An Atlas of the Global Water Cycle

Based on the IPCC AR4 Climate Models

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1 Introduction

1.1 Rationale & Motivation

There is much discussion in the scientific literature and concern in the wider community about changing water availability associated with the enhanced greenhouse effect. That is not surprising – water is essential for life on earth.

What will happen to water availability in the future? Will it remain the same or will it change?

If models predict declining precipitation should dryland agricultural industries begin relocation to suitable regions where the models predict increasing precipitation?

Are the current urban water supplies sufficient to meet the expected demand or do we need to plan for increased storage or perhaps construct desalinisation plants?

These are profound and important questions facing governments, communities and individuals world-wide.

Water-based planning has traditionally been based on estimating water supply using historic precipitation (as well as evaporation and runoff) records combined with projections of population and irrigation needs to forecast future demand.

The central challenge faced by individuals, communities and governments world-wide is that the historic precipitation (as well as evaporation and runoff) patterns may not stay the same because of the enhanced greenhouse effect.

Climate models are now being used to try and forecast how regional water availability might change in the future. For example, in their fourth assessment report published in 2007, the IPCC (www.ipcc.ch) presented projections of precipitation out to 2100. Those projections were based on averaging the output from different climate models.

In principle only one particular precipitation pattern will happen in future. In that context, it is not immediately obvious why the best estimate of that particular pattern should be the average of the projections made by 20 different climate models. In fact it is not immediately obvious what the best projection would be (McWilliams 2007). For example, some models simulate the historic precipitation (1900-2000) of a particular region, say Australia, better than others. If a model makes a better estimate during the historic period, then intuitively, it seems more likely that it might make a better projection into the future (Whetton et al. 2007, Pitman & Perkins 2008). This is an area of active and ongoing research.

The obvious question arises: how accurate are existing models in simulating the precipitation in different regions over the last 100 years? There is vast literature on this topic in thousands of individual reports and scientific papers. However, most papers only deal with a single model, or when they deal with several, they present averages so it is very difficult, if not impossible, to see how the simulations and projections vary from one model to the next, or from one model run to the next.

What is needed is a simple "Atlas" with maps from all the different model runs showing water balance simulations for the last 100 years alongside projections for the next 100 years. That was the rationale and motivation for this research.

1.2 Atlas Contents

Output data for the climate model simulations were available from the World Climate Research Programme's (WCRP's) Coupled Model Intercomparison Project phase 3 (CMIP3) multi-model dataset. The same database was used to prepare the 2007 IPCC 4th Assessment Report. Hence, the maps and tables presented here can be considered as the "detail" that underpins the water balance summaries presented in the IPCC 4th Assessment report.

We used the above-noted data to compile maps for the globe and for Australia showing precipitation, evaporation and their difference (i.e., runoff) for the historic period (1970-1999) and for the future (2070-2099). Each set of maps is accompanied by tables that summarise the precipitation, evaporation and their difference, by continent, and then by latitude that is further split into land and ocean components. The tables also summarise the differences between simulations of historic (1970-1999) and future (2070-2099) precipitation, evaporation and their difference.

For Australia we prepared plots comparing the model simulations of continental precipitation with the official Bureau of Meteorology observations for the historic period (1900-2007, see section 3.2). This allows a rapid visual assessment of how well the model performed.

2 Methods

2.1 Models and Scenarios

Grids containing monthly climate model output for precipitation, evaporation and near-surface air temperature were downloaded from the multi-model climate data archive (https://esgcet.llnl.gov:8443/index.jsp). Output from 20 models were downloaded for the historic period known as the 20C3M scenario (20th Century Model Runs) and for two future scenarios known as the A1B and A2 scenarios. The future scenarios assume an emissions trajectory with the A1B scenario based on mid-range emissions while the A2 scenario assumes a higher level of emissions (see Appendix for details). In some cases, multiple runs from a given model were available and these were analysed individually. The number of available runs for each model-scenario combination are summarised in Table 1. In total, we prepared maps and summary tables based on the 39 model runs that covered both the historic period (20C3M) and the future (A1B scenario). When an A2 scenario was available the results were summarised in tables.

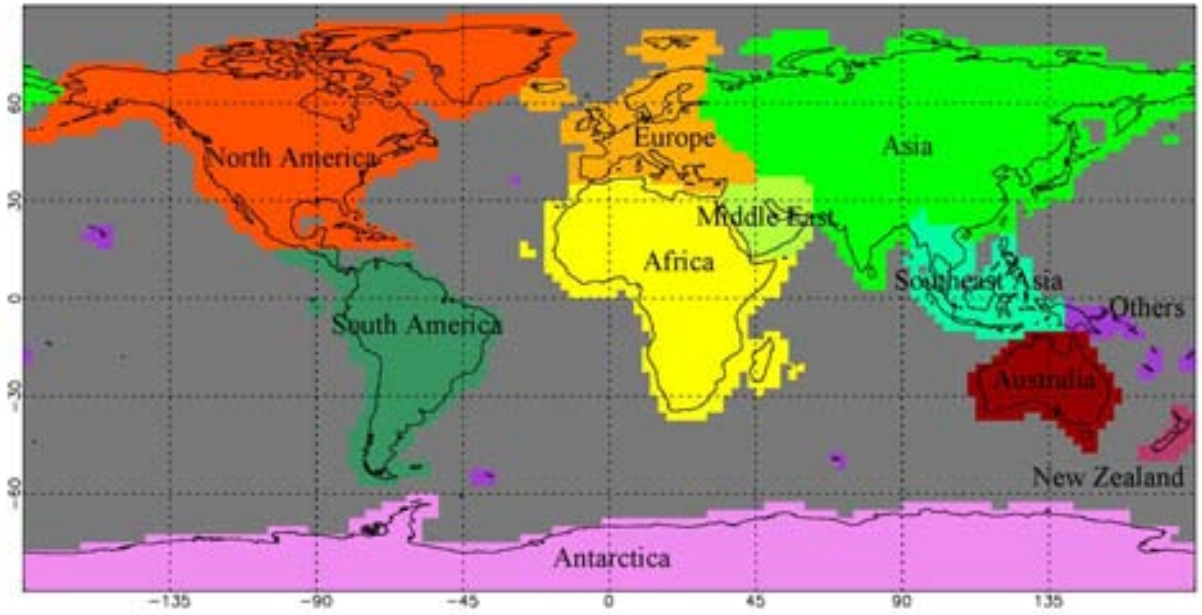
Table 1: Summary of the climate model output showing number of monthly runs available for each model-scenario combination.

Model (Country)	Scenario		
	20C3M	A1B	A2
BCCR-BCM2.0 (Norway)	1	1	1
CGCM3.1(t63) (Canada)	1	1	-
CNRM-CM3 (France)	1	1	1
CSIRO-Mk3.0 (Australia)	3	1	1
CSIRO-Mk3.5 (Australia)	1	1	1
GFDL-CM2.0 (USA)	3	1	1
GISS-AOM (USA)	2	2	-
GISS-EH (USA)	5	3	-
GISS-ER (USA)	9	2	-
INGV-ECHAM4 (Europe, ECMWF[a])	1	1	1
INM-CM3.0 (Russia)	1	1	1
IPSL-CM4 (France)	1	1	1
MIROC3.2_HIRES (Japan)	1	1	-
MIROC3.2_MEDRES (Japan)	2	2	2
MIUB-ECHO-G (Germany/Korea)	5	3	3
MPI-ECHAM5 (Germany)	4	4	3
NCAR-CCSM3.0 (USA)	8	7	3
NCAR-PCM1 (USA)	4	4	4
UKMO-HADCM3 (UK)	2	1	1
UKMO-HADGEM1 (UK)	2	1	1
Total	57	39	25

[a] European Centre for Medium-Range Weather Forecasts

2.2 Definition of Regions

Figure 1: Continental regions defined in the report. Continental totals for precipitation and evaporation (as reported in the summary tables) were calculated using this mask combined with the land area fraction (downloaded from the multi-model archive) for each model.



2.3 Calculations

Monthly Precipitation (P, kg m^{-2} s^{-1}), surface latent heat flux (hfls, W m^{-2}), mean surface air temperature (T, K), and land area fraction (sftlf, %) were downloaded for each model run from the CMIP3 online archive. To convert the evaporation (E) from energetic- to mass-based units we divided the surface latent heat flux by the latent heat of vapourisation. In doing that we assumed that all evaporation was from ice when T was less than or equal to zero degrees Celsius while for T greater than zero degrees Celsius, evaporation was assumed to be from the liquid phases and the latent heat of vaporisation was set accordingly.

The spatial details of each model were different. The largest were 4° × 4° (~ 400 km × 400 km) while in the other extreme a few models had pixel sizes of 1° × 1° (~ 100 km × 100 km). To facilitate comparisons, the P and E data were resampled (using bilinear interpolation) to the most common geographic grid. The final dimensions were 2.5° × 2.5° (~ 270 km × 270 km). Using the resulting grids we calculated annual averages for P and E for the 1970-1999 (inclusive) period from the 20C3M scenario. For the two future scenarios (A1B, A2) the averages were calculated for the 2070-2099 (inclusive) period.

When integrated over the globe, P and E must balance for periods of a month or longer (Wentz *et al*. 2007). For the 30 year global averages considered here, we found small disagreements, possibility because of small uncertainties in the latent heat of vapourisation we used as well as uncertainties when resampling to a common geographic grid. The global average for E was adjusted to equal P by applying a correction factor, denoted as $E'(=P/E)$. The correction was typically small. For example, for the BCCR-BCM2.0 model for the 1970-1999 period, E' was 1.0081 (see Table on p. 8). The correction factors as applied are listed on the tables throughout.

All maps and tables are presented using traditional hydrologic units, i.e., depth of precipitation (or evaporation) per unit time (mm per yr). Over the land surface, the difference between P and E is equal to the runoff plus any change in storage (e.g. soil water). For the thirty year periods used here, the change in terrestrial storage is expected to be small and the difference between P and E over land is accordingly a very good approximation of the runoff.

3 Results

Maps and tables are shown in Section 3.1. The maps use model output from the 20C3M and A1B scenarios. We used the A1B scenario to ensure consistency with the IPCC maps and related theoretical research (Held and Soden 2006).

Precipitation time series for the 20th century (20C3M) and for the 21st century (A1B) for each model run are shown in Section 3.2. In that section we show time series for the globe and for the Australian continent. The Bureau of Meteorology (2008) observations for the Australian continent are also plotted enabling a visual comparison between model simulations and observations.

3.1 Maps and Tables

Each run for a particular model-scenario combination is represented by six pages comprising two pages of maps and four pages of tables. For example, the NCAR-CCSM3.0 model had seven runs for the A1B scenario – hence there are seven sets of maps and tables.

In total, maps and tables are presented for 39 model runs from 20 different models (Table 1).

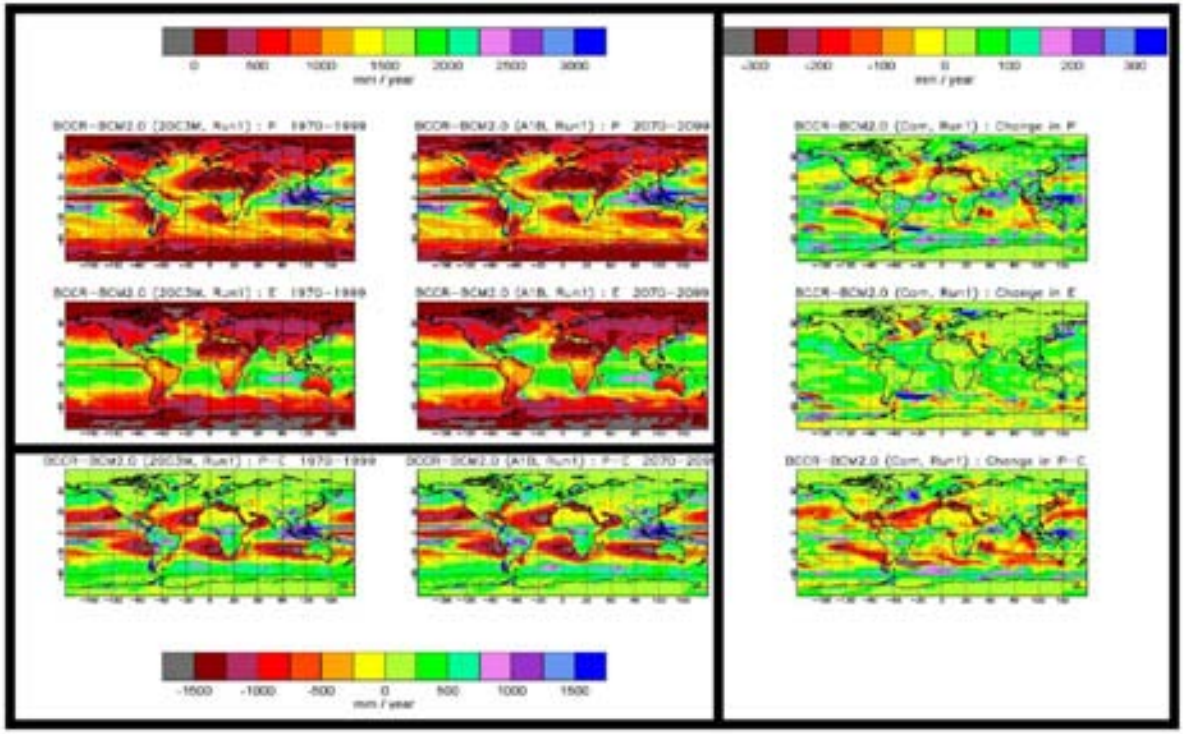
For each of the 39 model runs, we prepared maps showing precipitation, evaporation and their difference for the Globe and used the same data to prepare enlarged maps for Australia.

