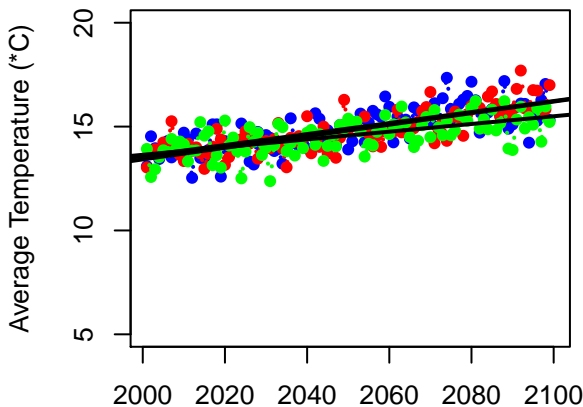# Average Temperature: mri_cgcm2_3_2a.sres.run1.tas
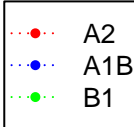

SJER_M2M
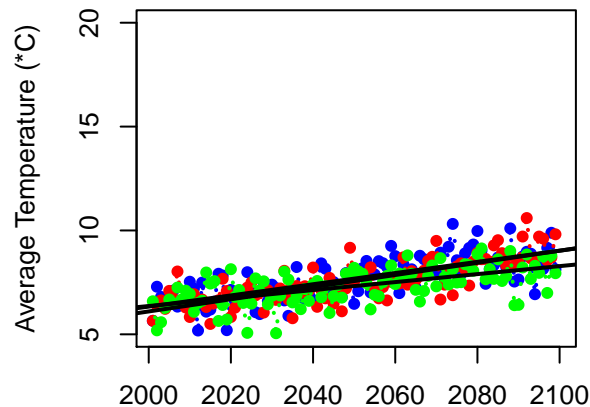
$y = 0.028x + -42.235$
$y = 0.026x + -39.39$
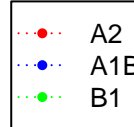$y = 0.019x + -23.459$

Year

A2
A1B
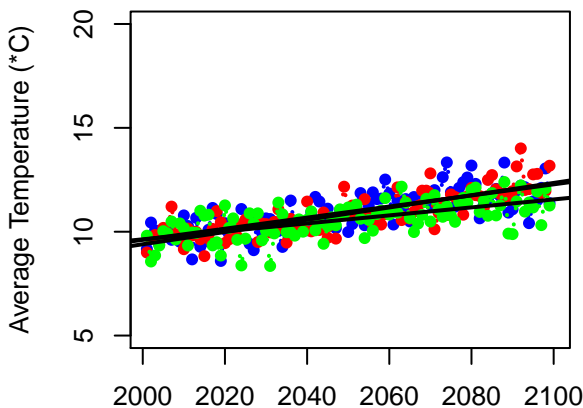B1

Teakettle_M2M

$y = 0.029x + -52.385$
$y = 0.027x + -47.524$
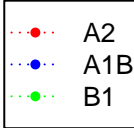$y = 0.019x + -32.059$

Year

A2
A1B
B1

Tehachapi_High_M2M
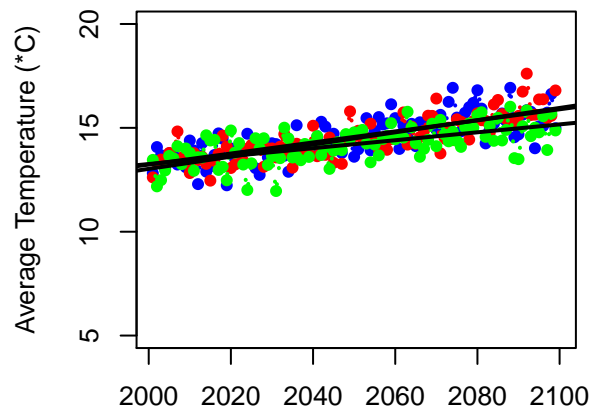
$y = 0.03x + -49.624$
$y = 0.027x + -43.804$
$y = 0.019x + -28.749$

Year

A2
A1B
B1

Tehachapi_Low_M2M

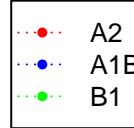$y = 0.029x + -45.631$
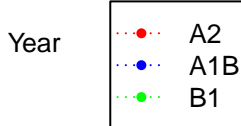$y = 0.027x + -40.016$
$y = 0.019x + -24.928$

Year

A2
A1B
B1

Average Temperature: csiro_mk3_0.sres.run1.tas

SJER_M2M

Average Temperature (°C)

Year
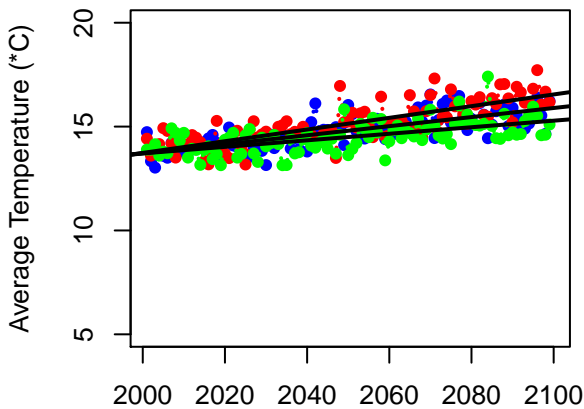
$y = 0.028x + -42.525$
$y = 0.022x + -30.027$
$y = 0.016x + -17.828$

A2
A1B
B1

Teakettle_M2M

Average Temperature (°C)

Year
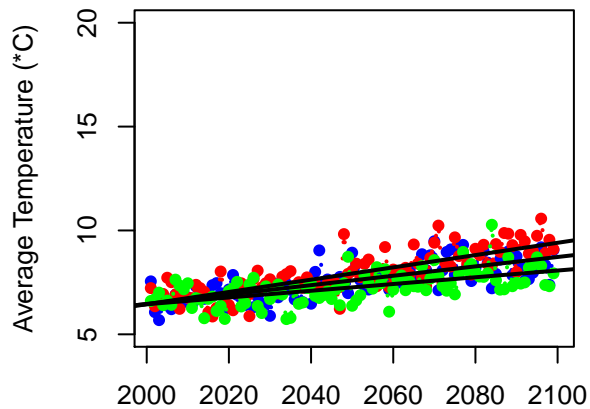
$y = 0.03x + -52.731$
$y = 0.023x + -38.728$
$y = 0.016x + -26.011$

A2
A1B
B1

Tehachapi_High_M2M

Average Temperature (°C)

Year
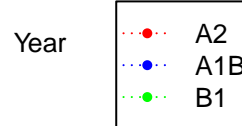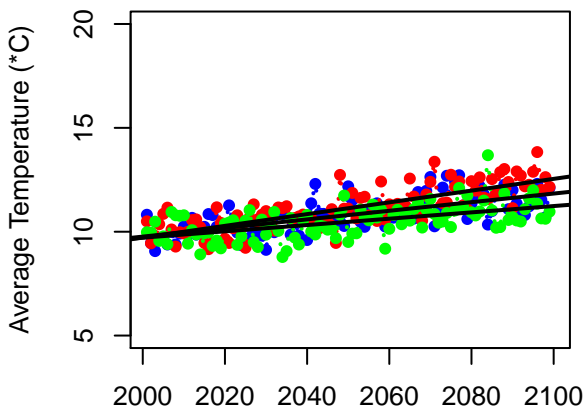
$y = 0.028x + -46.835$
$y = 0.021x + -31.684$
$y = 0.015x + -20.751$

A2
A1B
B1

Tehachapi_Low_M2M

Average Temperature (°C)

Year
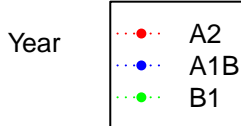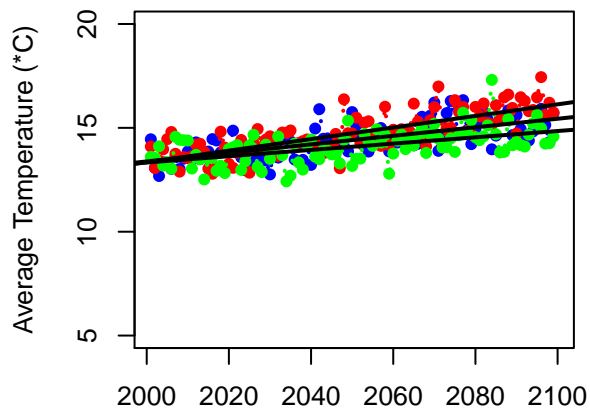
$y = 0.028x + -42.37$
$y = 0.021x + -27.705$
$y = 0.015x + -17.001$
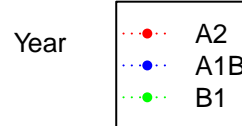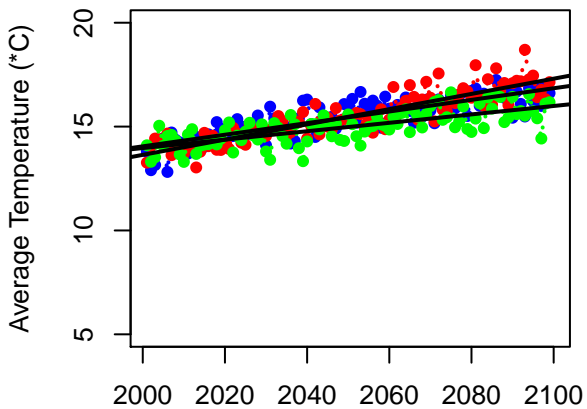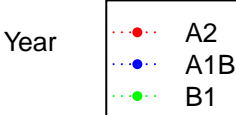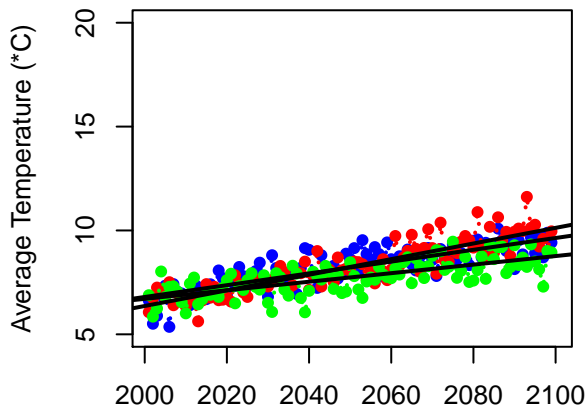
A2
A1B
B1

Average Temperature: csiro_mk3_5.tas

Average Temperature: cnrm_cm3.sres.run1.tas
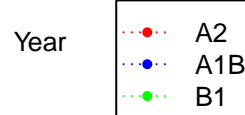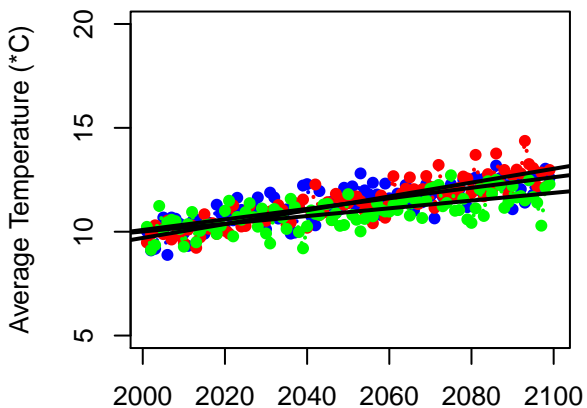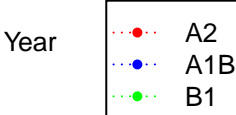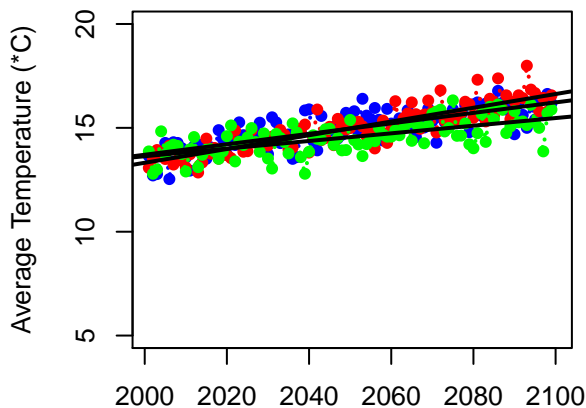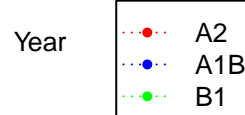
SJER_M2M
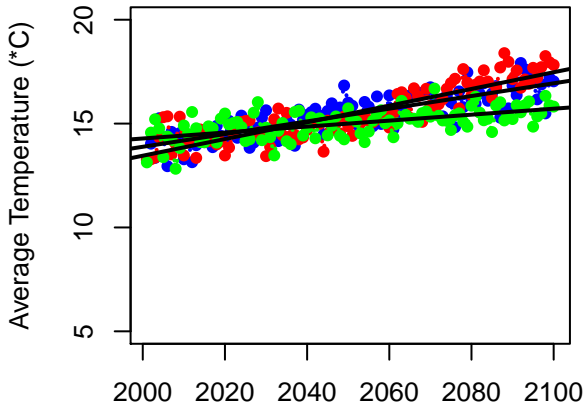
$y = 0.04x + -66.906$
$y = 0.031x + -47.233$
$y = 0.014x + -14.408$

