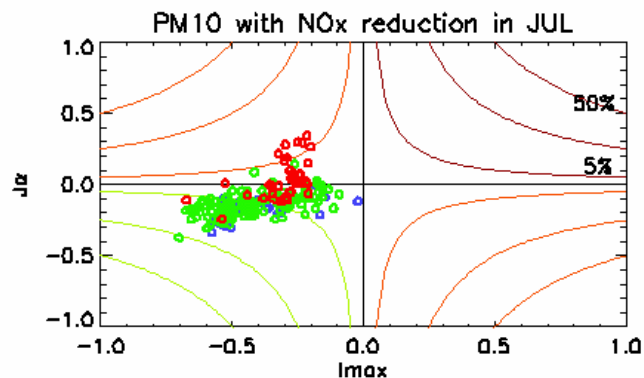
PM10 -- EUROPE CHIM JAN 2006



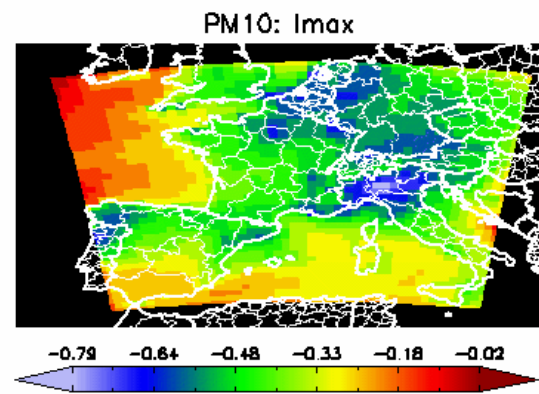
$n_x + n_y$ 0 0.2 0.8 1.
 PM10: 3.18151 7.51976 15.0682 35.6786