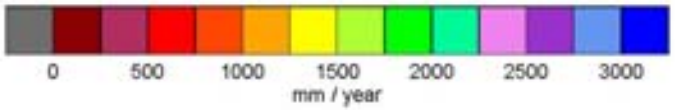
The maps show annual average precipitation (P) and evaporation (E) for the 1970-1999 (20C3M) and 2070-2099 (A1B) periods in the first two rows. The third row shows the difference, P-E, and is equal to the runoff from terrestrial surfaces (under steady state conditions). Differences in P, E, and P-E are shown in the third column. The Australian map is based on the same data and is an enlargement of the world map. The layout of each map is described in Figure 2.

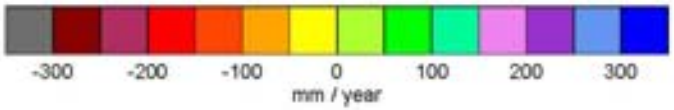
The tables include summaries of precipitation, evaporation and their difference for:

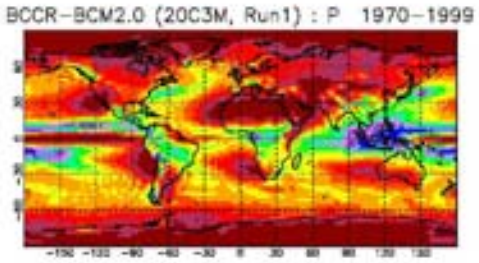
- Continental regions (20C3M and A1B),
- Latitude zones by Land/Ocean (20C3M),
- Latitude zones by Land/Ocean (A1B),
- Latitude zones by Land/Ocean (A2, when available).

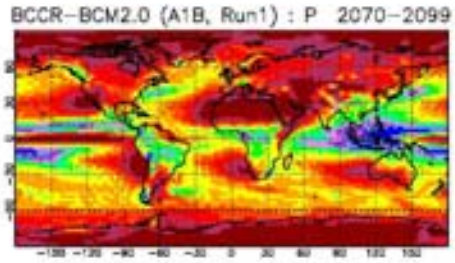
Figure 2: Legend showing map panels and the associated scale bars. Top left scale bar applies to the P and E maps. The bottom left scale bar applies to the P-E maps. The top right scale bar applies to the third column. Each map is annotated with details describing the underlying source data.

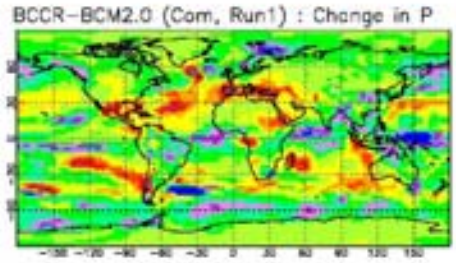


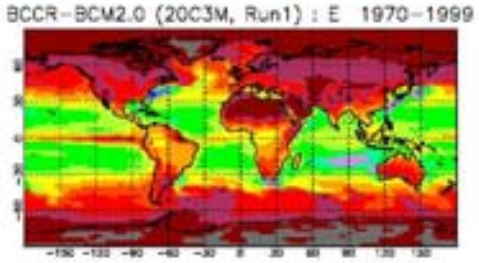

0
500
1000
1500
2000
2500
3000
mm / year


-300
-200
-100
0
100
200
300
mm / year


BCCR-BCM2.0 (20C3M, Run1) : P 1970-1999


BCCR-BCM2.0 (A1B, Run1) : P 2070-2099


BCCR-BCM2.0 (Com, Run1) : Change in P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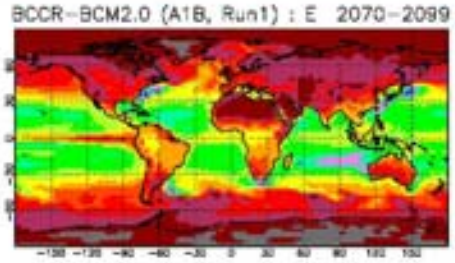
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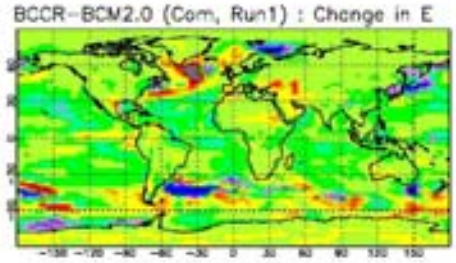
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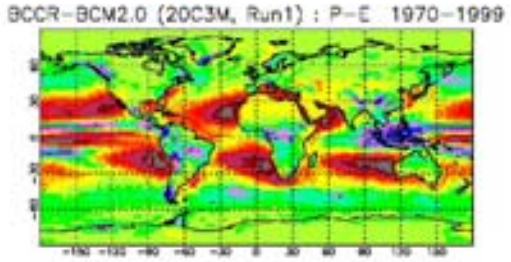
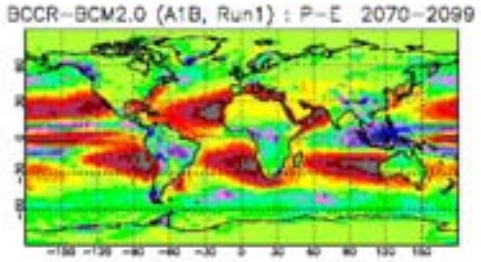

BCCR-BCM2.0 (20C3M, Run1) : P-E 1970-1999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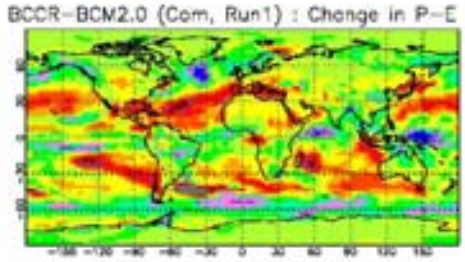
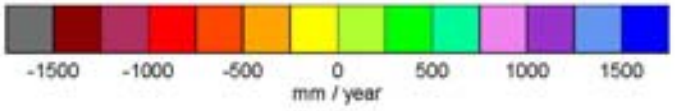
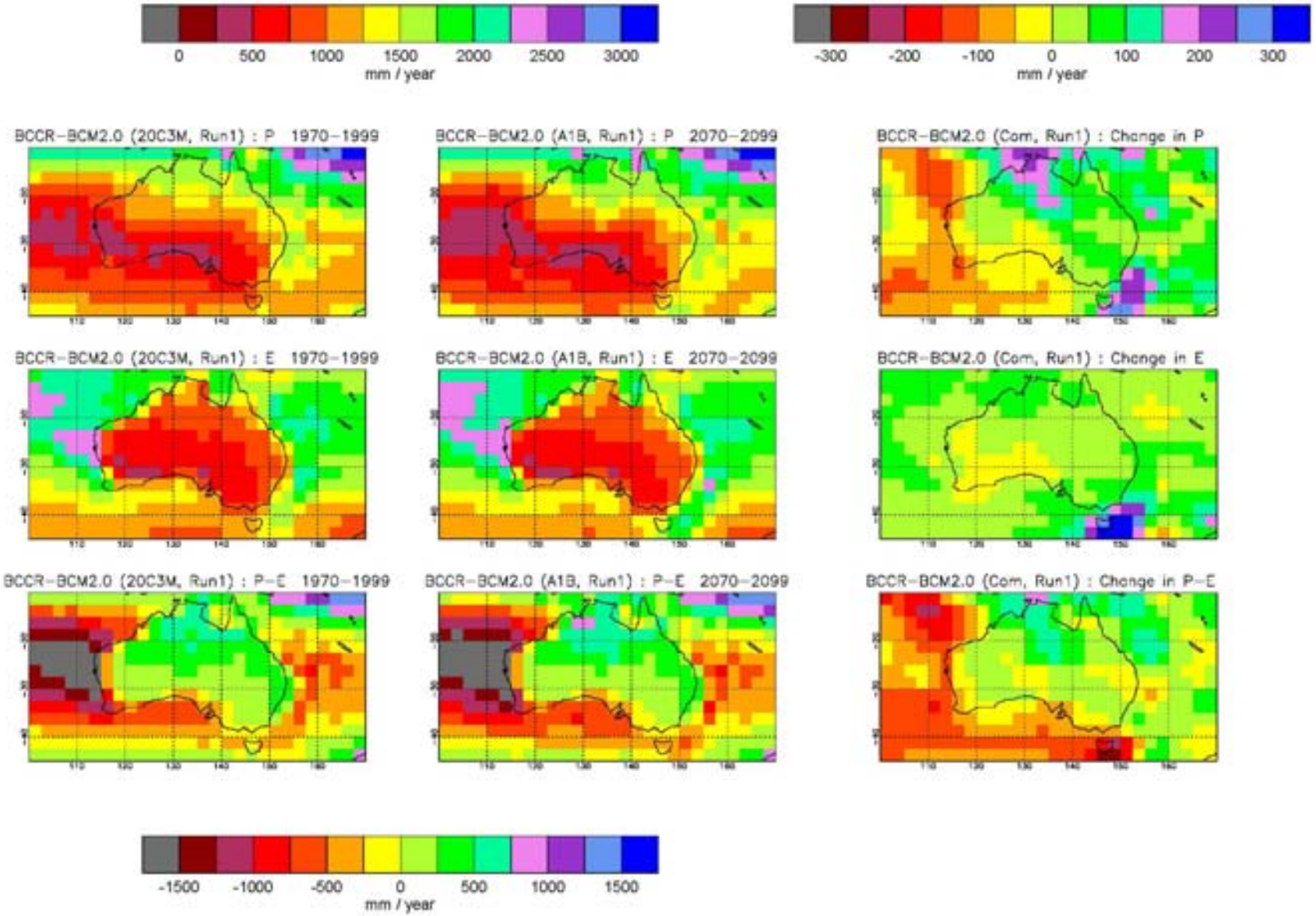

BCCR-BCM2.0 (Com, Run1) : Change in P-E


-1500
-1000
-500
0
500
1000
1500
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
BCCR-BCM2.0 (20C3M, Run1) : P 1970-1999
BCCR-BCM2.0 (A1B, Run1) : P 2070-2099
BCCR-BCM2.0 (Com, Run1) : Change in P
BCCR-BCM2.0 (20C3M, Run1) : E 1970-1999
BCCR-BCM2.0 (A1B, Run1) : E 2070-2099
BCCR-BCM2.0 (Com, Run1) : Change in E
BCCR-BCM2.0 (20C3M, Run1) : P-E 1970-1999
BCCR-BCM2.0 (A1B, Run1) : P-E 2070-2099
BCCR-BCM2.0 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