Year

A2
A1B
B1

Teakettle_M2M

$y = 0.043x + -79.866$
$y = 0.033x + -58.774$
$y = 0.016x + -24.442$

Year

A2
A1B
B1

Tehachapi_High_M2M

$y = 0.04x + -71.025$
$y = 0.03x + -50.453$
$y = 0.014x + -17.251$

Year

A2
A1B
B1

Tehachapi_Low_M2M

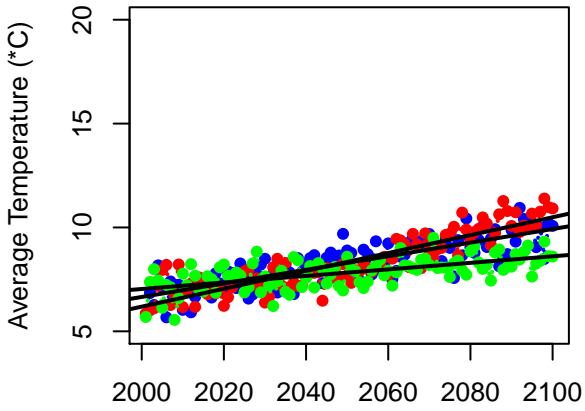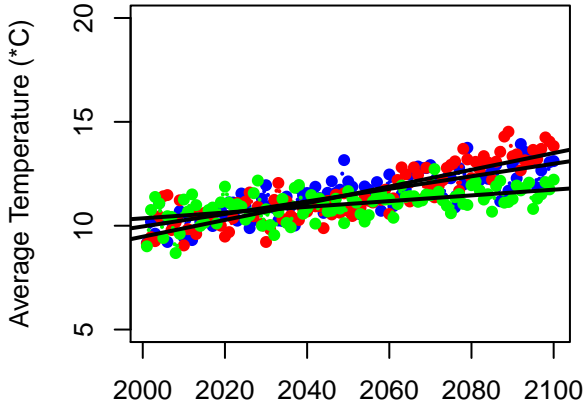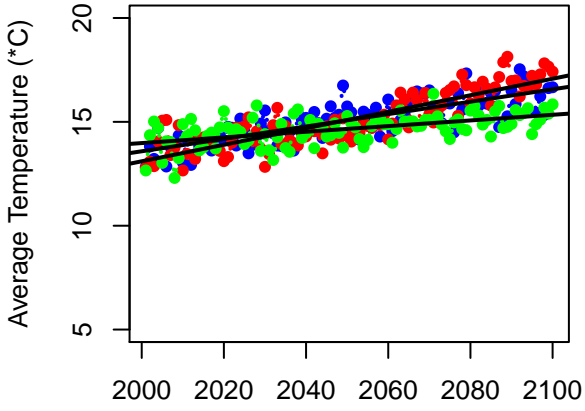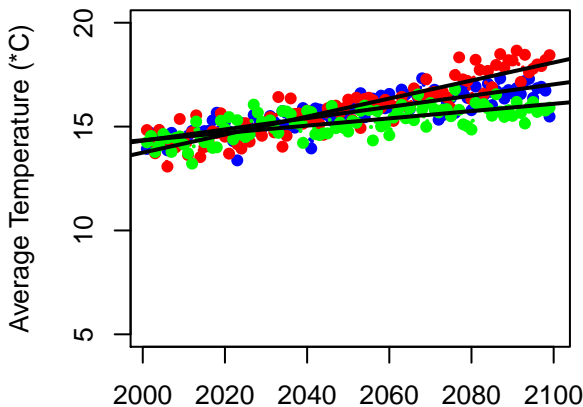$y = 0.04x + -66.396$
$y = 0.03x + -46.075$
$y = 0.014x + -13.266$

Year

A2
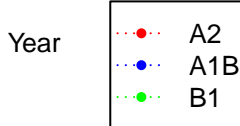A1B
B1

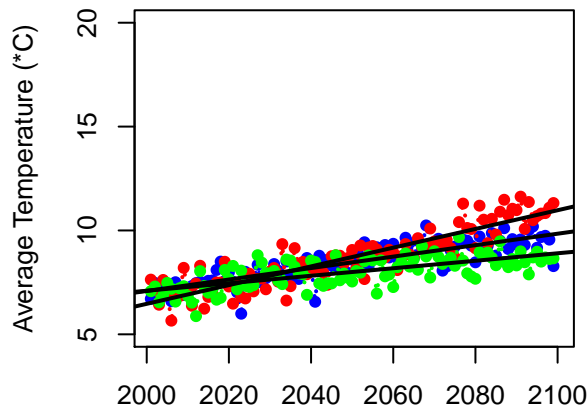**Average Temperature: cccma_cgcm3_1.sres.run1.tas**

SJER_M2M

y = 0.043x + −73.004
y = 0.027x + −39.905
y = 0.018x + −20.714

A2
A1B
B1

Year

Teakettle_M2M

y = 0.045x + −83.658
y = 0.028x + −48.065
y = 0.018x + −28.964

A2
A1B
B1

Year
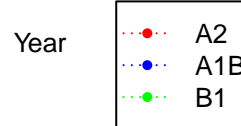
Tehachapi_High_M2M
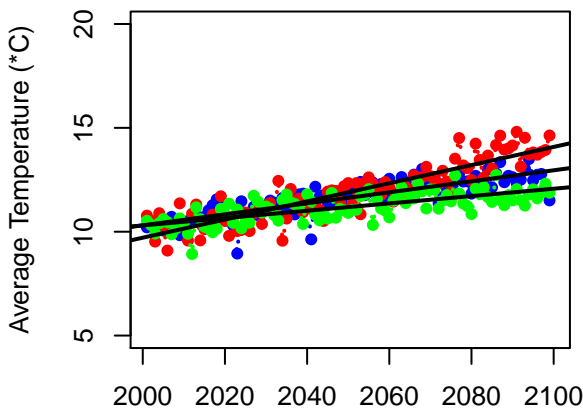
y = 0.044x + −77.706
y = 0.026x + −42.69
y = 0.018x + −25.031

A2
A1B
B1

Year
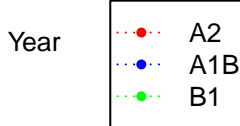
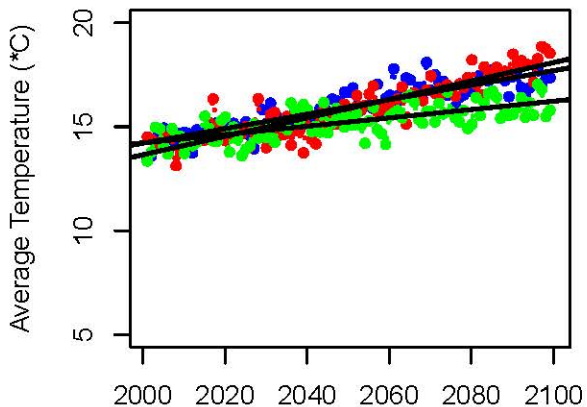**Tehachapi_Low_M2M**
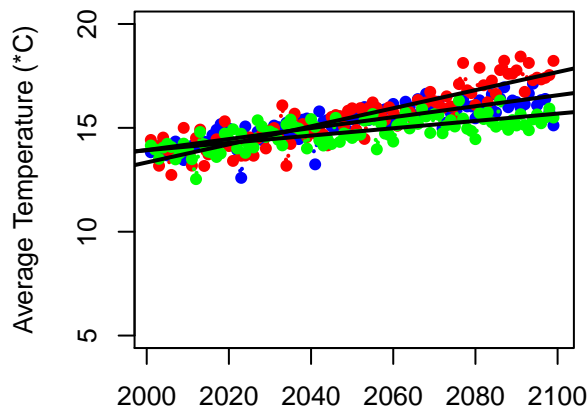
y = 0.044x + −73.677
y = 0.026x + −38.778
y = 0.018x + −21.32

A2
A1B
B1

Year
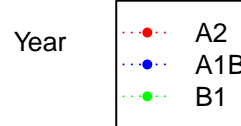
Average Temperature: gfdl_cm2_1_sres.run1.tas

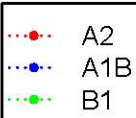## SJER_M2M

$y = 0.044x + -75.153$
$y = 0.035x + -55.636$
$y = 0.02x + -25.944$

Year

- A2
- A1B
- B1

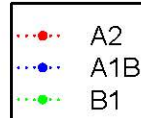## Teakettle_M2M
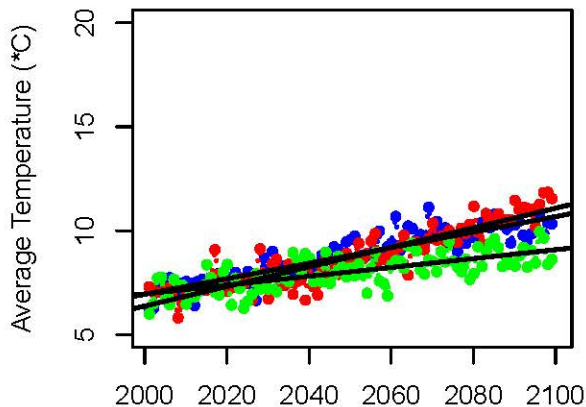
$y = 0.047x + -87.78$
$y = 0.037x + -67.759$
$y = 0.021x + -35.577$

Year

- A2
- A1B
- B1

Tehachapi_High_M2M
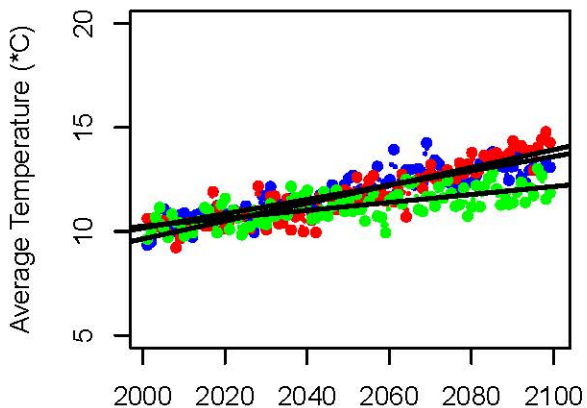
$y = 0.043x + -76.222$
$y = 0.034x + -58.664$
$y = 0.019x + -27.945$