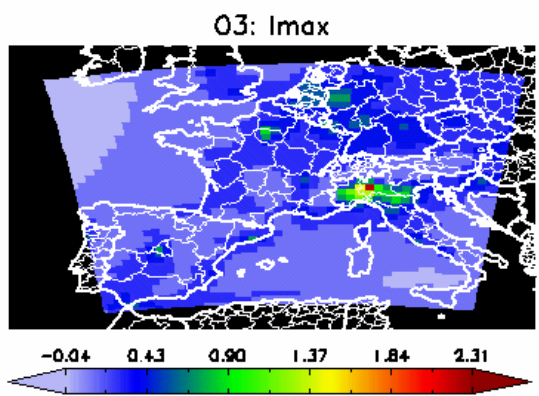
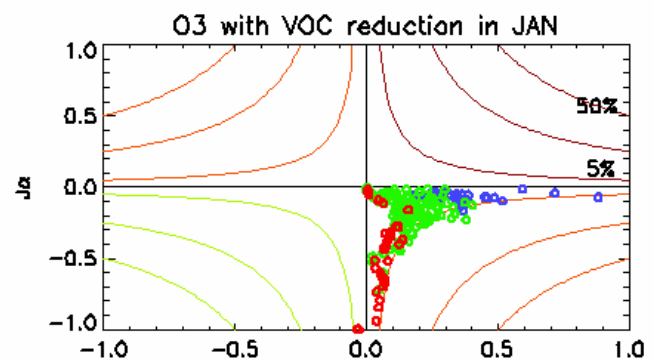
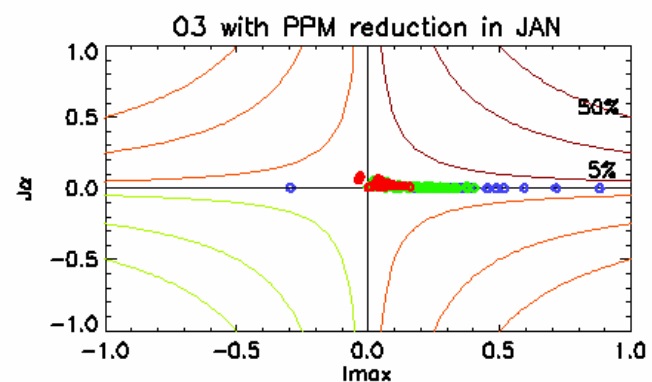
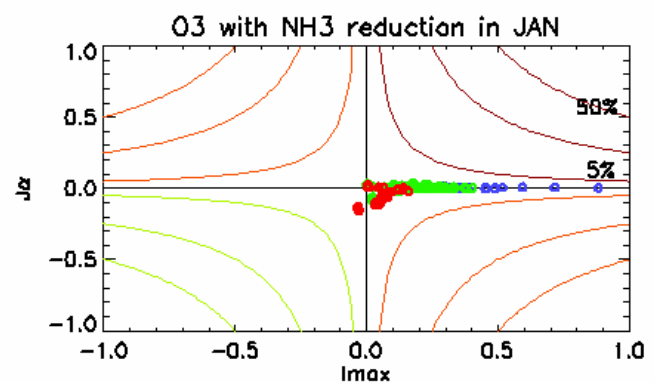
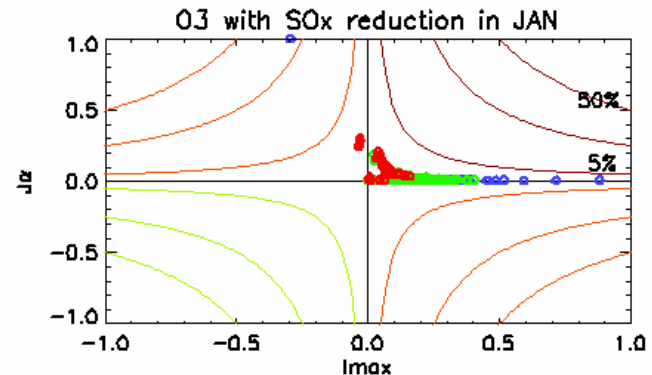
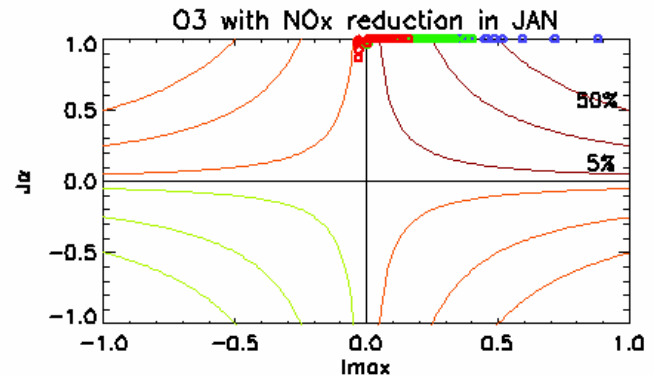
PM10 -- EUROPE CHIM JUL 2006