BCCR-BCM2.0_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.44E+14	854.6	598.7	255.9	1.44E+14	890.1	623.0	267.1	35.5	24.3	11.2
Australia	7.65E+12	1059.1	885.3	173.8	7.65E+12	1113.5	917.6	195.9	54.4	32.3	22.1
New Zealand	2.77E+11	1307.6	974.9	332.7	2.77E+11	1336.5	994.7	341.8	28.9	19.9	9.0
South America	1.76E+13	1490.3	993.8	496.5	1.76E+13	1553.9	1026.4	527.5	63.7	32.6	31.1
North America	2.25E+13	728.4	487.5	240.9	2.25E+13	755.0	509.2	245.8	26.5	21.7	4.9
Europe	6.67E+12	833.1	602.7	230.4	6.67E+12	807.5	616.9	190.7	-25.5	14.2	-39.7
Africa	2.93E+13	937.6	725.8	211.8	2.93E+13	948.7	745.6	203.2	11.1	19.8	-8.6
Middle East	4.91E+12	192.9	363.4	-170.5	4.91E+12	155.7	356.8	-201.1	-37.2	-6.6	-30.6
Asia	3.78E+13	640.2	431.0	209.3	3.78E+13	697.1	463.7	233.4	56.8	32.7	24.1
Southeast Asia	4.13E+12	2388.7	1352.5	1036.2	4.13E+12	2464.1	1401.7	1062.5	75.4	49.2	26.3
Antarctica	1.24E+13	183.8	30.3	153.5	1.24E+13	218.0	35.3	182.7	34.2	5.0	29.2

BCCR-BCM2.0_Set1

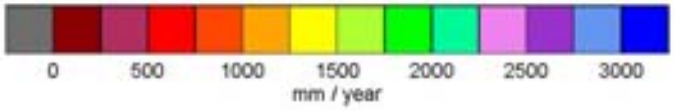
	1970 - 1999 (20C3M, Run1) E' = 1.0081											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1091.8	1091.8	0	3.65E+14	1185.7	1287.0	-101.3	1.44E+14	854.6	598.7	255.9
-90° to -80°	3.86E+12	93.5	9.9	83.5	4.42E+11	159.0	57.4	101.6	3.41E+12	85.0	3.8	81.2
-80° to -70°	1.15E+13	235.2	58.9	176.3	4.22E+12	341.6	133.5	208.1	7.26E+12	173.4	15.6	157.8
-70° to -60°	1.88E+13	636.9	378.7	258.1	1.70E+13	657.6	401.8	255.9	1.71E+12	429.8	148.8	281.0
-60° to -50°	2.55E+13	1047.5	618.5	429.0	2.52E+13	1045.2	617.4	427.8	2.51E+11	1279.7	729.0	550.8
-50° to -40°	3.14E+13	1183.5	869.1	314.3	3.03E+13	1177.9	875.2	302.7	1.04E+12	1345.9	693.2	652.7
-40° to -30°	3.64E+13	1027.9	1330.1	-302.2	3.21E+13	1064.7	1400.9	-336.3	4.24E+12	749.3	793.3	-44.0
-30° to -20°	4.02E+13	1085.0	1585.7	-500.7	3.10E+13	1060.6	1795.6	-735.0	9.23E+12	1166.8	880.9	285.9
-20° to -10°	4.29E+13	1556.9	1690.2	-133.3	3.35E+13	1518.8	1849.6	-330.8	9.34E+12	1693.5	1118.1	575.4
-10° to 0°	4.42E+13	1541.9	1475.1	66.8	3.43E+13	1472.6	1560.1	-87.5	9.90E+12	1782.3	1180.1	602.2
0° to 10°	4.42E+13	1737.3	1429.3	308.0	3.44E+13	1758.0	1528.7	229.3	9.78E+12	1664.5	1079.3	585.2
10° to 20°	4.29E+13	1298.2	1497.6	-199.3	3.16E+13	1447.5	1761.7	-314.2	1.13E+13	879.6	756.7	122.9
20° to 30°	4.02E+13	840.2	1254.4	-414.3	2.52E+13	956.7	1681.3	-724.6	1.51E+13	645.4	541.2	104.2
30° to 40°	3.64E+13	906.3	1028.7	-122.3	2.10E+13	1102.2	1389.4	-287.2	1.54E+13	638.6	535.5	103.0
40° to 50°	3.14E+13	884.5	649.6	234.9	1.57E+13	1159.7	841.0	318.7	1.57E+13	609.8	458.5	151.3
50° to 60°	2.55E+13	794.9	484.0	310.9	1.13E+13	973.6	607.0	366.6	1.41E+13	652.1	385.7	266.3
60° to 70°	1.88E+13	557.7	305.3	252.4	6.07E+12	641.0	424.6	216.4	1.27E+13	517.8	248.2	269.6
70° to 80°	1.15E+13	249.6	120.5	129.0	7.81E+12	254.5	138.4	116.0	3.67E+12	239.1	82.5	156.6
80° to 90°	3.86E+12	170.4	52.6	117.8	3.48E+12	171.9	55.0	116.9	3.80E+11	156.8	30.6	126.3

BCCR-BCM2.0_Set1

	2070 - 2099 (A1B, Run1) E' = 1.00532												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1137.4	1137.4	0	3.65E+14	1235.3	1341.1	-105.7	1.44E+14	890.1	623.0	267.1	45.6	45.6	0.0	49.6	54.1	-4.4	35.5	24.3	11.2
-90° to -80°	3.86E+12	116.1	8.0	108.1	4.42E+11	190.2	44.6	145.6	3.41E+12	106.5	3.3	103.2	22.7	-1.9	24.6	31.2	-12.8	44.0	21.5	-0.5	22.0
-80° to -70°	1.15E+13	290.4	97.4	193.0	4.22E+12	434.2	226.7	207.5	7.26E+12	206.8	22.2	184.6	55.2	38.5	16.7	92.6	93.2	-0.6	33.4	6.6	26.8
-70° to -60°	1.88E+13	743.3	404.2	339.1	1.70E+13	768.4	428.8	339.6	1.71E+12	493.4	158.8	334.6	106.5	25.5	81.0	110.7	27.0	83.7	63.6	10.0	53.6
-60° to -50°	2.55E+13	1147.3	614.3	533.0	2.52E+13	1144.8	613.1	531.7	2.51E+11	1395.6	729.4	666.2	99.8	-4.2	104.0	99.6	-4.3	103.9	115.9	0.5	115.4
-50° to -40°	3.14E+13	1224.5	982.9	241.6	3.03E+13	1221.8	991.3	230.4	1.04E+12	1303.6	734.7	569.0	41.0	113.7	-72.7	43.9	116.2	-72.3	-42.2	41.5	-83.7
-40° to -30°	3.64E+13	1036.3	1377.8	-341.5	3.21E+13	1071.4	1450.4	-379.0	4.24E+12	770.1	827.4	-57.3	8.4	47.7	-39.3	6.7	49.5	-42.8	20.8	34.1	-13.3
-30° to -20°	4.02E+13	1091.1	1634.3	-543.2	3.10E+13	1057.8	1851.6	-793.8	9.23E+12	1202.7	904.6	298.1	6.1	48.6	-42.5	-2.8	56.0	-58.8	35.9	23.7	12.2
-20° to -10°	4.29E+13	1602.0	1734.2	-132.3	3.35E+13	1553.1	1899.0	-346.0	9.34E+12	1777.3	1142.8	634.6	45.1	44.1	1.0	34.3	49.5	-15.2	83.8	24.7	59.1
-10° to 0°	4.42E+13	1649.1	1532.6	116.4	3.43E+13	1591.0	1620.8	-29.8	9.90E+12	1850.4	1227.0	623.5	107.2	57.6	49.6	118.5	60.7	57.8	68.2	46.9	21.3
0° to 10°	4.42E+13	1825.6	1477.7	347.9	3.44E+13	1856.5	1580.0	276.6	9.78E+12	1716.6	1117.4	599.3	88.3	48.4	39.9	98.6	51.3	47.3	52.1	38.1	14.0
10° to 20°	4.29E+13	1334.1	1551.6	-217.5	3.16E+13	1499.3	1830.3	-331.0	1.13E+13	870.6	769.7	100.9	35.9	54.0	-18.1	51.8	68.6	-16.7	-8.9	13.1	-22.0
20° to 30°	4.02E+13	824.6	1314.4	-489.9	2.52E+13	924.5	1764.2	-839.7	1.51E+13	657.7	563.1	94.6	-15.6	60.0	-75.6	-32.2	82.9	-115.1	12.2	21.9	-9.7
30° to 40°	3.64E+13	897.9	1069.2	-171.3	2.10E+13	1078.9	1446.1	-367.1	1.54E+13	650.4	554.0	96.4	-8.4	40.6	-49.0	-23.3	56.7	-80.0	11.8	18.4	-6.6
40° to 50°	3.14E+13	913.1	682.5	230.6	1.57E+13	1209.2	882.1	327.1	1.57E+13	617.5	483.3	134.2	28.6	32.9	-4.3	49.6	41.1	8.4	7.7	24.8	-17.1
50° to 60°	2.55E+13	862.5	499.9	362.6	1.13E+13	1055.6	603.2	452.5	1.41E+13	708.2	417.4	290.7	67.6	15.9	51.7	82.0	-3.8	85.9	56.1	31.7	24.4
60° to 70°	1.88E+13	627.3	322.0	305.3	6.07E+12	700.8	427.1	273.8	1.27E+13	592.1	271.7	320.4	69.6	16.7	52.9	59.9	2.5	57.4	74.2	23.5	50.8
70° to 80°	1.15E+13	322.1	170.6	151.5	7.81E+12	336.1	202.5	133.6	3.67E+12	292.1	102.7	189.4	72.5	50.1	22.5	81.7	64.1	17.6	53.0	20.2	32.8
80° to 90°	3.86E+12	220.7	67.2	153.5	3.48E+12	223.1	70.4	152.7	3.80E+11	198.6	38.1	160.5	50.3	14.6	35.7	51.2	15.4	35.8	41.7	7.5	34.2