Year

- A2
- A1B
- B1
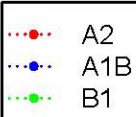
Tehachapi_Low_M2M
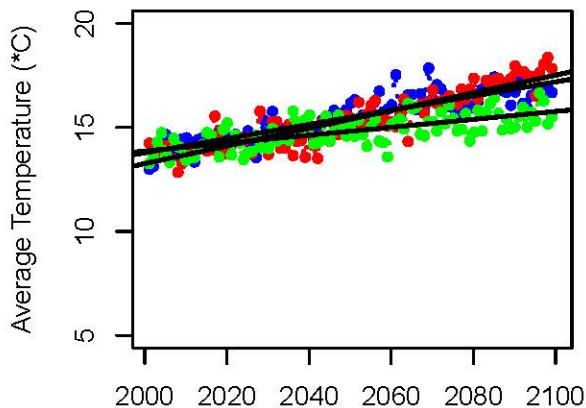
$y = 0.043x + -71.841$
$y = 0.034x + -54.435$
$y = 0.019x + -24.255$

Year

- A2
- A1B
- B1
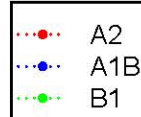
Average Temperature: mpi_echam5.sres.run3.tas
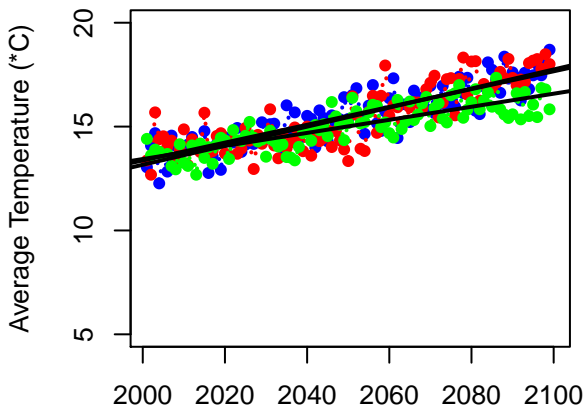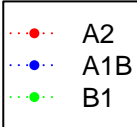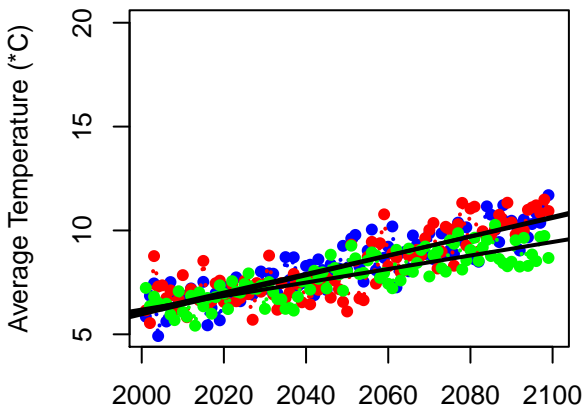
Average Temperature: ncar_ccsm3_0.sres.run1.tas
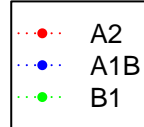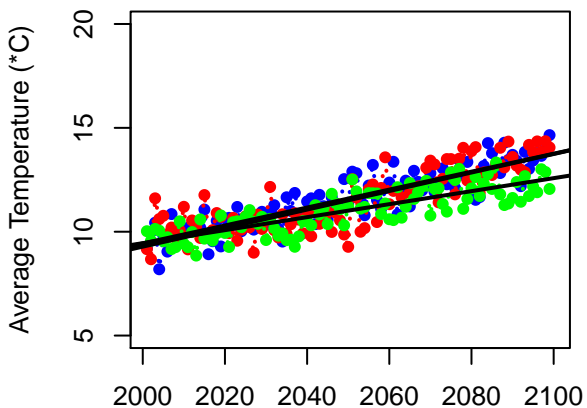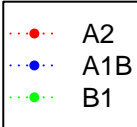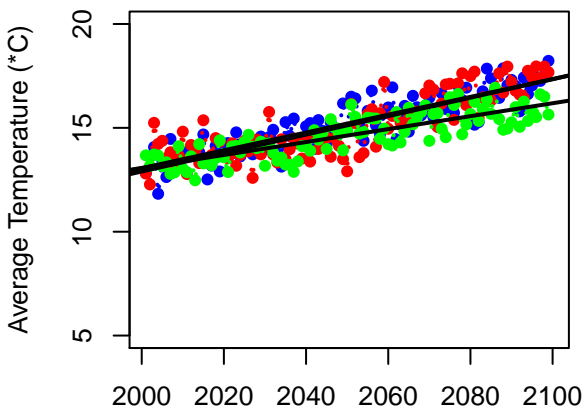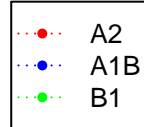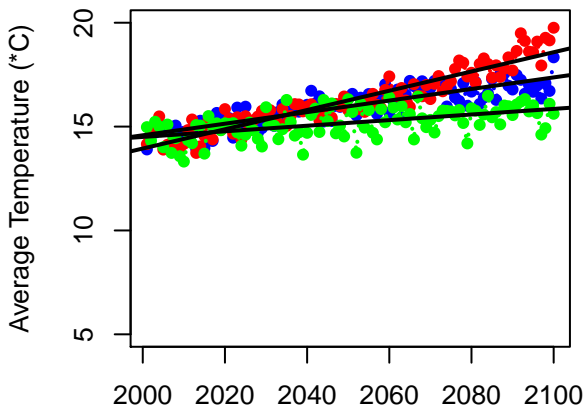
SJER_M2M

y = 0.046x + −78.771
y = 0.028x + −41.156
y = 0.014x + −12.501

A2
A1B
B1
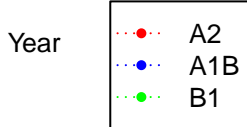
Teakettle_M2M

y = 0.048x + −89.363
y = 0.029x + −50.95
y = 0.014x + −19.914

A2
A1B
B1

Tehachapi_High_M2M

y = 0.043x + −76.189
y = 0.026x + −41.619
y = 0.012x + −13.561

A2
A1B
B1
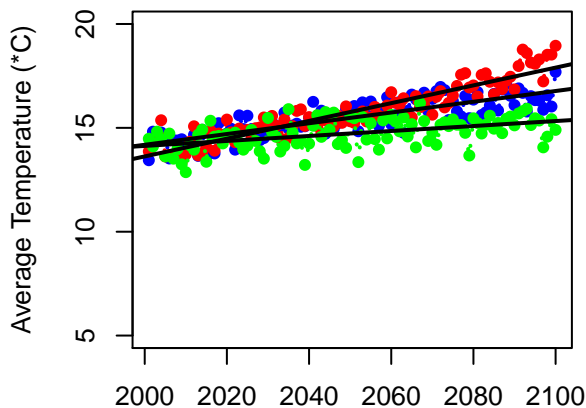
Tehachapi_Low_M2M

y = 0.043x + −71.877
y = 0.026x + −37.581
y = 0.012x + −9.839

A2
A1B
B1

Average Temperature: gfdl_cm2_0.sres.run1.tas

Average Temperature: ipsl_cm4.sres.run1.tas

SJER_M2M

Average Temperature (*C) vs Year

$y = 0.05x + -86.088$
$y = 0.042x + -70.345$
$y = 0.032x + -49.356$

Legend: A2, A1B, B1

Teakettle_M2M

Average Temperature (*C) vs Year
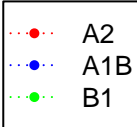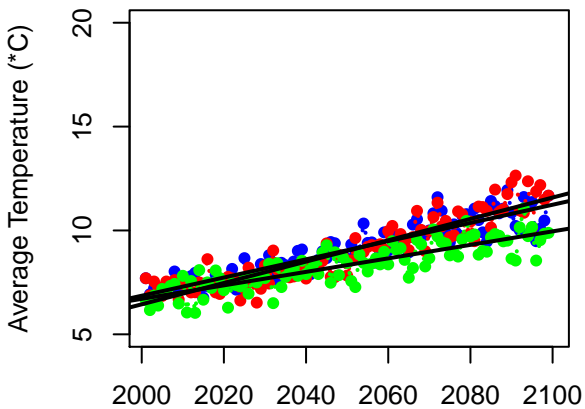
$y = 0.051x + -96.352$
$y = 0.044x + -80.722$
$y = 0.033x + -58.294$

Legend: A2, A1B, B1

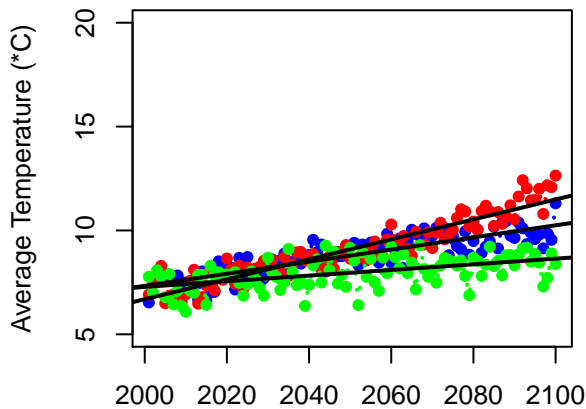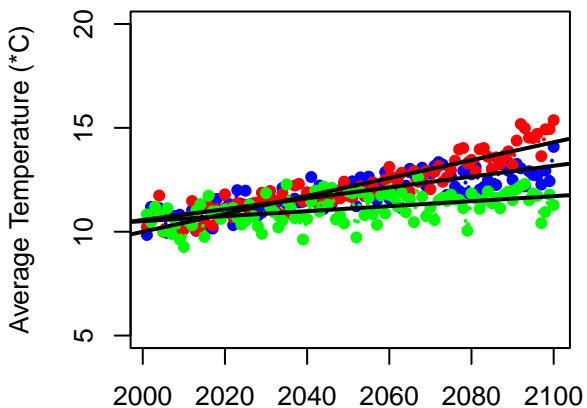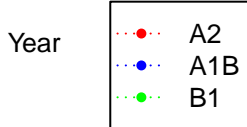## Tehachapi_High_M2M

Average Temperature (*C) vs Year

$y = 0.048x + -85.295$
$y = 0.04x + -69.102$
$y = 0.03x + -49.355$

Legend: A2, A1B, B1

Tehachapi_Low_M2M

Average Temperature (*C) vs Year

$y = 0.047x + -81.105$
$y = 0.039x + -64.906$
$y = 0.029x + -45.317$

Legend: A2, A1B, B1

Average Temperature: ukmo_hadcm3.sres.run1.tas

Average Temperature: miroc3_2_medres.sres.run1.tas

SJER_M2M

$y = 0.053x + -92.221$
$y = 0.042x + -70.345$
$y = 0.031x + -46.951$

A2
A1B
B1
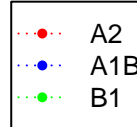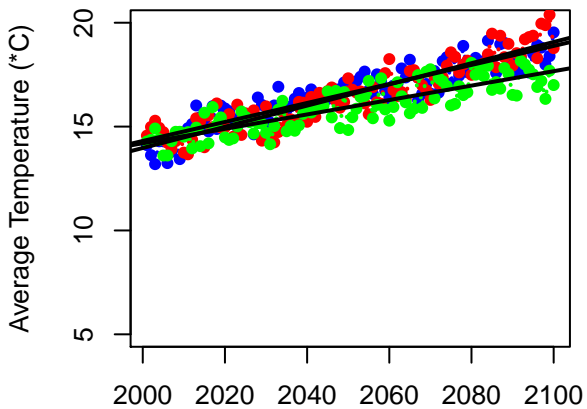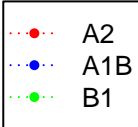
Teakettle_M2M

$y = 0.055x + -103.442$
$y = 0.044x + -80.722$
$y = 0.031x + -55.843$

A2
A1B
B1

Tehachapi_High_M2M

$y = 0.053x + -95.9$
$y = 0.04x + -69.102$
$y = 0.03x + -49.136$

A2
A1B
B1

Tehachapi_Low_M2M

$y = 0.052x + -91.564$
$y = 0.039x + -64.906$
$y = 0.03x + -45.134$

A2
A1B
B1

A2 Average Temperature: GCMs

SJER_M2M

$y = 0.044x + -74.577$

Teakettle_M2M

$y = 0.046x + -85.997$

Tahachapi_High_M2M

$y = 0.043x + -76.109$

Tahachapi_Low_M2M

$y = 0.043x + -71.921$

Ensemble GCMs Used:

gfdl_cm2_0_sresA2_run1_tas
gfdl_cm2_1_sresA2_run1_tas
csiro_mk3_0_A2_tas
csiro_mk3_5_A2_tas
cccma_cgcm3_1_sresA2_run1_tas
cnrm_cm3_sresA2_run1_tas

ipsl_cm4_sresA2_run1_tas
miroc3_2_medres_sresA2_run1_tas
mri_cgcm2_3_2a_sresA2_run1_tas
mpi_echam5_sresA2_run3_tas
ncar_ccsm3_0_sresA2_run1_tas
ukmo_hadcm3_sresA2_run1_tas