$n_x \times n_y$ 0 0.2 0.8 1.
 PM10: 3.82465 8.01354 13.5671 28.0692

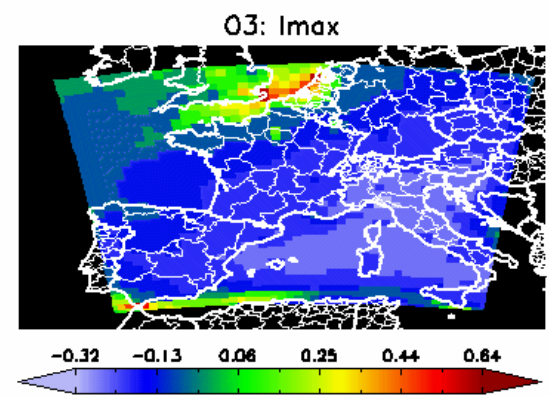
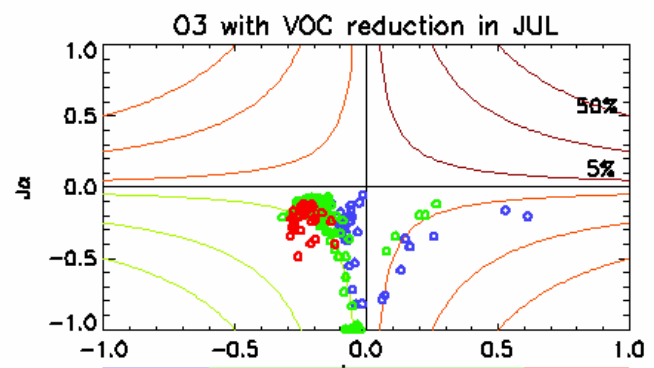
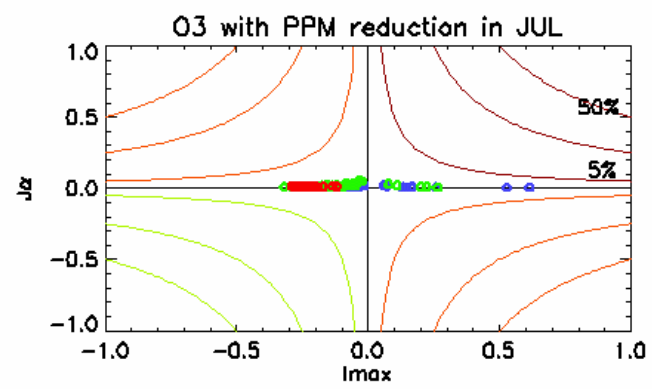
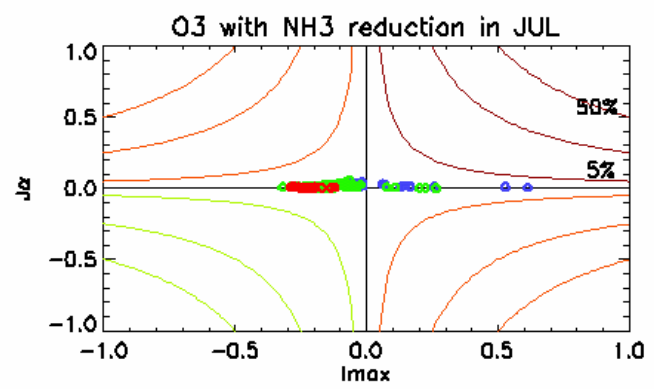
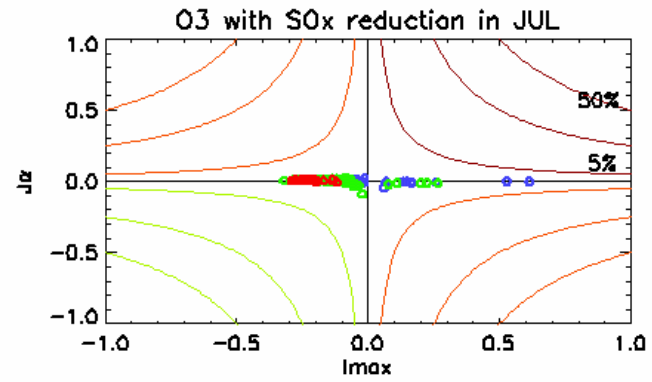
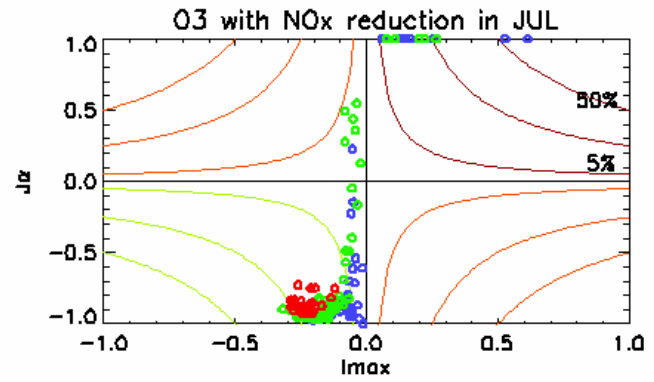


O3max8hr -- EUROPE CHIM JAN 2006



nx*ny 0 0.2 0.8 1.
 O3: 16.6861 51.3734 76.4408 85.3860

O3max8hr -- EUROPE CHIM JUL 2006



nx*ny 0 0.2 0.8 1.
 O3: 48.1634 76.8589 102.068 124.802