BCCR-BCM2.0_Set1

	2070 - 2099 (A2, Run1) E' = 1.00503												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1140.8	1140.8	0	3.65E+14	1238.2	1345.0	-106.8	1.44E+14	894.6	624.8	269.7	49.0	49.0	0.0	52.5	58.0	-5.5	40.0	26.1	13.9
-90° to -80°	3.86E+12	116.2	8.0	108.2	4.46E+11	183.4	43.4	139.9	3.41E+12	107.4	3.3	104.1	22.7	-2.0	24.7	24.4	-13.9	38.3	22.4	-0.4	22.8
-80° to -70°	1.15E+13	306.3	106.9	199.4	4.34E+12	456.6	236.4	220.2	7.15E+12	215.0	28.3	186.7	71.1	48.0	23.1	115.1	102.9	12.1	41.6	12.7	28.9
-70° to -60°	1.88E+13	767.8	419.4	348.4	1.73E+13	789.2	442.1	347.1	1.44E+12	511.1	147.0	364.0	131.0	40.7	90.2	131.6	40.3	91.2	81.3	-1.8	83.0
-60° to -50°	2.55E+13	1159.5	618.1	541.4	2.52E+13	1156.1	616.8	539.3	2.73E+11	1475.0	736.9	738.1	112.0	-0.4	112.4	110.9	-0.6	111.5	195.3	8.0	187.3
-50° to -40°	3.14E+13	1213.4	1021.3	192.2	3.03E+13	1212.9	1031.6	181.3	1.10E+12	1228.1	737.1	491.1	30.0	152.1	-122.2	35.0	156.4	-121.4	-117.8	43.9	-161.6
-40° to -30°	3.64E+13	1019.2	1399.3	-380.1	3.17E+13	1054.9	1486.7	-431.8	4.68E+12	777.0	806.5	-29.5	-8.8	69.2	-77.9	-9.8	85.8	-95.6	27.8	13.2	14.5
-30° to -20°	4.02E+13	1110.2	1670.9	-560.7	3.10E+13	1069.3	1888.2	-818.9	9.28E+12	1246.6	945.9	300.7	25.2	85.2	-60.1	8.7	92.6	-83.9	79.7	65.0	14.8
-20° to -10°	4.29E+13	1700.6	1734.1	-33.5	3.38E+13	1664.0	1890.9	-226.9	9.08E+12	1836.8	1150.0	686.7	143.7	43.9	99.8	145.2	41.3	103.9	143.3	32.0	111.3
-10° to 0°	4.42E+13	1601.6	1503.3	98.4	3.44E+13	1518.6	1575.9	-57.3	9.85E+12	1891.2	1249.8	641.5	59.8	28.2	31.6	46.0	15.8	30.2	109.0	69.7	39.3
0° to 10°	4.42E+13	1908.3	1532.5	375.8	3.41E+13	1989.7	1659.8	329.9	1.01E+13	1633.7	1103.1	530.6	171.0	103.2	67.7	231.7	131.1	100.6	-30.8	23.8	-54.7
10° to 20°	4.29E+13	1171.2	1541.3	-370.1	3.07E+13	1327.9	1877.7	-549.8	1.22E+13	775.2	690.8	84.4	-127.0	43.7	-170.7	-119.6	116.0	-235.6	-104.4	-65.9	-38.5
20° to 30°	4.02E+13	786.9	1244.6	-457.7	2.43E+13	890.6	1701.5	-810.8	1.59E+13	628.5	546.8	81.7	-53.2	-9.8	-43.5	-66.1	20.1	-86.2	-16.9	5.6	-22.5
30° to 40°	3.64E+13	921.9	1041.0	-119.1	2.07E+13	1139.1	1413.3	-274.2	1.57E+13	635.2	549.6	85.6	15.5	12.3	3.2	36.9	24.0	12.9	-3.3	14.1	-17.5
40° to 50°	3.14E+13	907.3	589.5	317.8	1.49E+13	1174.6	720.7	453.8	1.64E+13	664.6	470.3	194.2	22.8	-60.1	82.9	14.9	-120.2	135.1	54.8	11.8	43.0
50° to 60°	2.55E+13	834.4	478.0	356.4	1.11E+13	1002.8	585.0	417.8	1.43E+13	703.6	394.9	308.8	39.4	-6.1	45.5	29.2	-22.0	51.2	51.6	9.1	42.4
60° to 70°	1.88E+13	536.0	273.6	262.5	6.78E+12	545.6	347.1	198.5	1.20E+13	530.6	232.0	298.6	-21.7	-31.7	10.1	-95.4	-77.5	-17.9	12.8	-16.2	29.0
70° to 80°	1.15E+13	304.0	142.6	161.4	8.71E+12	313.5	166.1	147.4	2.78E+12	274.3	69.0	205.2	54.4	22.1	32.4	59.0	27.6	31.4	35.1	-13.5	48.6
80° to 90°	3.86E+12	218.3	66.5	151.7	3.76E+12	219.3	67.2	152.2	1.01E+11	177.9	43.2	134.7	47.8	13.9	33.9	47.4	12.1	35.3	21.0	12.6	8.4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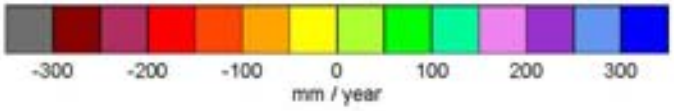
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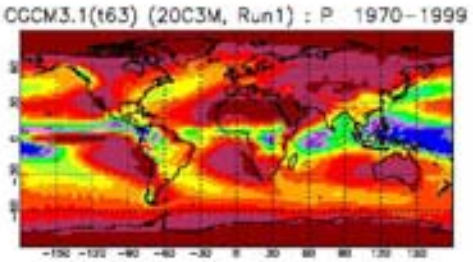
mm / year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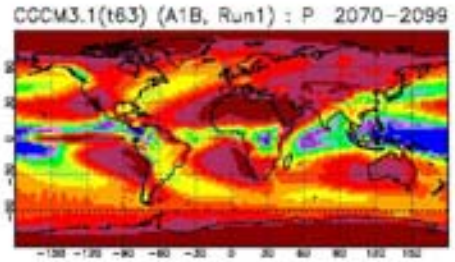
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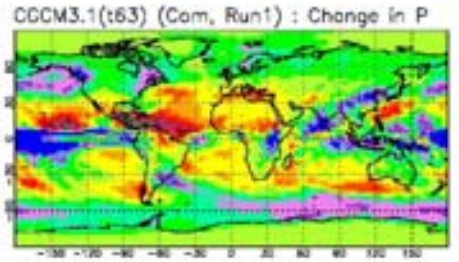
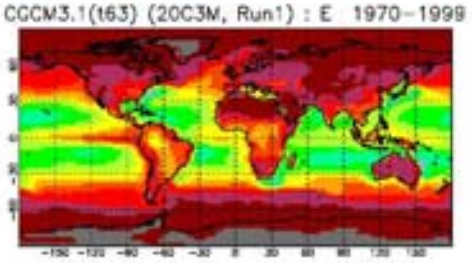

CGCM3.1(t63) (Com, Run1) : Change in P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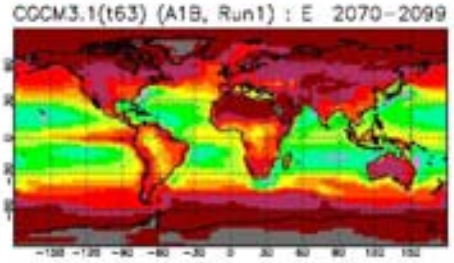
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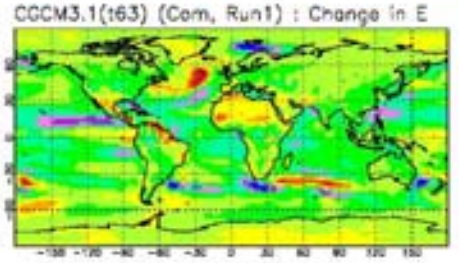
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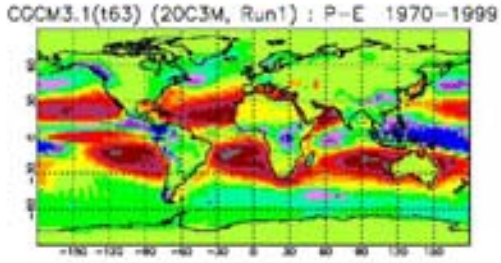
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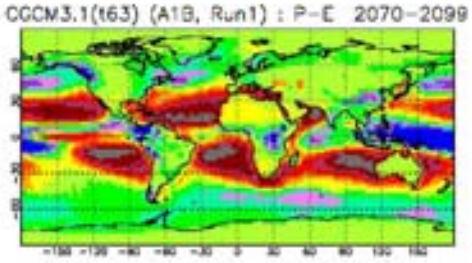
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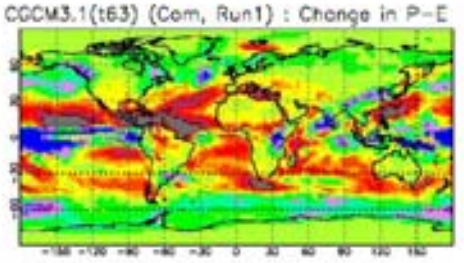
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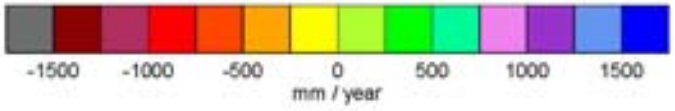
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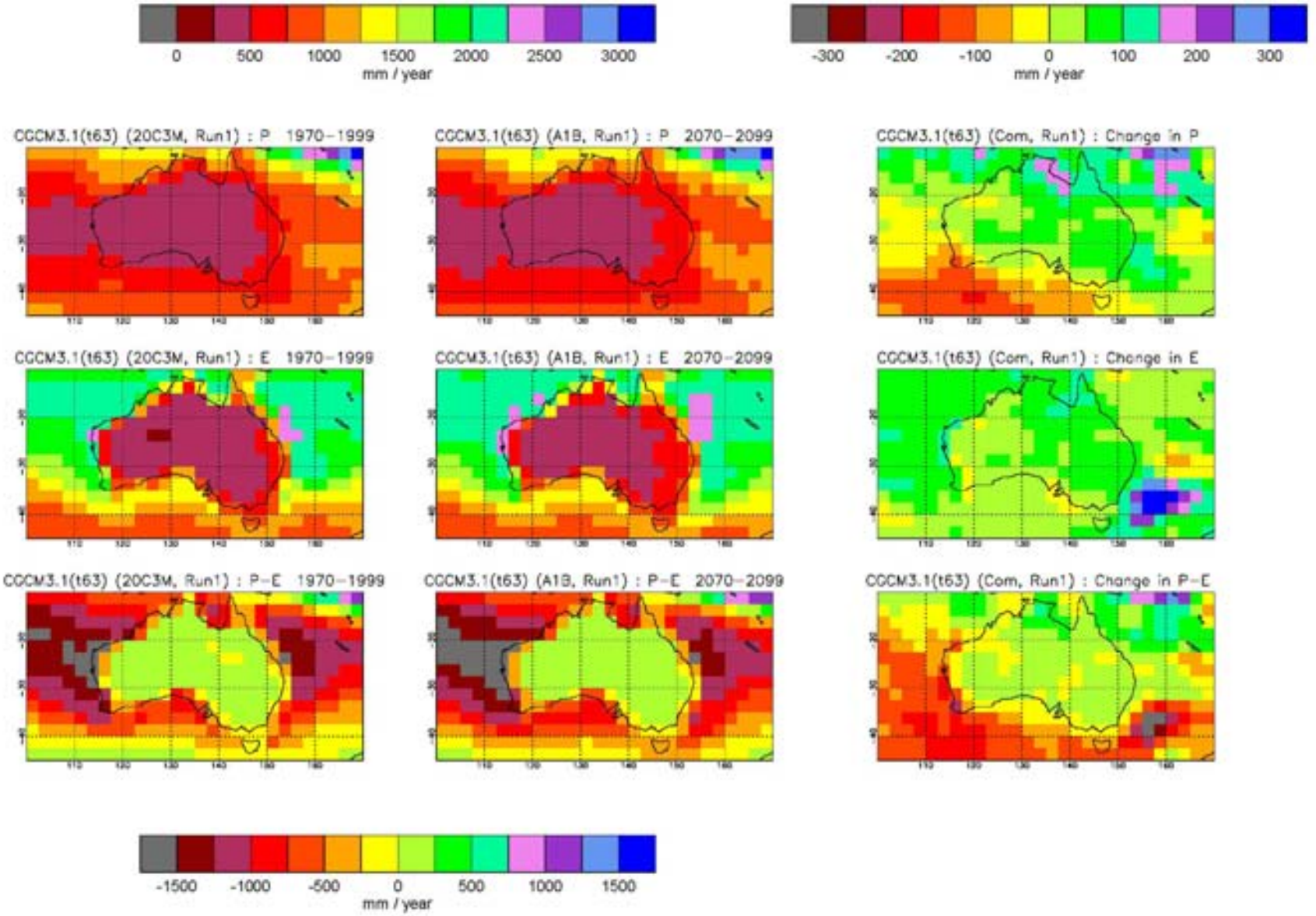
500
1000
1500
mm / year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mm / year
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mm / year
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CGCM3.1(t63) (A1B, Run1) : P 2070-2099
CGCM3.1(t63) (Com, Run1) : Change in P
CGCM3.1(t63) (20C3M, Run1) : E 1970-1999
CGCM3.1(t63) (A1B, Run1) : E 2070-2099
CGCM3.1(t63) (Com, Run1) : Change in E
CGCM3.1(t63) (20C3M, Run1) : P-E 1970-1999
CGCM3.1(t63) (A1B, Run1) : P-E 2070-2099
CGCM3.1(t63) (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

CGCM3.1(t63)_Set1

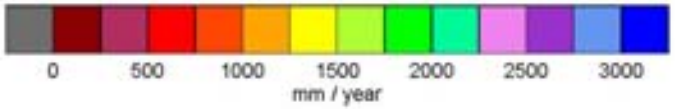
Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.54E+14	711.7	480.6	231.0	1.54E+14	757.5	509.3	248.2	45.8	28.6	17.2
Australia	7.91E+12	453.1	538.8	-85.7	7.91E+12	512.4	591.0	-78.6	59.3	52.2	7.1
New Zealand	2.86E+11	1037.2	876.6	160.7	2.86E+11	1043.2	923.6	119.6	6.0	47.0	-41.1
South America	1.98E+13	1246.3	862.2	384.1	1.98E+13	1240.3	893.0	347.3	-6.0	30.8	-36.8
North America	2.46E+13	654.6	374.7	279.9	2.46E+13	719.1	412.1	307.0	64.6	37.4	27.2
Europe	7.12E+12	640.1	453.6	186.5	7.12E+12	666.1	487.0	179.1	26.1	33.4	-7.3
Africa	3.00E+13	809.0	614.4	194.7	3.00E+13	812.5	623.2	189.3	3.5	8.9	-5.4
Middle East	5.22E+12	178.9	265.1	-86.2	5.22E+12	173.0	267.3	-94.2	-5.9	2.2	-8.1
Asia	3.89E+13	546.2	346.1	200.1	3.89E+13	631.2	388.2	243.0	84.9	42.1	42.9
Southeast Asia	5.09E+12	1835.8	1062.7	773.1	5.09E+12	1975.7	1109.8	866.0	140.0	47.1	92.9
Antarctica	1.39E+13	161.1	6.4	154.7	1.39E+13	210.5	8.8	201.7	49.4	2.3	47.1