— A2 Mean
-- A2 CI, α = 0.05
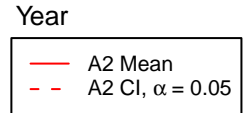
A1B Average Temperature: GCMs

SJER_M2M
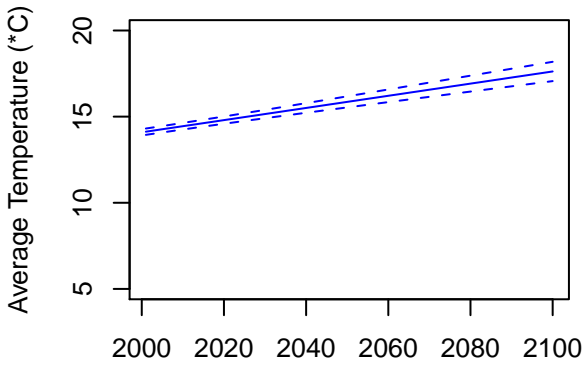
$y = 0.035x + -56.524$

Teakettle_M2M
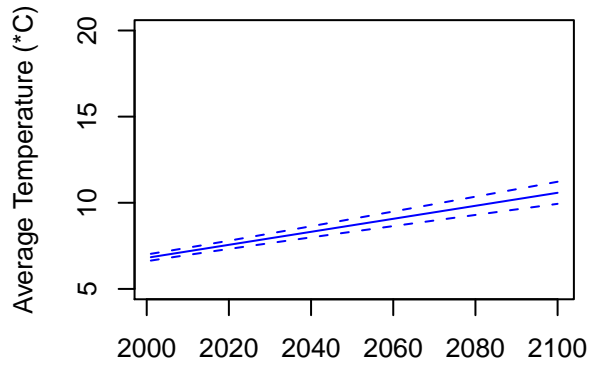
$y = 0.038x + -68.709$

Tahachapi_High_M2M
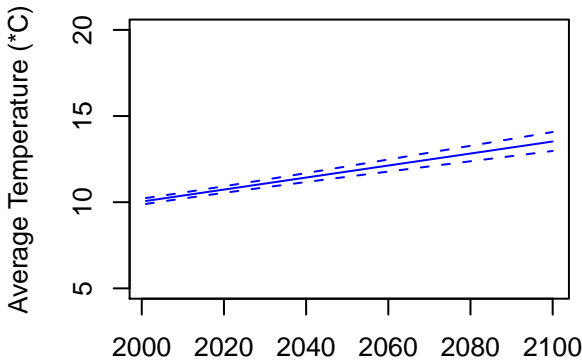
$y = 0.035x + -59.702$

Tahachapi_Low_M2M
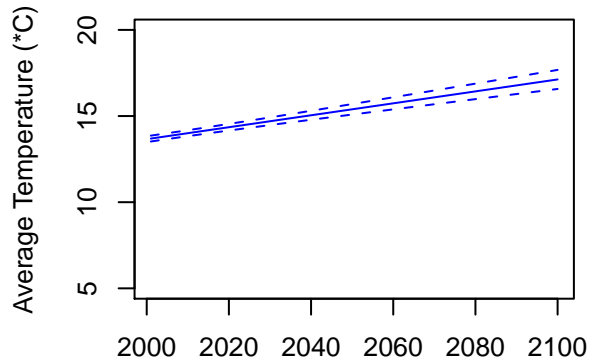
$y = 0.035x + -55.664$

Ensemble GCMs Used:

gfdl_cm2_0_sresA1B_run1_tas
gfdl_cm2_1_sresA1B_run1_tas
csiro_mk3_0_A1B_tas
csiro_mk3_5_A1B_tas
cccma_cgcm3_1_sresA1B_run1_tas
cnrm_cm3_sresA1B_run1_tas

ipsl_cm4_sresA1B_run1_tas
miroc3_2_medres_sresA1B_run1_tas
mri_cgcm2_3_2a_sresA1B_run1_tas
mpi_echam5_sresA1B_run3_tas
ncar_ccsm3_0_sresA1B_run1_tas
ukmo_hadcm3_sresA1B_run1_tas
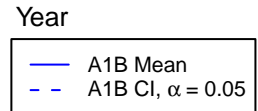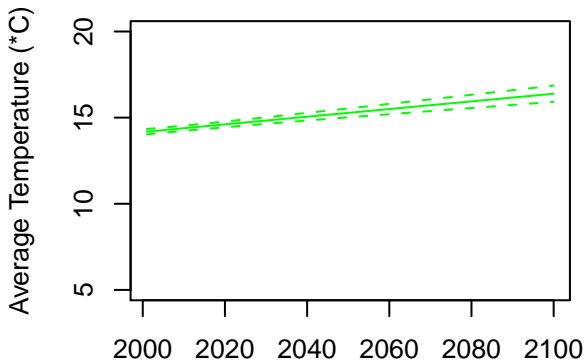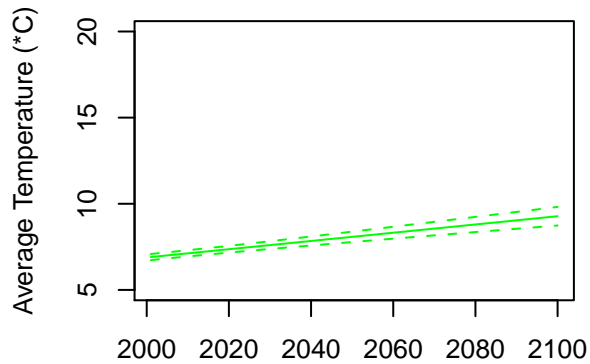
A1B Mean
A1B CI, $\alpha = 0.05$

B1 Average Temperature: GCMs

SJER_M2M

Average Temperature (*C)

Year

$y = 0.022x + -30.314$

Teakettle_M2M

Average Temperature (*C)

Year

$y = 0.024x + -40.996$

Tahachapi_High_M2M

Average Temperature (*C)

Year

$y = 0.022x + -33.352$

Tahachapi_Low_M2M

Average Temperature (*C)
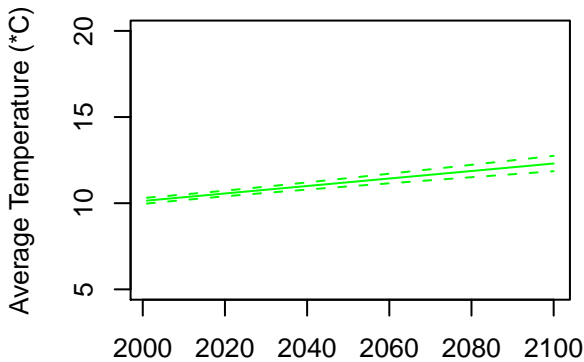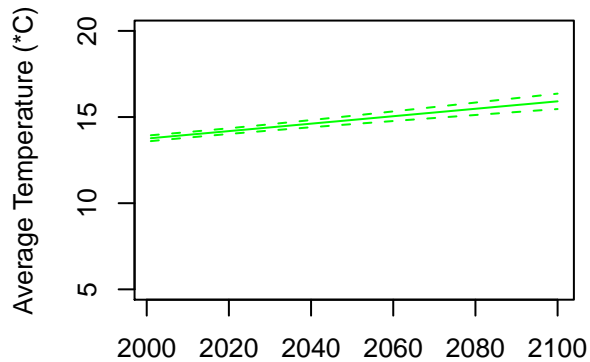
Year

$y = 0.022x + -29.474$

Ensemble GCMs Used:

gfdl_cm2_0_sresB1_run1_tas
gfdl_cm2_1_sresB1_run1_tas
csiro_mk3_0_B1_tas
csiro_mk3_5_B1_tas
cccma_cgcm3_1_sresB1_run1_tas
cnrm_cm3_sresB1_run1_tas

ipsl_cm4_sresB1_run1_tas
miroc3_2_medres_sresB1_run1_tas
mri_cgcm2_3_2a_sresB1_run1_tas
mpi_echam5_sresB1_run3_tas
ncar_ccsm3_0_sresB1_run1_tas
ukmo_hadcm3_sresB1_run1_tas

—— B1 Mean
– – B1 CI, α = 0.05

Average Precipitation: miroc3_2_medres.sres.run1.pr

Average Precipitation: miroc3_2_medres.sres.run1.pr

SJER_M2M, Teakettle_M2M, Tehachapi_High_M2M, Tehachapi_Low_M2M

SJER_M2M:
$y = -0.004x + 8.784$ (A2, red)
$y = -0.002x + 4.875$ (A1B, blue)
$y = -0.002x + 4.085$ (B1, green)
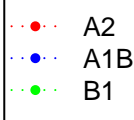
Teakettle_M2M:
$y = -0.008x + 19.087$ (A2, red)
$y = -0.005x + 11.77$ (A1B, blue)
$y = -0.003x + 8.948$ (B1, green)
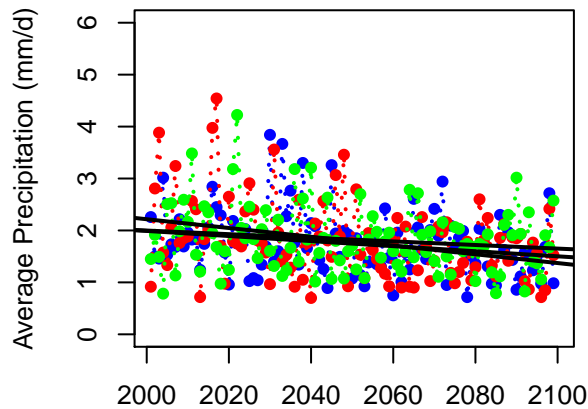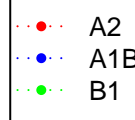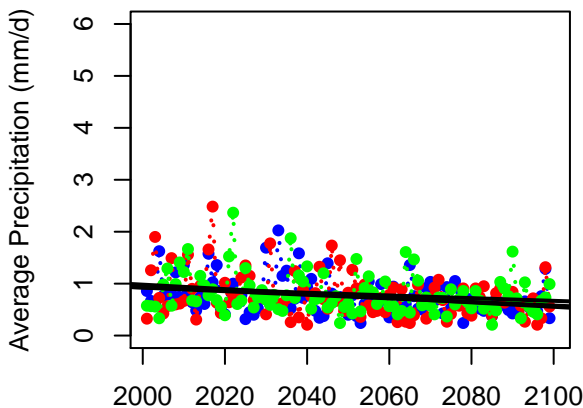
Tehachapi_High_M2M:
$y = -0.004x + 9.513$ (A2, red)
$y = -0.003x + 7.814$ (A1B, blue)
$y = -0.003x + 6.136$ (B1, green)
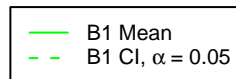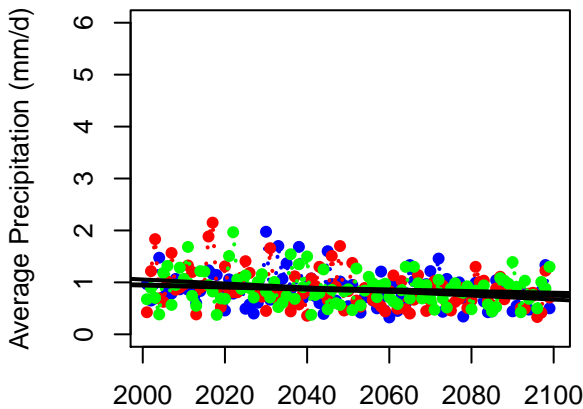
Tehachapi_Low_M2M:
$y = -0.003x + 7.47$ (A2, red)
$y = -0.003x + 6.146$ (A1B, blue)
$y = -0.002x + 4.828$ (B1, green)
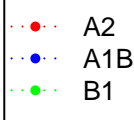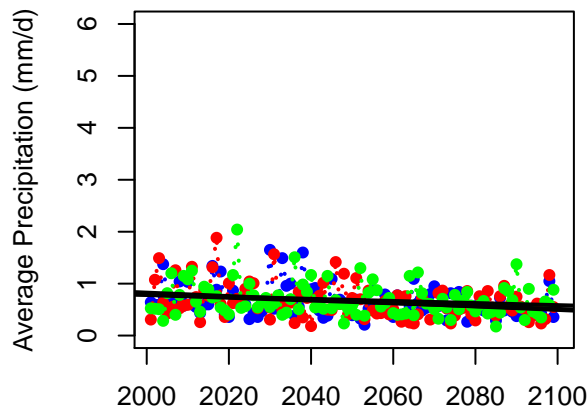
Average Precipitation: gfdl_cm2_1_sres.run1.pr
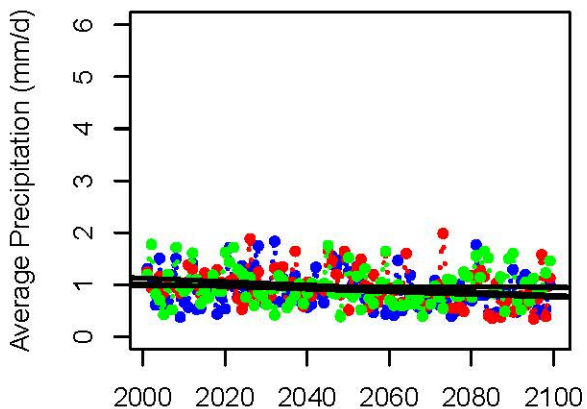
SJER_M2M

$y = -0.003x + 7.805$
$y = -0.003x + 6.113$
$y = 0x + 1.636$

Year

- A2
- A1B
- B1
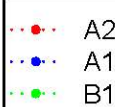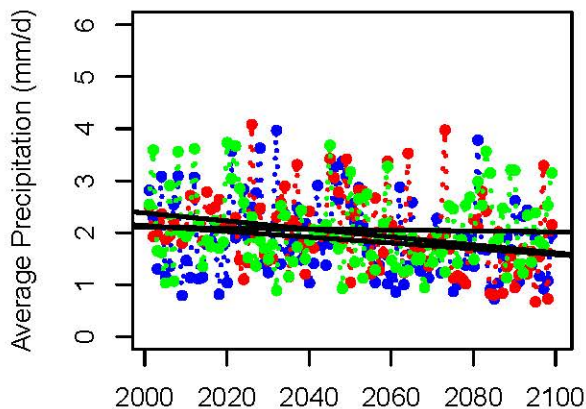
Teakettle_M2M

$y = -0.008x + 17.716$
$y = -0.006x + 13.249$
$y = -0.001x + 3.89$

Year

- A2
- A1B
- B1
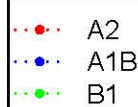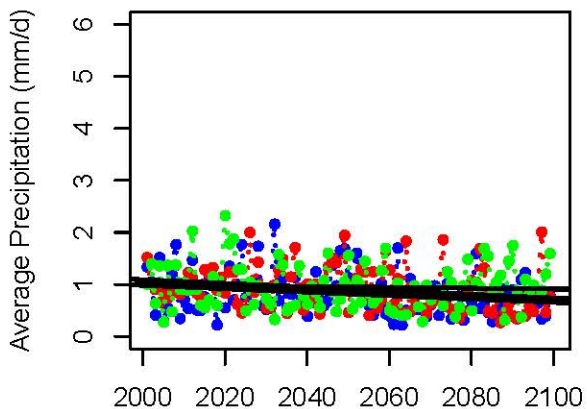
Tehachapi_High_M2M

$y = -0.004x + 8.134$
$y = -0.003x + 7.548$
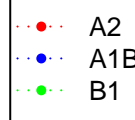$y = -0.001x + 2.613$

Year

- A2
- A1B
- B1
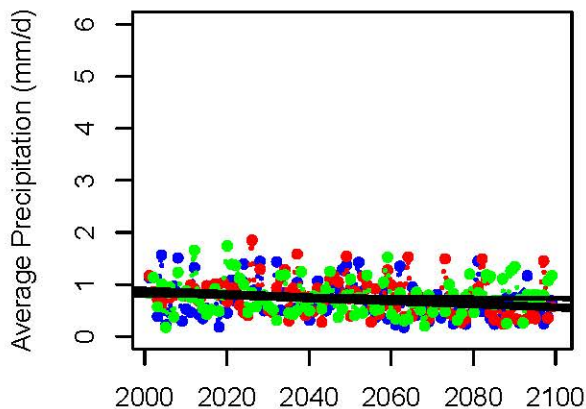
Tehachapi_Low_M2M

$y = -0.003x + 7.282$
$y = -0.003x + 6.665$
$y = -0.001x + 2.208$

Year

- A2
- A1B
- B1

Average Precipitation: gfdl_cm2_0.sres.run1.pr
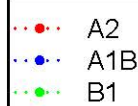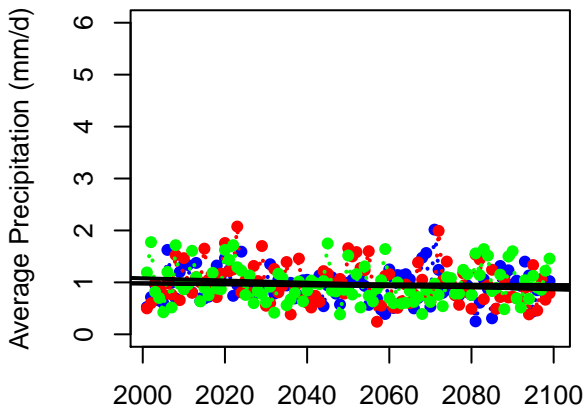
SJER_M2M

$y = -0.002x + 5.349$
$y = -0.001x + 2.762$
$y = 0x + 1.636$

Year

- A2
- A1B
- B1
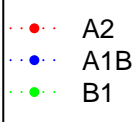
Teakettle_M2M

$y = -0.005x + 11.885$
$y = -0.002x + 5.971$
$y = -0.001x + 3.89$

Year

- A2
- A1B
- B1
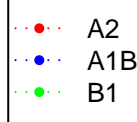
Tehachapi_High_M2M

$y = -0.003x + 6.148$
$y = 0x + 1.193$
$y = -0.001x + 2.613$

Year

- A2
- A1B
- B1
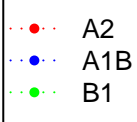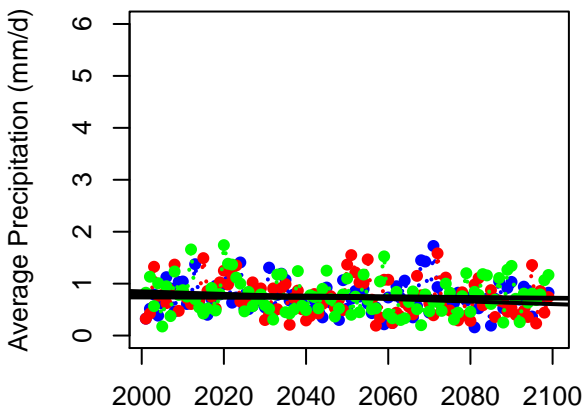
Tehachapi_Low_M2M

$y = -0.002x + 5.736$
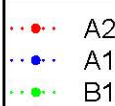$y = 0x + 1.173$
$y = -0.001x + 2.208$

Year

- A2
- A1B
- B1

Average Precipitation: mri_cgcm2_3_2a.sres.run1.pr
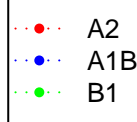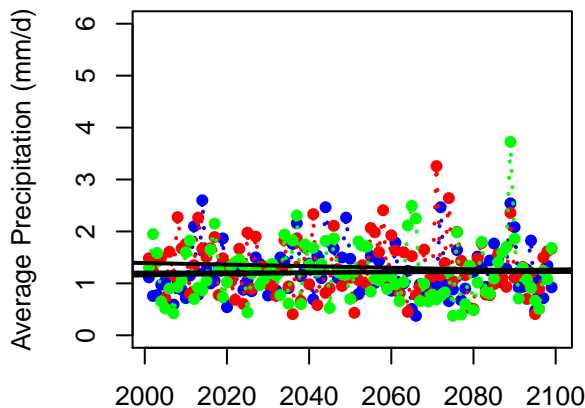
SJER_M2M

$y = -0.002x + 4.423$
$y = 0.001x + -1.088$
$y = 0x + 0.955$

Year

A2
A1B
B1
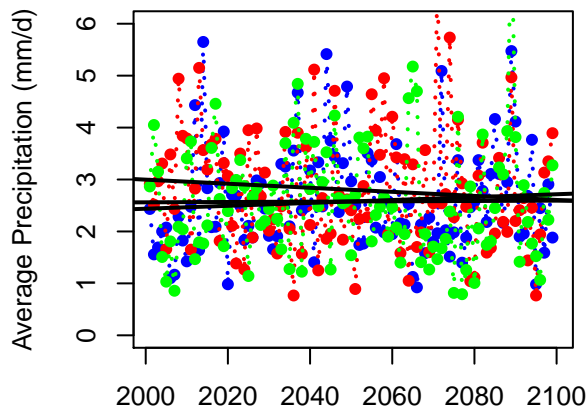
Teakettle_M2M

$y = -0.004x + 10.822$
$y = 0.003x + -3.13$
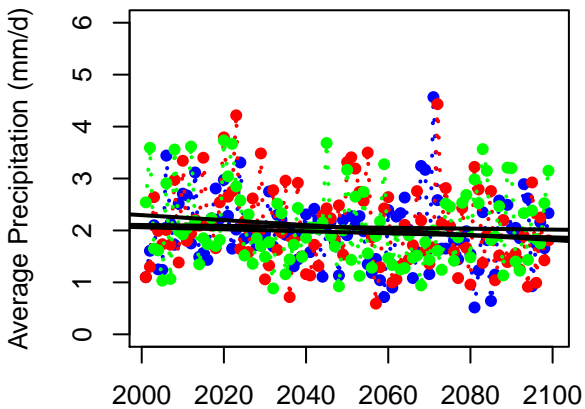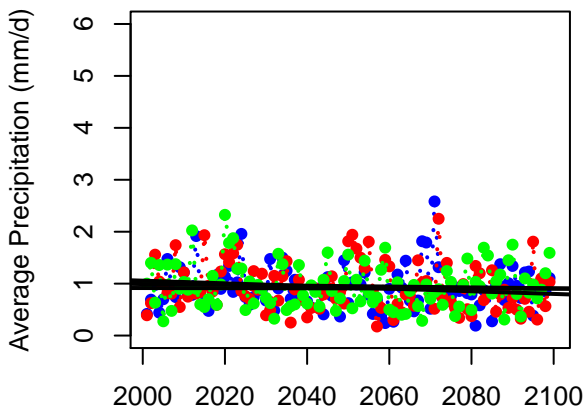$y = 0x + 1.917$