CGCM3.1(t63)_Set1

	1970 - 1999 (20C3M, Run1) E' = 0.979615											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	996.935	996.935	0	3.55E+14	1120.6	1220.7	-100.1	1.54E+14	711.7	480.6	231.0
-90° to -80°	3.86E+12	80.2	-0.7	80.9	3.58E+03	77.3	-0.8	78.1	3.86E+12	80.2	-0.7	80.9
-80° to -70°	1.15E+13	210.1	14.5	195.6	3.10E+12	357.2	41.7	315.5	8.39E+12	155.9	4.5	151.4
-70° to -60°	1.88E+13	551.0	123.9	427.1	1.71E+13	567.7	132.8	435.0	1.67E+12	379.4	33.5	345.9
-60° to -50°	2.55E+13	874.7	381.3	493.4	2.52E+13	872.9	380.1	492.7	2.73E+11	1037.8	487.4	550.3
-50° to -40°	3.14E+13	1044.5	744.7	299.8	3.02E+13	1045.7	751.0	294.7	1.16E+12	1011.9	579.8	432.1
-40° to -30°	3.64E+13	923.6	1230.8	-307.2	3.18E+13	965.0	1310.1	-345.1	4.56E+12	634.4	677.5	-43.1
-30° to -20°	4.02E+13	809.2	1434.7	-625.5	3.05E+13	856.6	1699.4	-842.8	9.71E+12	660.3	603.2	57.0
-20° to -10°	4.29E+13	1098.0	1633.0	-535.0	3.31E+13	1126.0	1870.9	-744.9	9.80E+12	1003.7	830.4	173.2
-10° to 0°	4.42E+13	1650.8	1374.7	276.1	3.31E+13	1662.7	1513.2	149.5	1.12E+13	1615.2	964.3	651.0
0° to 10°	4.42E+13	1881.0	1348.5	532.5	3.36E+13	1964.7	1472.2	492.5	1.06E+13	1615.4	956.0	659.4
10° to 20°	4.29E+13	1226.9	1470.1	-243.2	3.06E+13	1394.5	1791.8	-397.3	1.23E+13	809.1	668.1	140.9
20° to 30°	4.02E+13	721.7	1217.2	-495.6	2.50E+13	849.0	1698.5	-849.5	1.53E+13	513.5	430.5	83.1
30° to 40°	3.64E+13	857.4	965.2	-107.8	2.09E+13	1030.1	1336.9	-306.8	1.55E+13	624.6	464.2	160.3
40° to 50°	3.14E+13	879.1	586.3	292.8	1.51E+13	1226.3	786.5	439.8	1.63E+13	558.0	401.1	156.9
50° to 60°	2.55E+13	710.4	370.1	340.3	1.03E+13	927.2	490.4	436.8	1.52E+13	563.0	288.4	274.7
60° to 70°	1.88E+13	458.5	187.8	270.7	4.89E+12	607.9	302.4	305.6	1.39E+13	405.9	147.5	258.4
70° to 80°	1.15E+13	220.8	61.5	159.3	7.24E+12	232.5	69.4	163.1	4.24E+12	200.7	47.8	152.9
80° to 90°	3.86E+12	148.2	15.9	132.3	3.66E+12	149.1	16.2	132.8	1.94E+11	132.3	9.9	122.5

CGCM3.1(t63)_Set1

	2070 - 2099 (A1B, Run1) E' = 0.9772												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1054.2	1054.2	0	3.55E+14	1182.8	1290.3	-107.6	1.54E+14	757.5	509.3	248.2	57.2	57.2	0.0	62.2	69.6	-7.4	45.8	28.6	17.2
-90° to -80°	3.86E+12	100.9	-0.3	101.2	3.58E+03	128.8	-0.8	129.6	3.86E+12	100.9	-0.3	101.2	20.7	0.4	20.2	51.5	0.0	51.5	20.7	0.4	20.2
-80° to -70°	1.15E+13	271.3	19.2	252.1	3.10E+12	451.2	56.0	395.1	8.39E+12	204.9	5.6	199.3	61.2	4.7	56.5	94.0	14.3	79.7	49.1	1.2	47.9
-70° to -60°	1.88E+13	696.4	159.7	536.6	1.71E+13	715.7	170.8	544.9	1.67E+12	498.1	46.4	451.6	145.4	35.8	109.6	148.0	38.0	110.0	118.7	12.9	105.7
-60° to -50°	2.55E+13	1004.7	415.1	589.6	2.52E+13	1004.1	413.9	590.2	2.73E+11	1063.7	530.0	533.8	130.1	33.9	96.2	131.2	33.8	97.4	26.0	42.5	-16.6
-50° to -40°	3.14E+13	1064.0	822.3	241.7	3.02E+13	1068.6	830.2	238.3	1.16E+12	944.8	616.0	328.8	19.5	77.6	-58.1	22.8	79.2	-56.3	-67.1	36.3	-103.4
-40° to -30°	3.64E+13	920.8	1282.4	-361.7	3.18E+13	952.8	1363.2	-410.4	4.56E+12	697.6	719.4	-21.8	-2.8	51.7	-54.5	-12.3	53.1	-65.3	63.2	41.9	21.3
-30° to -20°	4.02E+13	817.6	1495.9	-678.4	3.05E+13	854.4	1766.9	-912.5	9.71E+12	701.8	644.6	57.1	8.4	61.2	-52.8	-2.1	67.5	-69.7	41.5	41.4	0.1
-20° to -10°	4.29E+13	1150.5	1710.2	-559.7	3.31E+13	1178.8	1958.5	-779.7	9.80E+12	1055.3	872.8	182.4	52.5	77.2	-24.7	52.8	87.5	-34.8	51.6	42.4	9.2
-10° to 0°	4.42E+13	1841.7	1444.3	397.4	3.31E+13	1881.5	1593.5	288.0	1.12E+13	1723.8	1002.3	721.5	191.0	69.6	121.3	218.8	80.3	138.5	108.6	38.1	70.5
0° to 10°	4.42E+13	1994.6	1409.1	585.5	3.36E+13	2118.8	1540.4	578.4	1.06E+13	1600.5	992.4	608.1	113.6	60.6	53.0	154.1	68.2	85.9	-14.9	36.4	-51.3
10° to 20°	4.29E+13	1176.6	1557.7	-381.1	3.06E+13	1351.3	1917.5	-566.3	1.23E+13	741.2	660.7	80.5	-50.3	87.6	-137.9	-43.2	125.7	-169.0	-67.9	-7.4	-60.4
20° to 30°	4.02E+13	705.7	1283.4	-577.8	2.50E+13	808.7	1798.7	-990.0	1.53E+13	537.2	441.1	96.2	-16.0	66.2	-82.2	-40.3	100.2	-140.5	23.7	10.6	13.1
30° to 40°	3.64E+13	886.1	1018.4	-132.2	2.09E+13	1050.4	1408.7	-358.4	1.55E+13	664.9	492.3	172.5	28.8	53.2	-24.4	20.2	71.8	-51.6	40.3	28.1	12.2
40° to 50°	3.14E+13	954.5	625.6	328.9	1.51E+13	1318.2	813.0	505.2	1.63E+13	618.2	452.3	165.9	75.4	39.3	36.1	91.9	26.5	65.4	60.2	51.2	9.0
50° to 60°	2.55E+13	812.4	414.9	397.5	1.03E+13	1030.7	530.2	500.4	1.52E+13	664.0	336.5	327.5	102.0	44.8	57.2	103.4	39.8	63.6	101.0	48.2	52.8
60° to 70°	1.88E+13	547.4	216.4	331.0	4.89E+12	691.0	335.7	355.3	1.39E+13	496.8	174.4	322.4	88.9	28.6	60.3	83.1	33.3	49.8	90.9	27.0	64.0
70° to 80°	1.15E+13	281.7	97.7	184.0	7.24E+12	294.7	118.8	175.9	4.24E+12	259.3	61.6	197.7	60.9	36.2	24.7	62.2	49.4	12.8	58.6	13.7	44.9
80° to 90°	3.86E+12	195.2	24.0	171.3	3.66E+12	195.9	23.7	172.2	1.94E+11	183.0	29.0	153.9	47.0	8.1	38.9	46.8	7.5	39.3	50.6	19.1	31.5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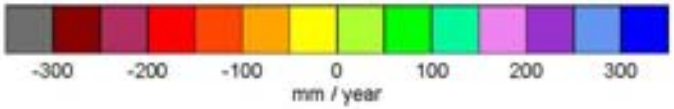
mm / year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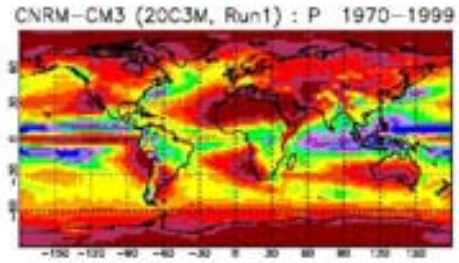
mm / year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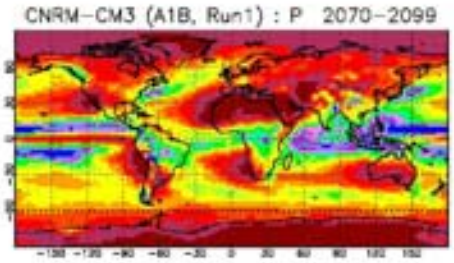
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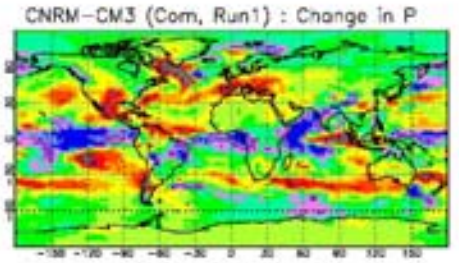
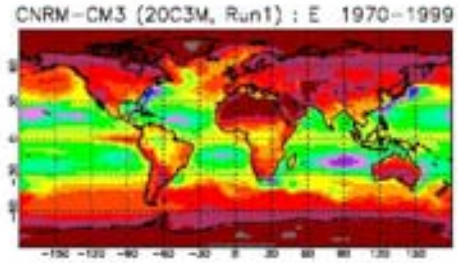