Year

A2
A1B
B1

Tehachapi_High_M2M

$y = -0.003x + 6.671$
$y = 0.001x + -0.055$
$y = 0x + 1.43$

Year

A2
A1B
B1
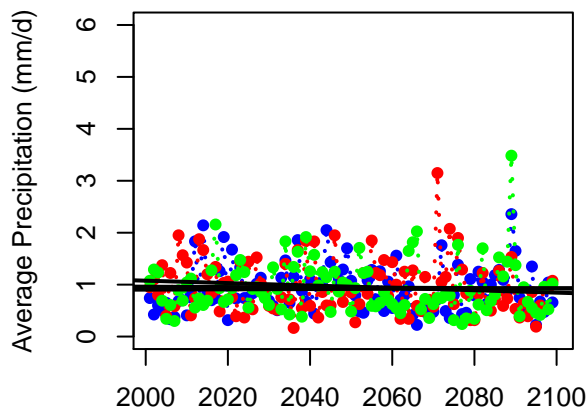
Tehachapi_Low_M2M

$y = -0.002x + 5.681$
$y = 0x + 0.396$
$y = 0x + 1.633$

Year

A2
A1B
B1

Average Precipitation: bccr_bcm2_0.sres.run1.pr

SJER_M2M

Average Precipitation (mm/d)

Year

$y = -0.001x + 2.511$
$y = 0x + 0.791$
$y = 0.001x + -1.126$

A2
A1B
B1

Teakettle_M2M

Average Precipitation (mm/d)

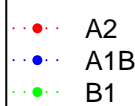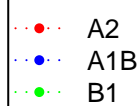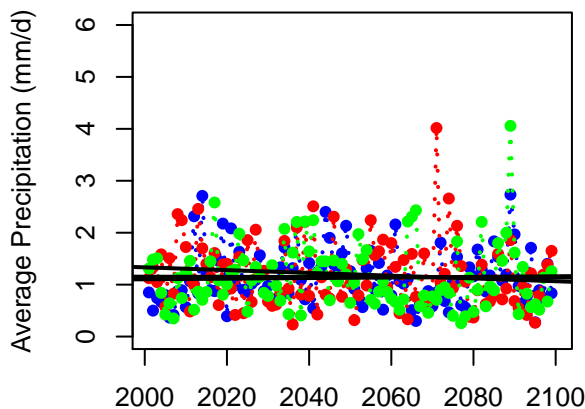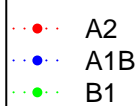Year

$y = -0.001x + 4.91$
$y = 0x + 2.046$
$y = 0.003x + -3.192$

A2
A1B
B1

Tehachapi_High_M2M

Average Precipitation (mm/d)

Year

$y = 0x + 1.379$
$y = 0x + 0.678$
$y = 0.002x + -3.42$

A2
A1B
B1

Tehachapi_Low_M2M

Average Precipitation (mm/d)

Year

$y = -0.001x + 2.33$
$y = 0x + 1.596$
$y = 0.002x + -2.525$

A2
A1B
B1

Average Precipitation: ukmo_hadcm3.sres.run1.pr

SJER_M2M

$y = -0.001x + 3.737$
$y = -0.002x + 4.548$
$y = -0.002x + 4.928$

Year

- A2
- A1B
- B1
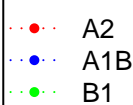
Teakettle_M2M

$y = -0.003x + 8.301$
$y = -0.003x + 7.943$
$y = -0.004x + 10.981$

Year

- A2
- A1B
- B1
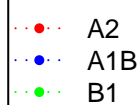
Tehachapi_High_M2M

$y = -0.001x + 3.887$
$y = -0.001x + 3.601$
$y = -0.003x + 6.796$

Year

- A2
- A1B
- B1

Tehachapi_Low_M2M

$y = -0.002x + 3.859$
$y = -0.001x + 2.824$
$y = -0.002x + 5.5$

Year
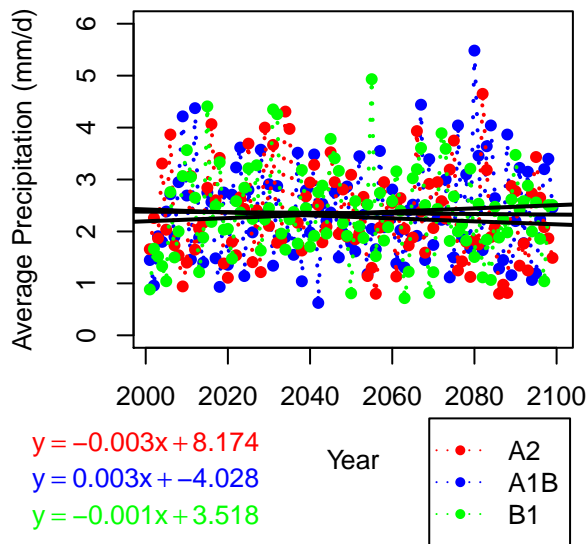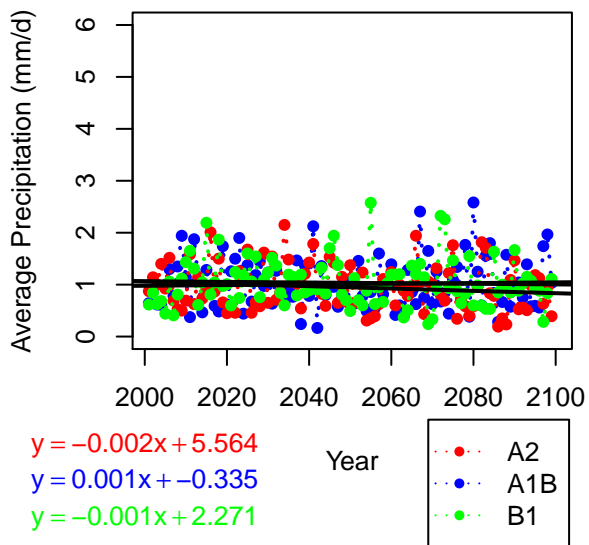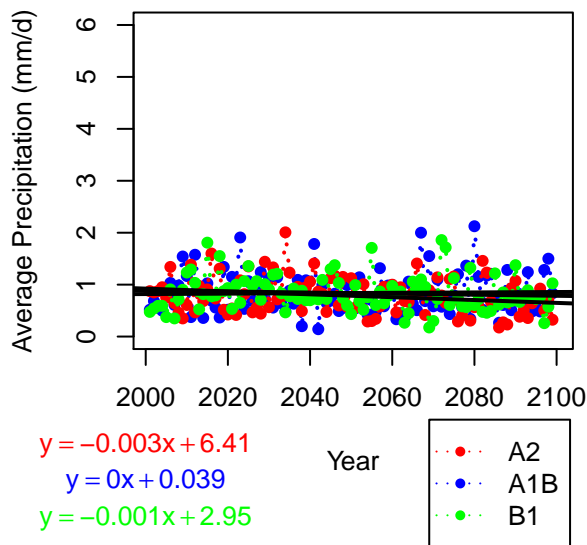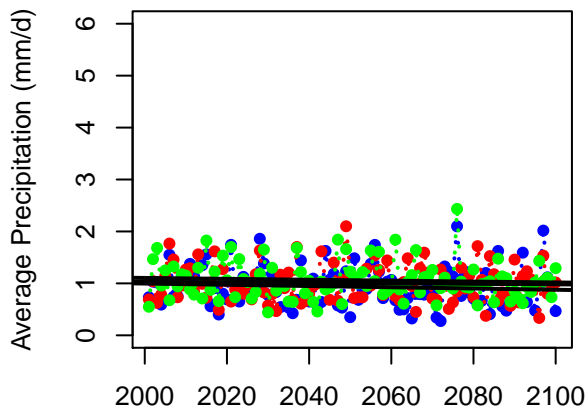
- A2
- A1B
- B1

Average Precipitation: cccma_cgcm3_1.sres.run1.pr

SJER_M2M

$y = -0.001x + 3.481$
$y = 0.002x + -1.974$
$y = 0x + 1.554$

Year

A2
A1B
B1

Teakettle_M2M

$y = -0.003x + 8.174$
$y = 0.003x + -4.028$
$y = -0.001x + 3.518$

Year

A2
A1B
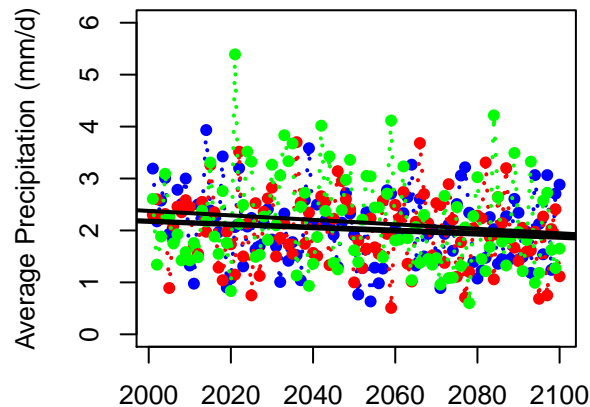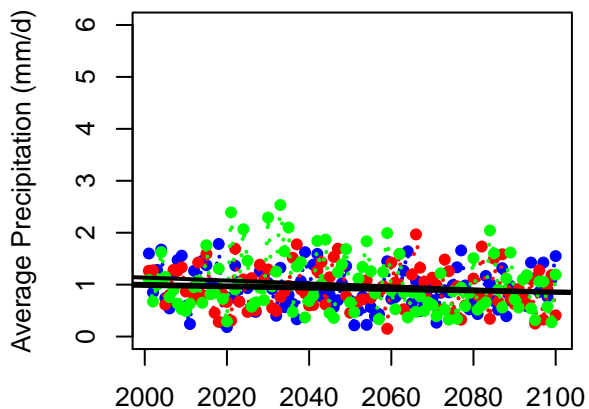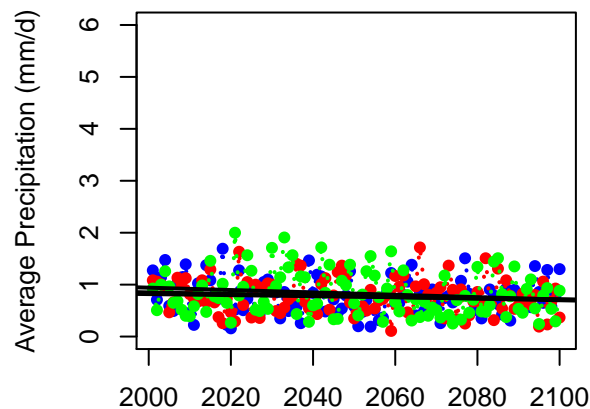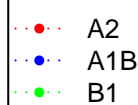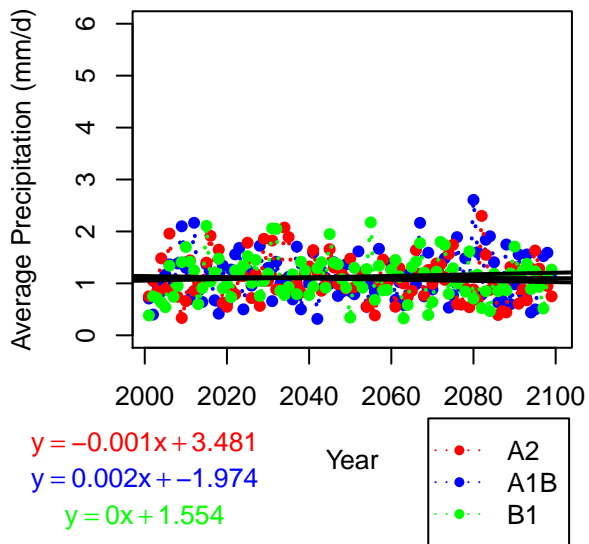B1