CNRM-CM3 (Com, Run1) : Change in P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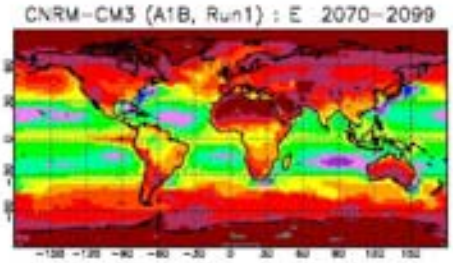
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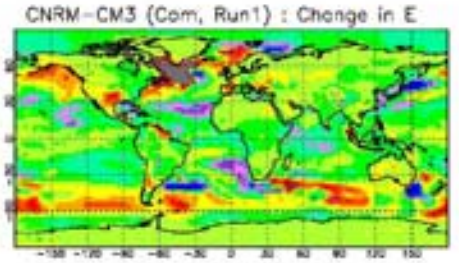
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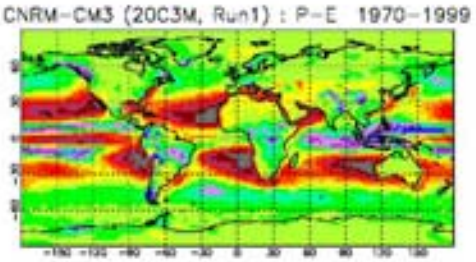
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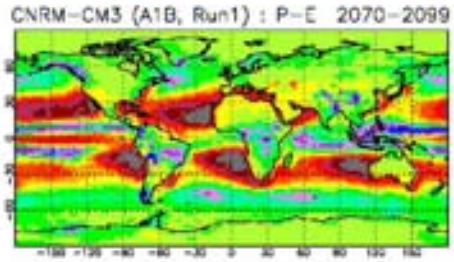
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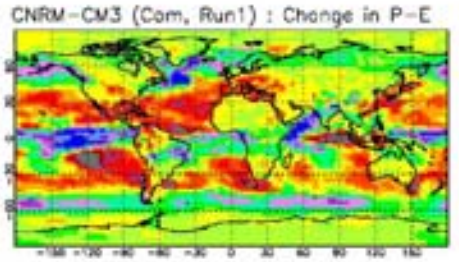
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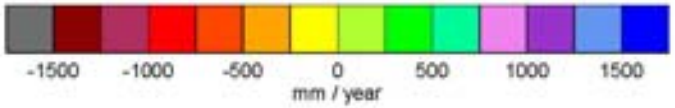
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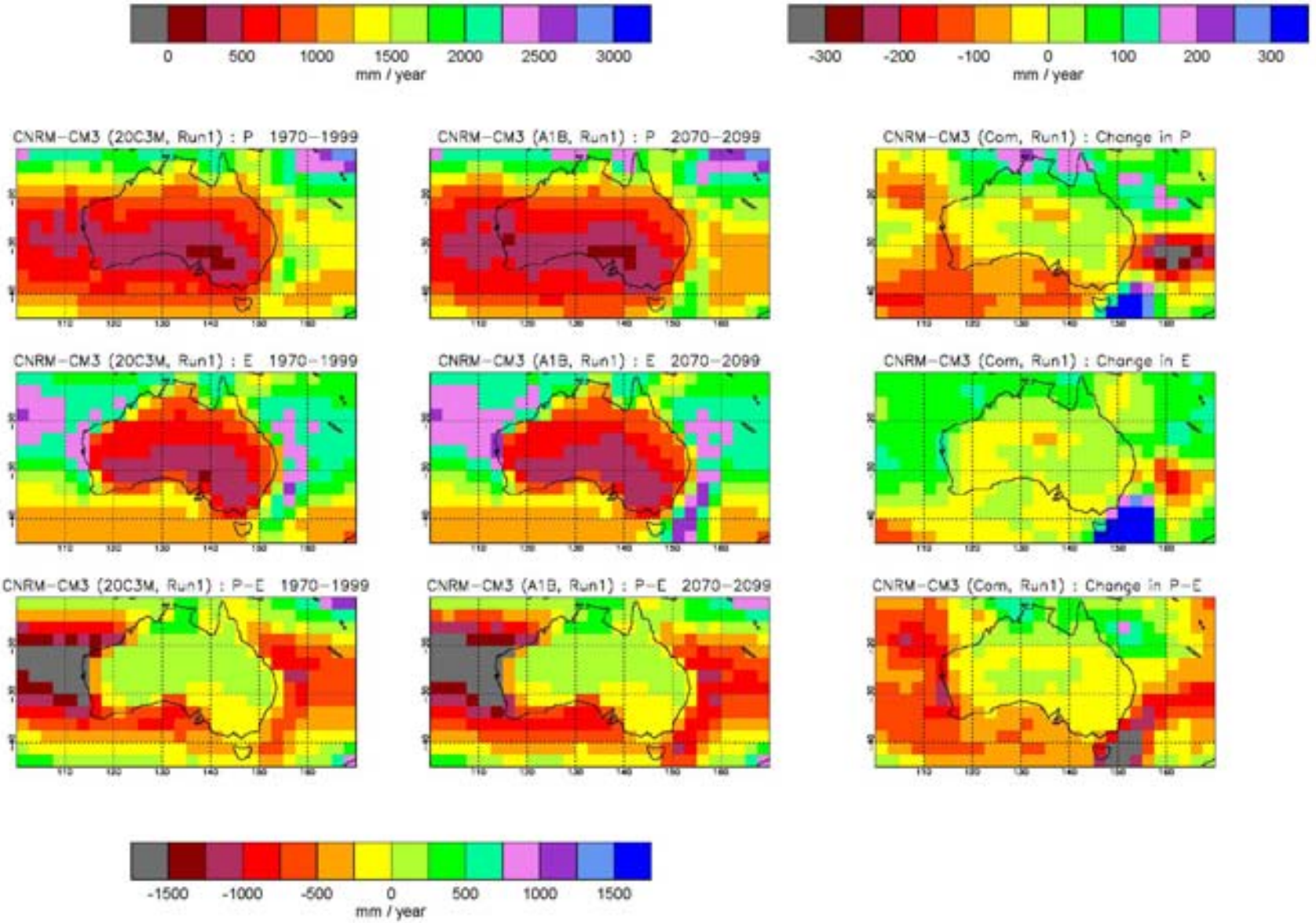
0
500
1000
1500
mm / year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mm / year
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mm / year
CNRM-CM3 (20C3M, Run1) : P 1970-1999
CNRM-CM3 (A1B, Run1) : P 2070-2099
CNRM-CM3 (Com, Run1) : Change in P
CNRM-CM3 (20C3M, Run1) : E 1970-1999
CNRM-CM3 (A1B, Run1) : E 2070-2099
CNRM-CM3 (Com, Run1) : Change in E
CNRM-CM3 (20C3M, Run1) : P-E 1970-1999
CNRM-CM3 (A1B, Run1) : P-E 2070-2099
CNRM-CM3 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

CNRM-CM3_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.43E+14	868.6	639.7	228.9	1.43E+14	908.6	669.3	239.4	40.0	29.5	10.5
Australia	7.33E+12	722.0	710.3	11.6	7.33E+12	729.9	719.6	10.3	7.9	9.3	-1.3
New Zealand	1.39E+11	1486.9	819.8	667.1	1.39E+11	1491.7	828.5	663.2	4.8	8.7	-3.9
South America	1.81E+13	1522.8	1090.8	432.0	1.81E+13	1577.0	1131.6	445.3	54.2	40.8	13.4
North America	2.28E+13	818.1	591.6	226.5	2.28E+13	824.7	600.8	223.8	6.6	9.3	-2.7
Europe	6.50E+12	818.2	618.6	199.6	6.50E+12	753.2	612.6	140.6	-65.0	-6.0	-58.9
Africa	2.93E+13	936.5	721.6	214.9	2.93E+13	1002.7	769.1	233.6	66.1	47.4	18.7
Middle East	4.93E+12	243.7	336.5	-92.9	4.93E+12	243.2	354.8	-111.6	-0.5	18.3	-18.8
Asia	3.77E+13	752.4	540.3	212.2	3.77E+13	821.2	580.0	241.2	68.8	39.7	29.1
Southeast Asia	3.08E+12	1941.5	1318.0	623.5	3.08E+12	1975.6	1362.9	612.7	34.1	44.9	-10.8
Antarctica	1.23E+13	221.5	39.8	181.7	1.23E+13	244.2	47.5	196.6	22.6	7.7	14.9

CNRM-CM3_Set1

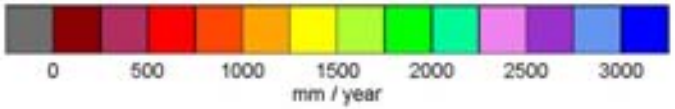
	1970 - 1999 (20C3M, Run1) E' = 1.02253											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1187.2	1187.2	0	3.66E+14	1311.3	1400.5	-89.2	1.43E+14	868.6	639.7	228.9
-90° to -80°	3.86E+12	167.8	34.5	133.3	4.35E+11	307.1	178.6	128.6	3.42E+12	150.1	16.2	133.9
-80° to -70°	1.15E+13	311.9	113.2	198.7	4.18E+12	478.9	261.5	217.4	7.30E+12	216.3	28.2	188.1
-70° to -60°	1.88E+13	698.3	463.9	234.4	1.72E+13	724.3	492.1	232.2	1.54E+12	408.7	149.8	258.9
-60° to -50°	2.55E+13	1106.4	724.7	381.8	2.52E+13	1103.2	723.8	379.4	2.65E+11	1413.4	804.2	609.3
-50° to -40°	3.14E+13	1322.7	980.7	342.0	3.04E+13	1318.2	987.4	330.9	9.38E+11	1467.7	765.4	702.4
-40° to -30°	3.64E+13	1045.7	1370.9	-325.2	3.25E+13	1101.8	1458.6	-356.8	3.87E+12	574.3	634.3	-60.0
-30° to -20°	4.02E+13	1070.4	1639.9	-569.5	3.10E+13	1123.6	1903.4	-779.8	9.22E+12	891.5	753.7	137.8
-20° to -10°	4.29E+13	1662.8	1788.3	-125.5	3.35E+13	1695.3	1991.0	-295.7	9.42E+12	1547.3	1068.9	478.4
-10° to 0°	4.42E+13	1738.7	1559.7	179.0	3.45E+13	1724.8	1637.2	87.6	9.69E+12	1788.2	1283.6	504.6
0° to 10°	4.42E+13	1870.7	1499.2	371.5	3.48E+13	1925.2	1585.3	340.0	9.39E+12	1668.4	1179.8	488.6
10° to 20°	4.29E+13	1445.0	1657.2	-212.2	3.21E+13	1636.2	1957.8	-321.6	1.08E+13	876.5	763.3	113.2
20° to 30°	4.02E+13	909.2	1401.9	-492.7	2.55E+13	1042.2	1877.3	-835.1	1.47E+13	678.0	575.1	102.9
30° to 40°	3.64E+13	961.9	1091.0	-129.1	2.11E+13	1137.0	1452.7	-315.7	1.52E+13	719.2	590.0	129.3
40° to 50°	3.14E+13	1003.8	795.1	208.7	1.54E+13	1319.0	1018.8	300.2	1.60E+13	698.8	578.6	120.3
50° to 60°	2.55E+13	940.3	621.9	318.3	1.11E+13	1158.7	767.0	391.7	1.44E+13	772.5	510.6	262.0
60° to 70°	1.88E+13	652.9	395.2	257.7	5.65E+12	769.6	549.3	220.3	1.31E+13	602.7	328.8	273.8
70° to 80°	1.15E+13	310.4	161.2	149.2	8.29E+12	319.2	181.1	138.0	3.19E+12	287.7	109.5	178.2
80° to 90°	3.86E+12	210.7	69.9	140.8	3.50E+12	212.9	73.9	138.9	3.55E+11	189.4	30.3	159.1

CNRM-CM3_Set1

	2070 - 2099 (A1B, Run1) E' = 1.02009												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1233.1	1233.1	0	3.66E+14	1359.5	1452.8	-93.3	1.43E+14	908.6	669.3	239.4	45.9	45.9	0.0	48.2	52.3	-4.1	40.0	29.5	10.5
-90° to -80°	3.86E+12	195.2	39.9	155.3	4.35E+11	364.1	204.5	159.6	3.42E+12	173.8	19.0	154.8	27.5	5.4	22.0	57.0	26.0	31.0	23.7	2.8	20.9
-80° to -70°	1.15E+13	344.0	133.6	210.4	4.18E+12	533.0	307.6	225.4	7.30E+12	235.8	34.0	201.8	32.1	20.4	11.7	54.1	46.1	8.0	19.5	5.7	13.8
-70° to -60°	1.88E+13	771.9	501.0	270.9	1.72E+13	801.3	529.9	271.4	1.54E+12	444.0	178.0	266.0	73.6	37.1	36.5	77.0	37.8	39.2	35.3	28.3	7.1
-60° to -50°	2.55E+13	1195.2	681.2	514.0	2.52E+13	1191.6	679.8	511.7	2.65E+11	1544.2	809.8	734.4	88.8	-43.5	132.3	88.4	-44.0	132.4	130.8	5.7	125.1
-50° to -40°	3.14E+13	1346.5	1013.4	333.1	3.04E+13	1344.2	1020.7	323.5	9.38E+11	1420.6	777.2	643.4	23.8	32.6	-8.9	26.0	33.3	-7.3	-47.2	11.8	-59.0
-40° to -30°	3.64E+13	986.5	1413.9	-427.3	3.25E+13	1039.4	1506.4	-467.0	3.87E+12	543.0	637.4	-94.5	-59.2	43.0	-102.2	-62.5	47.8	-110.2	-31.4	3.1	-34.5
-30° to -20°	4.02E+13	1087.7	1718.6	-630.9	3.10E+13	1140.2	1996.9	-856.7	9.22E+12	910.9	782.8	128.1	17.3	78.7	-61.5	16.6	93.5	-76.9	19.4	29.1	-9.7
-20° to -10°	4.29E+13	1723.8	1857.4	-133.6	3.35E+13	1737.8	2066.8	-329.0	9.42E+12	1674.1	1114.2	559.9	61.0	69.1	-8.1	42.4	75.8	-33.3	126.8	45.4	81.4
-10° to 0°	4.42E+13	1876.1	1629.5	246.6	3.45E+13	1875.9	1708.6	167.3	9.69E+12	1876.9	1347.9	529.1	137.4	69.8	67.6	151.1	71.4	79.7	88.7	64.2	24.5
0° to 10°	4.42E+13	2007.9	1559.2	448.7	3.48E+13	2081.7	1646.6	435.1	9.39E+12	1733.8	1234.8	499.0	137.2	60.0	77.1	156.5	61.4	95.1	65.5	55.1	10.4
10° to 20°	4.29E+13	1479.3	1730.1	-250.8	3.21E+13	1670.1	2041.6	-371.5	1.08E+13	911.9	803.5	108.4	34.3	72.8	-38.6	33.9	83.8	-50.0	35.4	40.2	-4.8
20° to 30°	4.02E+13	919.2	1491.2	-572.0	2.55E+13	1045.4	2003.3	-957.9	1.47E+13	699.6	600.4	99.2	10.0	89.3	-79.3	3.3	126.0	-122.8	21.6	25.3	-3.7
30° to 40°	3.64E+13	931.4	1126.9	-195.5	2.11E+13	1085.9	1499.1	-413.2	1.52E+13	717.4	611.3	106.1	-30.4	35.9	-66.3	-51.1	46.4	-97.5	-1.9	21.3	-23.2
40° to 50°	3.14E+13	1014.8	808.5	206.3	1.54E+13	1339.3	1020.6	318.8	1.60E+13	700.8	603.3	97.4	11.0	13.5	-2.5	20.4	1.8	18.6	1.9	24.8	-22.9
50° to 60°	2.55E+13	986.7	605.3	381.4	1.11E+13	1210.3	692.9	517.5	1.44E+13	814.9	538.0	276.9	46.4	-16.7	63.1	51.6	-74.1	125.7	42.4	27.5	14.9
60° to 70°	1.88E+13	731.3	391.0	340.3	5.65E+12	817.0	485.6	331.4	1.31E+13	694.3	350.2	344.1	78.3	-4.3	82.6	47.4	-63.7	111.1	91.7	21.4	70.3
70° to 80°	1.15E+13	404.7	231.6	173.1	8.29E+12	426.8	271.6	155.2	3.19E+12	347.1	127.5	219.6	94.2	70.3	23.9	107.7	90.5	17.2	59.4	18.0	41.4
80° to 90°	3.86E+12	305.9	153.0	152.8	3.50E+12	313.1	164.1	148.9	3.55E+11	234.9	43.8	191.2	95.2	83.1	12.0	100.2	90.2	10.0	45.6	13.5	32.1

CNRM-CM3_Set1

	2070 - 2099 (A2, Run1) E' = 1.01918												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1244.8	1244.8	0	3.66E+14	1373.6	1467.1	-93.5	1.43E+14	914.3	674.3	240.0	57.6	57.6	0.0	62.3	66.6	-4.3	45.7	34.6	11.1
-90° to -80°	3.86E+12	201.1	41.6	159.5	4.35E+11	375.5	213.6	162.0	3.42E+12	178.9	19.7	159.1	33.3	7.1	26.2	68.4	35.0	33.4	28.8	3.5	25.2
-80° to -70°	1.15E+13	353.7	142.1	211.6	4.18E+12	549.7	327.6	222.1	7.30E+12	241.5	36.0	205.5	41.8	29.0	12.8	70.8	66.1	4.7	25.2	7.8	17.4
-70° to -60°	1.88E+13	791.0	497.7	293.3	1.72E+13	821.8	525.8	296.0	1.54E+12	446.4	183.2	263.2	92.6	33.7	58.9	97.5	33.7	63.8	37.7	33.4	4.3
-60° to -50°	2.55E+13	1221.3	667.7	553.6	2.52E+13	1217.6	666.3	551.3	2.65E+11	1570.7	800.9	769.8	114.9	-57.0	171.8	114.4	-57.5	171.9	157.3	-3.3	160.6
-50° to -40°	3.14E+13	1342.8	1022.7	320.1	3.04E+13	1341.7	1030.3	311.4	9.38E+11	1377.0	775.0	602.0	20.0	41.9	-21.9	23.5	42.9	-19.5	-90.8	9.6	-100.4
-40° to -30°	3.64E+13	979.5	1427.5	-448.0	3.25E+13	1033.6	1522.5	-488.9	3.87E+12	525.3	630.5	-105.2	-66.2	56.7	-122.9	-68.2	63.9	-132.1	-49.1	-3.8	-45.3
-30° to -20°	4.02E+13	1080.0	1731.8	-651.8	3.10E+13	1135.8	2014.6	-878.8	9.22E+12	892.3	781.0	111.3	9.5	91.9	-82.4	12.1	111.2	-99.0	0.8	27.3	-26.5
-20° to -10°	4.29E+13	1723.3	1885.8	-162.6	3.35E+13	1733.8	2099.9	-366.1	9.42E+12	1685.8	1125.9	559.9	60.5	97.5	-37.0	38.5	108.9	-70.4	138.5	57.0	81.4
-10° to 0°	4.42E+13	1948.8	1647.3	301.6	3.45E+13	1956.9	1722.9	234.0	9.69E+12	1919.9	1377.8	542.2	210.1	87.5	122.6	232.2	85.7	146.5	131.7	94.1	37.6
0° to 10°	4.42E+13	2039.6	1582.6	457.0	3.48E+13	2111.0	1669.7	441.2	9.39E+12	1774.8	1259.5	515.3	168.9	83.5	85.4	185.8	84.5	101.3	106.4	79.8	26.7
10° to 20°	4.29E+13	1488.0	1744.8	-256.8	3.21E+13	1688.1	2061.1	-373.1	1.08E+13	893.1	804.2	88.9	43.0	87.6	-44.6	51.8	103.3	-51.5	16.6	40.9	-24.3
20° to 30°	4.02E+13	911.8	1508.1	-596.2	2.55E+13	1042.6	2031.9	-989.3	1.47E+13	684.4	597.0	87.4	2.6	106.2	-103.5	0.4	154.6	-154.2	6.4	21.9	-15.5
30° to 40°	3.64E+13	927.2	1137.7	-210.5	2.11E+13	1081.3	1515.6	-434.3	1.52E+13	713.8	614.2	99.5	-34.6	46.7	-81.4	-55.7	62.9	-118.6	-5.5	24.2	-29.7
40° to 50°	3.14E+13	1013.5	810.4	203.1	1.54E+13	1341.7	1027.2	314.5	1.60E+13	695.8	600.7	95.2	9.7	15.4	-5.7	22.8	8.4	14.3	-3.0	22.1	-25.1
50° to 60°	2.55E+13	1001.9	603.0	398.9	1.11E+13	1217.8	680.1	537.7	1.44E+13	836.1	543.8	292.3	61.6	-18.9	80.5	59.0	-86.9	145.9	63.6	33.3	30.3
60° to 70°	1.88E+13	750.4	396.2	354.2	5.65E+12	827.9	493.6	334.3	1.31E+13	717.0	354.2	362.8	97.5	1.0	96.5	58.3	-55.7	114.0	114.4	25.4	89.0
70° to 80°	1.15E+13	422.3	238.3	184.0	8.29E+12	443.9	279.7	164.2	3.19E+12	366.2	130.9	235.3	111.9	77.1	34.8	124.7	98.6	26.1	78.5	21.3	57.2
80° to 90°	3.86E+12	324.2	160.6	163.6	3.50E+12	331.5	172.2	159.2	3.55E+11	252.7	46.3	206.4	113.5	90.7	22.8	118.6	98.3	20.3	63.3	16.0	47.3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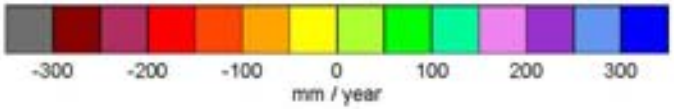
mm / year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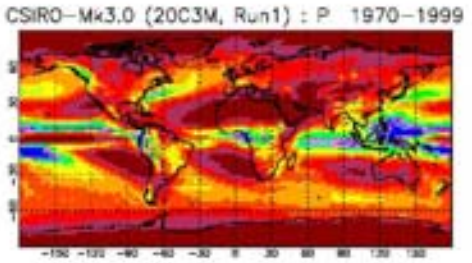
mm / year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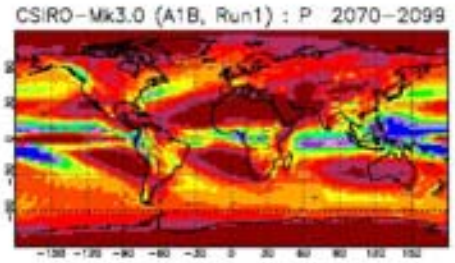
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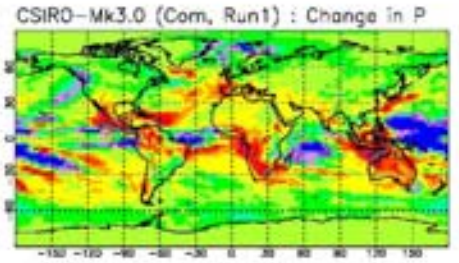
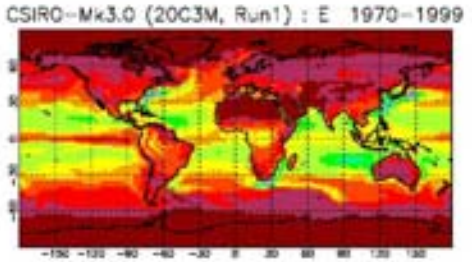

CSIRO-Mk3.0 (Com, Run1) : Change in P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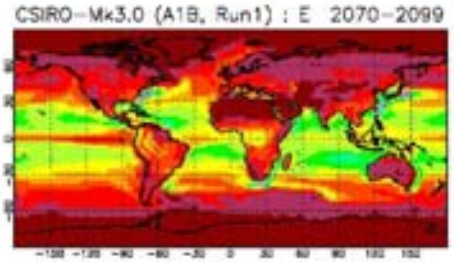
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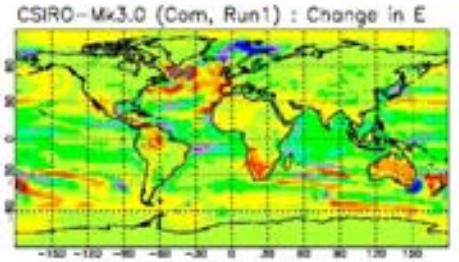
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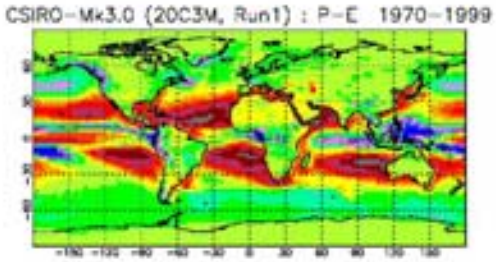
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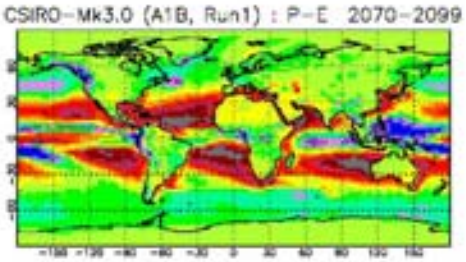
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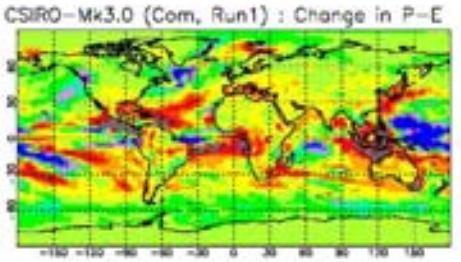
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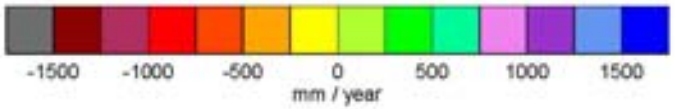
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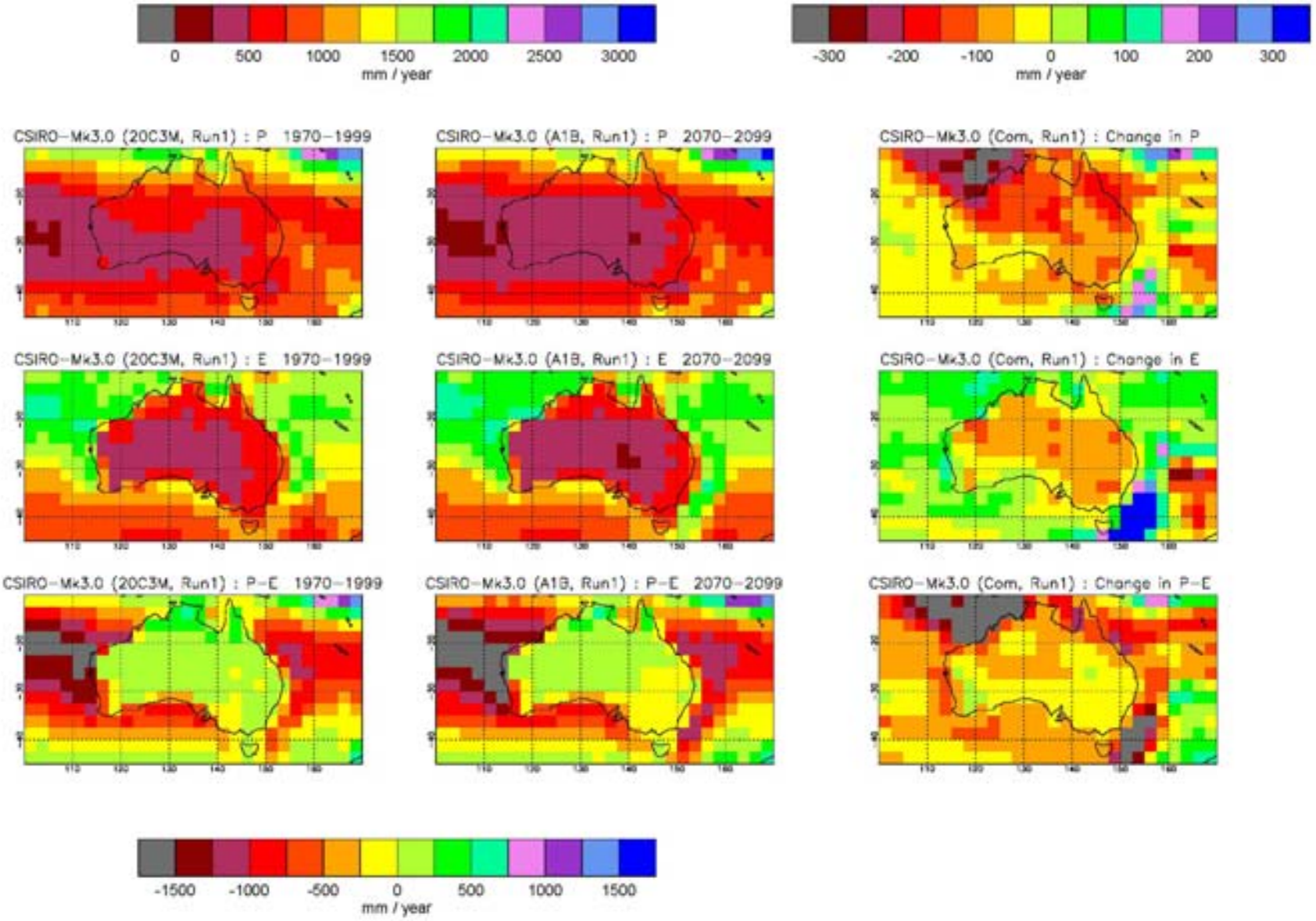
500
1000
1500
mm / year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mm / year
-300 -200 -100 0 100 200 300
mm / year
CSIRO-Mk3.0 (20C3M, Run1) : P 1970-1999
CSIRO-Mk3.0 (A1B, Run1) : P 2070-2099
CSIRO-Mk3.0 (Com, Run1) : Change in P
CSIRO-Mk3.0 (20C3M, Run1) : E 1970-1999
CSIRO-Mk3.0 (A1B, Run1) : E 2070-2099
CSIRO-Mk3.0 (Com, Run1) : Change in E
CSIRO-Mk3.0 (20C3M, Run1) : P-E 1970-1999
CSIRO-Mk3.0 (A1B, Run1) : P-E 2070-2099
CSIRO-Mk3.0 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