Tehachapi_High_M2M

$y = -0.002x + 5.564$
$y = 0.001x + -0.335$
$y = -0.001x + 2.271$

Year

A2
A1B
B1

Tehachapi_Low_M2M

$y = -0.003x + 6.41$
$y = 0x + 0.039$
$y = -0.001x + 2.95$

Year

A2
A1B
B1

Average Precipitation: ncar_ccsm3_0.sres.run1.pr

Average Precipitation: csiro_mk3_0.sres.run1.pr
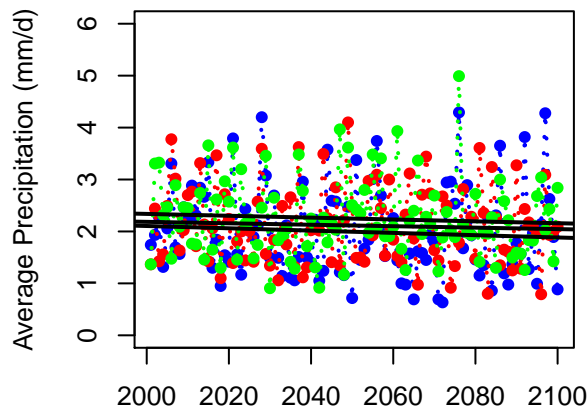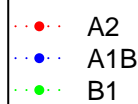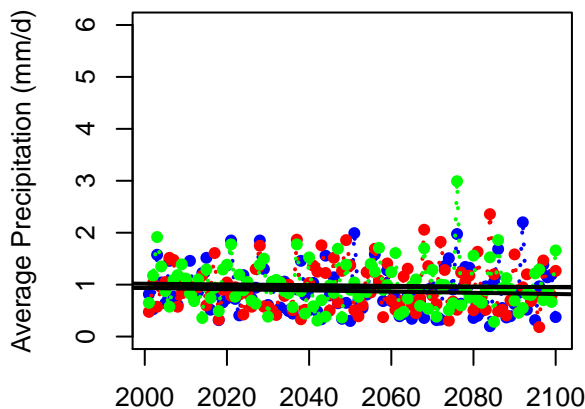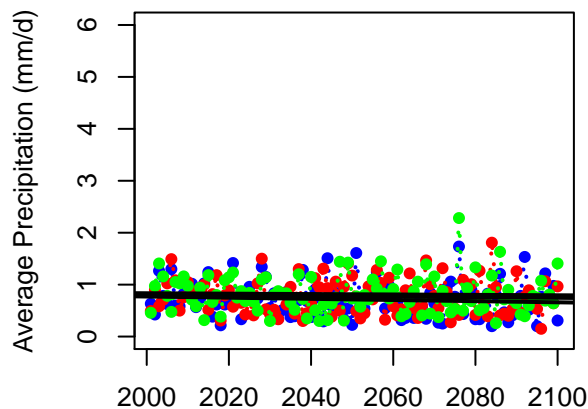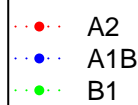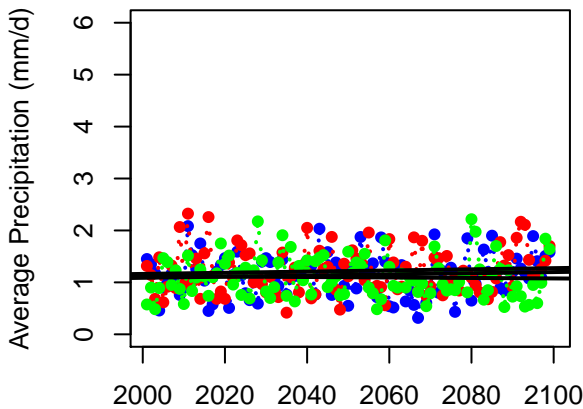
SJER_M2M

$y = 0.001x + -1.059$
$y = 0.001x + -1.124$
$y = 0x + 2.037$

Year

- A2
- A1B
- B1

Teakettle_M2M

$y = 0.002x + -1.297$
$y = 0.002x + -2.107$
$y = -0.001x + 3.856$

Year

- A2
- A1B
- B1

Tehachapi_High_M2M

$y = 0.001x + -0.153$
$y = 0.001x + -1.968$
$y = 0x + 1.31$

Year

- A2
- A1B
- B1

Tehachapi_Low_M2M

$y = 0.001x + -0.211$
$y = 0.001x + -0.864$
$y = 0x + 1.221$

Year

- A2
- A1B
- B1

Average Precipitation: csiro_mk3_5.pr

SJER_M2M

Average Precipitation (mm/d) vs Year
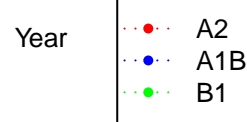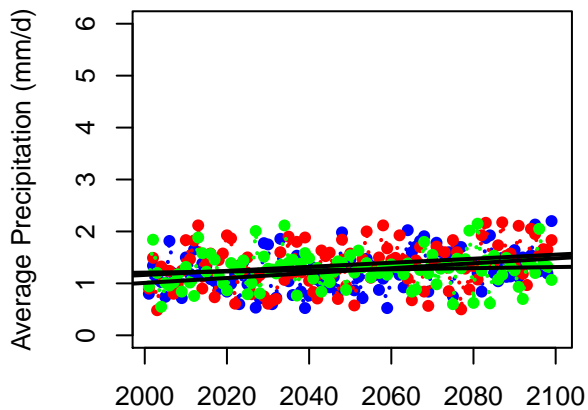
$y = 0.004x + -6.653$
$y = 0.005x + -8.442$
$y = 0.001x + -0.938$

A2
A1B
B1

Teakettle_M2M

Average Precipitation (mm/d) vs Year

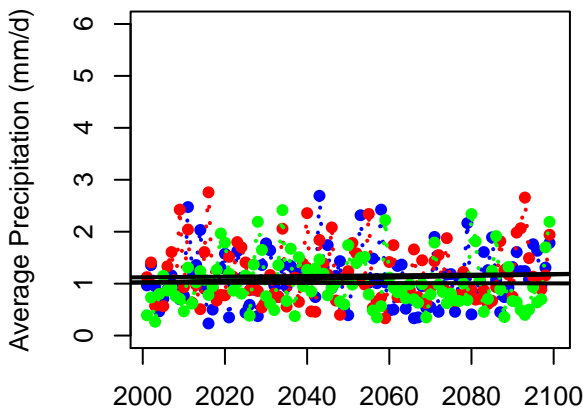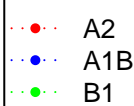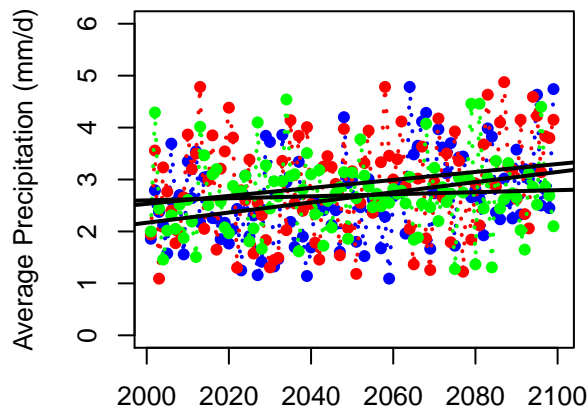$y = 0.008x + -12.817$
$y = 0.01x + -17.38$
$y = 0.002x + -1.329$

A2
A1B
B1

Tehachapi_High_M2M
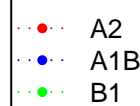
Average Precipitation (mm/d) vs Year
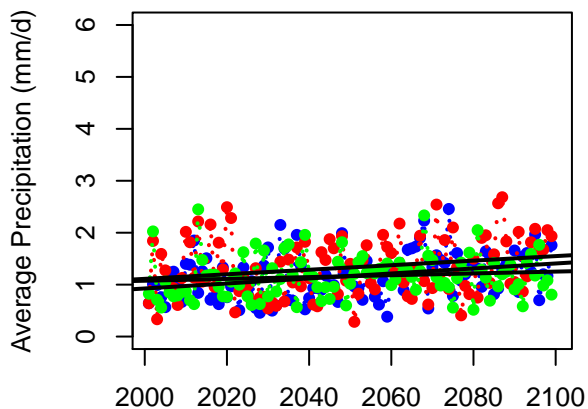
$y = 0.004x + -7.644$
$y = 0.005x + -8.705$
$y = 0.002x + -2.451$

A2
A1B
B1

Tehachapi_Low_M2M
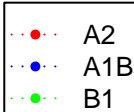
Average Precipitation (mm/d) vs Year
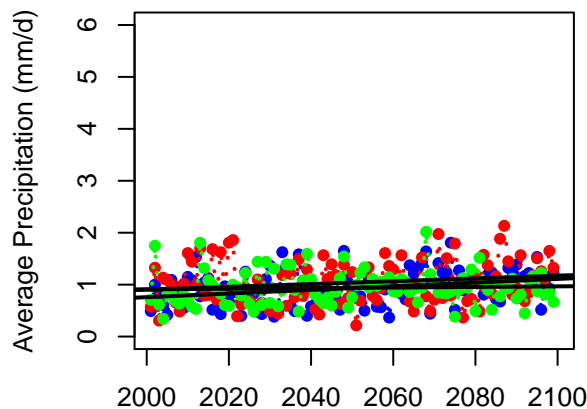
$y = 0.003x + -4.463$
$y = 0.004x + -6.27$
$y = 0.001x + -0.245$
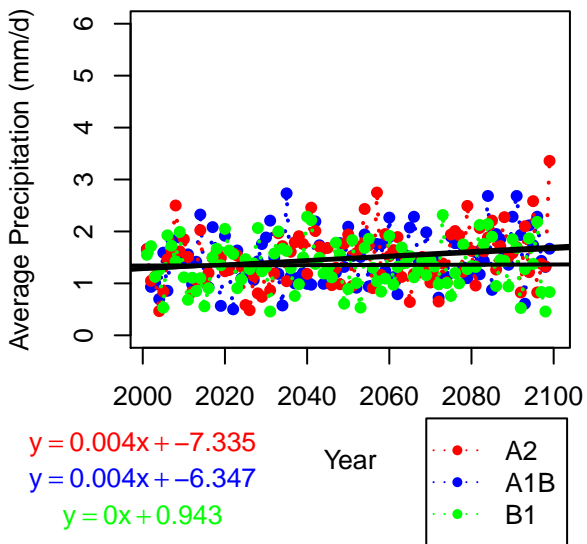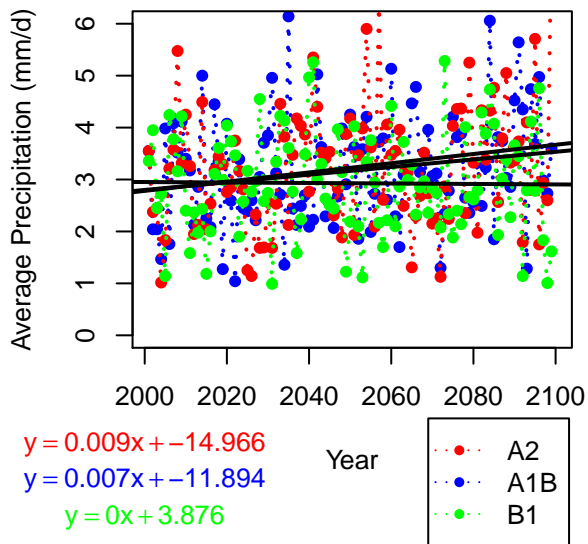
A2
A1B
B1

Average Precipitation: ipsl_cm4.sres.run1.pr

A2 Average Precipitation: GCMs

SJER_M2M

$y = -0.001x + 2.395$

Teakettle_M2M

$y = -0.002x + 5.913$

Tehachapi_High_M2M

$y = -0.001x + 3.146$

Tehachapi_Low_M2M

$y = -0.001x + 3.486$
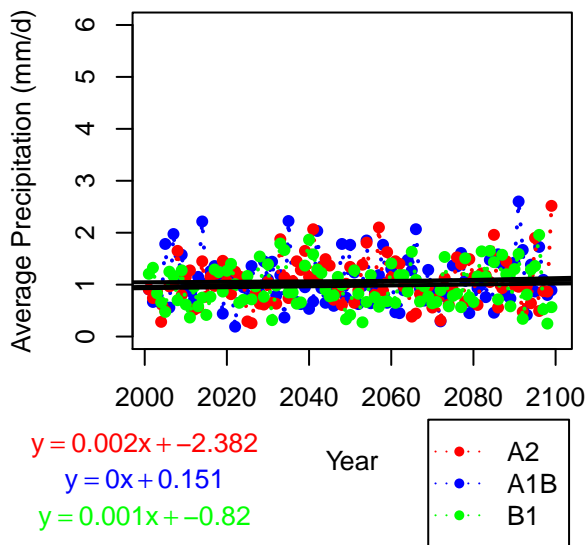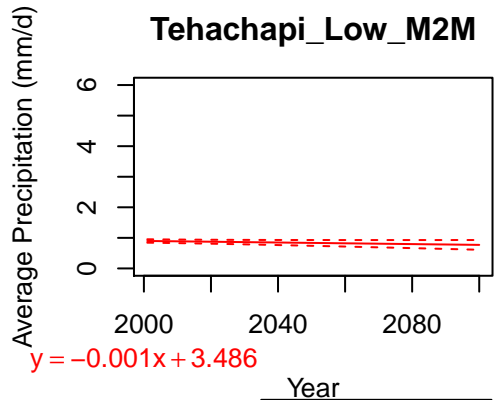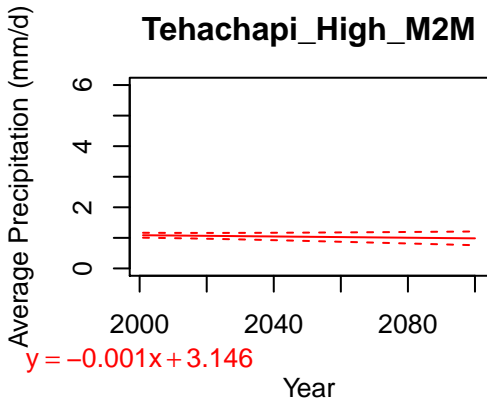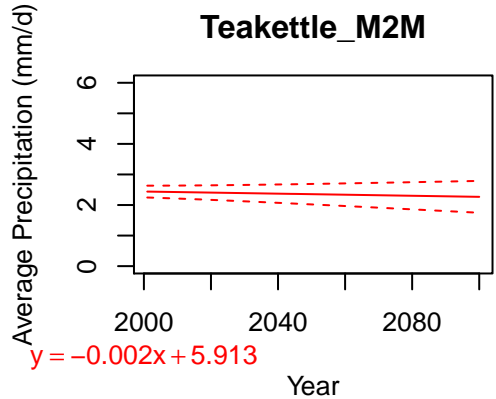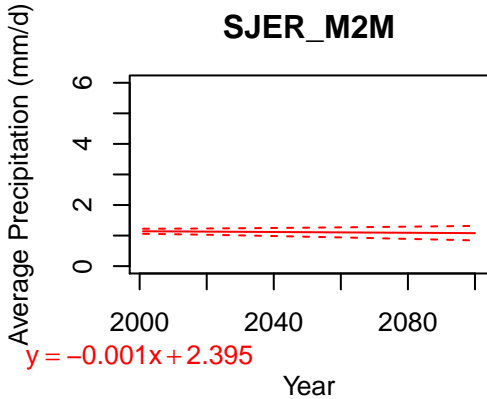
Ensemble GCMs Used:

gfdl_cm2_0_sresA2_run1_pr
gfdl_cm2_1_sresA2_run1_pr
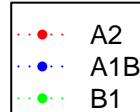*csiro_mk3_0_A2_pr*
csiro_mk3_5_A2_pr
cccma_cgcm3_1_sresA2_run1_pr

ipsl_cm4_sresA2_run1_pr
miroc3_2_medres_sresA2_run1_pr
mri_cgcm2_3_2a_sresA2_run1_pr
bccr_bcm2_0_sresA2_run1_pr
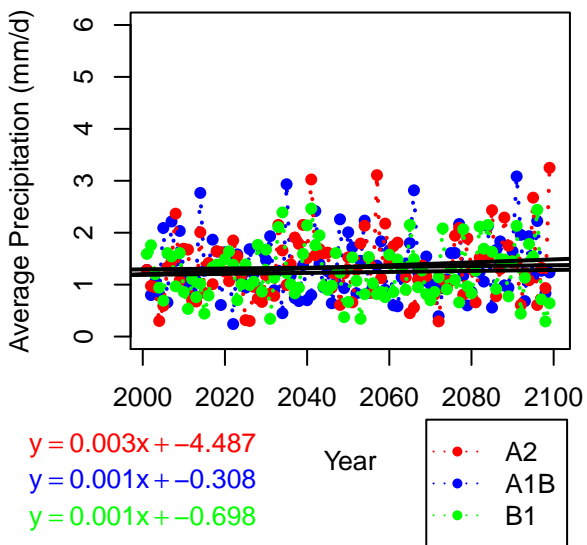*ncar_ccsm3_0_sresA2_run1_pr*
ukmo_hadcm3_sresA2_run1_pr

A2 Mean
A2 CI, $\alpha = 0.05$

A1B Average Precipitation: GCMs

SJER_M2M

$y = 0x + 0.48$

Teakettle_M2M

$y = 0.001x + 1.156$

Tehachapi_High_M2M

$y = 0x + 0.826$

Tehachapi_Low_M2M

$y = 0x + 1.594$

Ensemble GCMs Used:

gfdl_cm2_0_sresA1B_run1_pr
gfdl_cm2_1_sresA1B_run1_pr
csiro_mk3_0_A1B_pr
csiro_mk3_5_A1B_pr
cccma_cgcm3_1_sresA1B_run1_pr

ipsl_cm4_sresA1B_run1_pr
miroc3_2_medres_sresA1B_run1_pr
mri_cgcm2_3_2a_sresA1B_run1_pr
bccr_bcm2_0_sresA1B_run1_pr
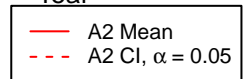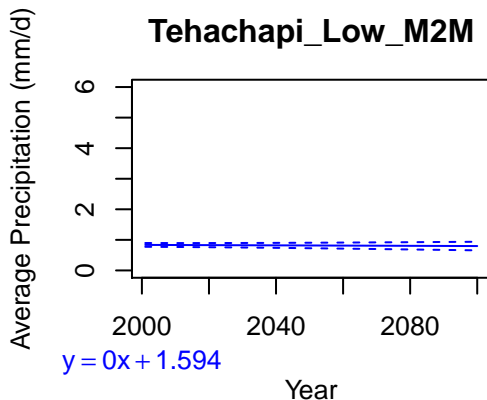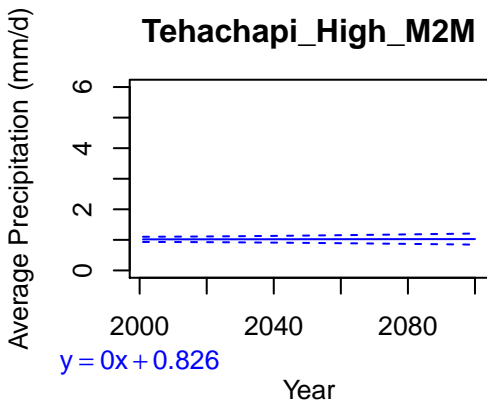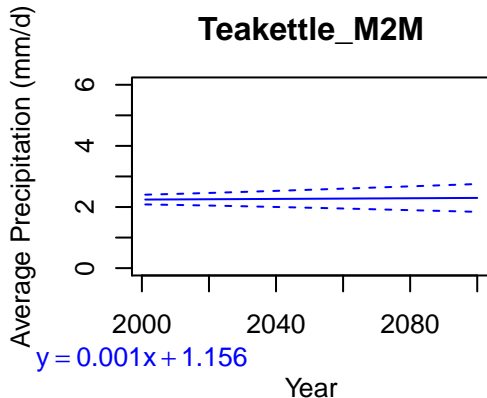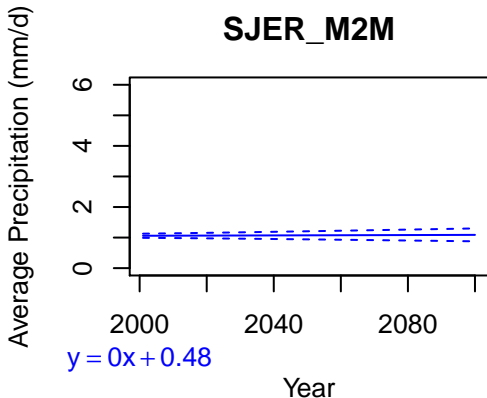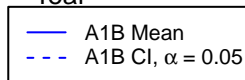*ncar_ccsm3_0_sresA1B_run1_pr*
ukmo_hadcm3_sresA1B_run1_pr

— A1B Mean
-- A1B CI, $\alpha = 0.05$

B1 Average Precipitation: GCMs

SJER_M2M

$y = 0x + 2.002$

Teakettle_M2M

$y = -0.001x + 4.726$

Tehachapi_High_M2M
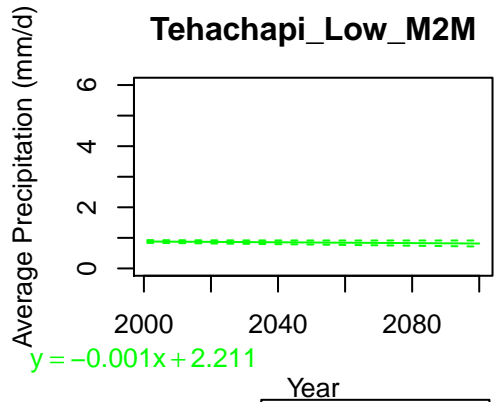

$y = -0.001x + 2.321$

Tehachapi_Low_M2M

$y = -0.001x + 2.211$
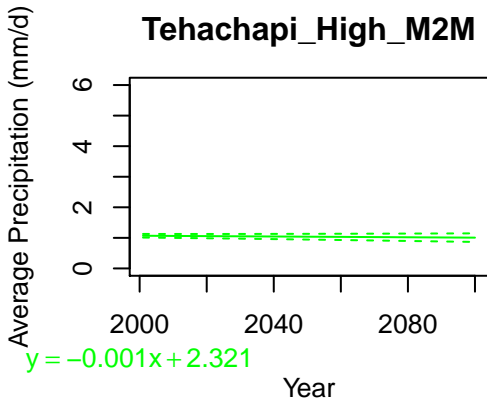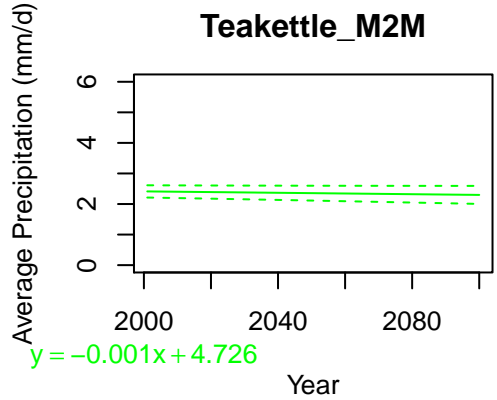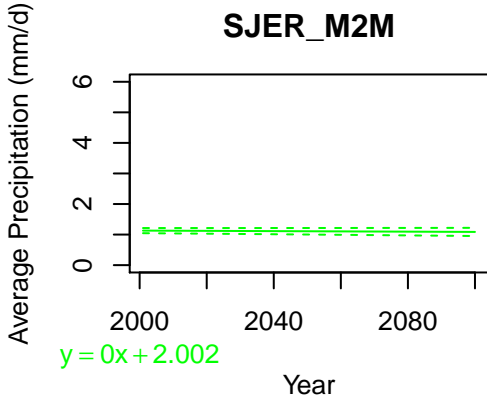
Ensemble GCMs Used:

gfdl_cm2_0_sresB1_run1_pr
gfdl_cm2_1_sresB1_run1_pr
csiro_mk3_0_B1_pr
csiro_mk3_5_B1_pr
cccma_cgcm3_1_sresB1_run1_pr

ipsl_cm4_sresB1_run1_pr
miroc3_2_medres_sresB1_run1_pr
mri_cgcm2_3_2a_sresB1_run1_pr
bccr_bcm2_0_sres_run1_pr
ncar_ccsm3_0_sresB1_run1_pr
ukmo_hadcm3_sresB1_run1_pr

— B1 Mean
- - - B1 CI, $\alpha = 0.05$