CSIRO-Mk3.0_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.50E+14	673.8	484.7	189.2	1.50E+14	674.0	487.6	186.4	0.2	3.0	-2.8
Australia	7.71E+12	627.4	570.0	57.5	7.71E+12	525.3	517.4	7.9	-102.2	-52.6	-49.6
New Zealand	3.28E+11	1028.5	822.6	205.9	3.28E+11	1018.5	818.1	200.4	-10.0	-4.5	-5.4
South America	1.92E+13	1024.9	736.9	287.9	1.92E+13	1008.7	733.8	274.9	-16.2	-3.1	-13.1
North America	2.45E+13	689.7	448.9	240.8	2.45E+13	727.3	462.5	264.8	37.5	13.6	24.0
Europe	6.53E+12	728.7	480.6	248.1	6.53E+12	728.9	499.6	229.3	0.1	19.0	-18.8
Africa	2.99E+13	736.3	585.5	150.8	2.99E+13	703.1	575.7	127.4	-33.1	-9.8	-23.4
Middle East	4.92E+12	101.1	192.8	-91.7	4.92E+12	89.4	186.8	-97.5	-11.8	-6.0	-5.8
Asia	3.76E+13	548.8	403.2	145.5	3.76E+13	577.2	423.4	153.8	28.4	20.2	8.2
Southeast Asia	4.27E+12	1747.7	1107.8	639.8	4.27E+12	1710.0	1099.5	610.5	-37.7	-8.3	-29.3
Antarctica	1.39E+13	155.5	22.9	132.6	1.39E+13	174.4	25.9	148.6	19.0	3.0	16.0

CSIRO-Mk3.0_Set1

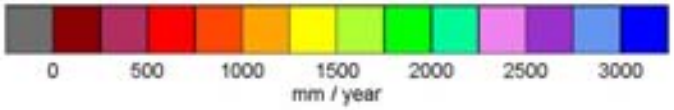
	1970 - 1999 (20C3M, Run1) E' = 0.984748											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	916.514	916.513	0	3.60E+14	1017.6	1096.3	-78.7	1.50E+14	673.8	484.7	189.2
-90° to -80°	3.86E+12	66.1	10.9	55.3	8.87E+10	215.2	97.0	118.2	3.77E+12	62.6	8.9	53.8
-80° to -70°	1.15E+13	210.7	42.6	168.1	3.48E+12	384.3	99.9	284.4	8.01E+12	135.4	17.8	117.7
-70° to -60°	1.88E+13	633.5	207.2	426.3	1.66E+13	664.3	225.5	438.8	2.18E+12	399.6	68.2	331.3
-60° to -50°	2.55E+13	964.7	497.6	467.0	2.52E+13	963.4	496.3	467.1	2.50E+11	1091.1	634.1	457.1
-50° to -40°	3.14E+13	1006.4	731.0	275.3	3.04E+13	1008.8	734.1	274.7	9.96E+11	931.4	637.0	294.3
-40° to -30°	3.64E+13	810.7	1042.1	-231.4	3.21E+13	850.1	1107.1	-256.9	4.31E+12	517.6	558.5	-40.9
-30° to -20°	4.02E+13	714.2	1221.0	-506.7	3.06E+13	711.0	1412.2	-701.2	9.67E+12	724.4	616.4	108.0
-20° to -10°	4.29E+13	1093.0	1430.7	-337.7	3.33E+13	1092.3	1615.9	-523.6	9.58E+12	1095.3	787.0	308.2
-10° to 0°	4.42E+13	1480.6	1266.1	214.5	3.36E+13	1486.3	1353.5	132.8	1.07E+13	1462.8	991.1	471.6
0° to 10°	4.42E+13	1603.7	1243.4	360.3	3.40E+13	1691.8	1340.1	351.7	1.02E+13	1311.6	922.5	389.1
10° to 20°	4.29E+13	959.5	1313.2	-353.7	3.15E+13	1110.0	1604.5	-494.5	1.14E+13	543.1	507.2	35.9
20° to 30°	4.02E+13	574.0	1024.2	-450.2	2.51E+13	666.3	1426.5	-760.2	1.52E+13	421.3	358.4	62.9
30° to 40°	3.64E+13	799.4	888.5	-89.1	2.07E+13	1018.6	1239.6	-221.0	1.57E+13	509.5	424.3	85.2
40° to 50°	3.14E+13	863.8	584.5	279.3	1.53E+13	1119.4	727.9	391.5	1.60E+13	619.2	447.4	171.9
50° to 60°	2.55E+13	790.0	491.9	298.1	1.09E+13	908.6	557.0	351.6	1.45E+13	700.8	443.0	257.8
60° to 70°	1.88E+13	554.1	292.4	261.7	5.32E+12	595.8	333.7	262.1	1.34E+13	537.6	276.0	261.6
70° to 80°	1.15E+13	253.9	87.7	166.2	8.00E+12	263.6	82.6	181.0	3.48E+12	231.6	99.5	132.2
80° to 90°	3.86E+12	191.4	51.5	139.9	3.48E+12	196.9	52.6	144.2	3.74E+11	140.7	41.4	99.3

CSIRO-Mk3.0_Set1

	2070 - 2099 (A1B, Run1) E' = 0.982064												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	942.3	942.3	0	3.60E+14	1054.0	1131.6	-77.6	1.50E+14	674.0	487.6	186.4	25.8	25.8	0.0	36.4	35.3	1.2	0.2	3.0	-2.8
-90° to -80°	3.86E+12	76.2	13.1	63.1	8.87E+10	222.5	91.7	130.7	3.77E+12	72.7	11.2	61.5	10.0	2.2	7.9	7.2	-5.3	12.5	10.1	2.3	7.8
-80° to -70°	1.15E+13	236.3	44.5	191.8	3.48E+12	426.6	99.1	327.5	8.01E+12	153.6	20.8	132.9	25.5	1.9	23.6	42.3	-0.8	43.0	18.2	3.0	15.2
-70° to -60°	1.88E+13	697.9	212.2	485.7	1.66E+13	732.3	230.7	501.7	2.18E+12	436.8	72.1	364.7	64.5	5.0	59.4	68.0	5.2	62.9	37.2	3.9	33.3
-60° to -50°	2.55E+13	1018.0	485.9	532.0	2.52E+13	1017.2	484.4	532.8	2.50E+11	1094.2	637.8	456.4	53.3	-11.7	65.0	53.8	-11.9	65.6	3.1	3.7	-0.6
-50° to -40°	3.14E+13	1017.4	754.1	263.2	3.04E+13	1021.6	758.0	263.6	9.96E+11	889.1	636.2	252.9	11.0	23.1	-12.1	12.8	23.9	-11.1	-42.2	-0.8	-41.4
-40° to -30°	3.64E+13	792.9	1061.2	-268.3	3.21E+13	833.8	1130.2	-296.4	4.31E+12	488.5	547.4	-58.9	-17.9	19.1	-36.9	-16.3	23.1	-39.5	-29.1	-11.1	-18.0
-30° to -20°	4.02E+13	696.3	1232.4	-536.1	3.06E+13	708.0	1440.7	-732.7	9.67E+12	659.2	573.7	85.5	-17.9	11.4	-29.3	-3.0	28.5	-31.5	-65.2	-42.8	-22.5
-20° to -10°	4.29E+13	1102.9	1483.1	-380.2	3.33E+13	1116.9	1687.1	-570.2	9.58E+12	1054.4	774.4	280.0	9.9	52.4	-42.5	24.6	71.2	-46.6	-40.9	-12.7	-28.2
-10° to 0°	4.42E+13	1544.3	1319.9	224.4	3.36E+13	1581.7	1426.6	155.1	1.07E+13	1426.5	984.0	442.4	63.6	53.8	9.8	95.4	73.1	22.3	-36.3	-7.1	-29.2
0° to 10°	4.42E+13	1670.5	1300.2	370.3	3.40E+13	1792.6	1414.3	378.4	1.02E+13	1265.1	921.4	343.7	66.8	56.8	10.0	100.9	74.2	26.7	-46.5	-1.1	-45.4
10° to 20°	4.29E+13	983.8	1358.0	-374.2	3.15E+13	1149.3	1669.7	-520.4	1.14E+13	525.9	495.6	30.4	24.3	44.8	-20.5	39.3	65.2	-25.9	-17.2	-11.6	-5.5
20° to 30°	4.02E+13	572.5	1039.5	-467.0	2.51E+13	673.0	1454.2	-781.2	1.52E+13	406.2	353.1	53.1	-1.5	15.3	-16.8	6.7	27.7	-21.0	-15.1	-5.3	-9.8
30° to 40°	3.64E+13	800.4	897.3	-97.0	2.07E+13	1018.6	1247.1	-228.5	1.57E+13	511.7	434.7	77.0	1.0	8.8	-7.8	0.0	7.5	-7.5	2.3	10.5	-8.2
40° to 50°	3.14E+13	894.5	595.8	298.7	1.53E+13	1151.4	725.3	426.0	1.60E+13	648.7	471.9	176.8	30.7	11.3	19.4	31.9	-2.6	34.5	29.4	24.5	4.9
50° to 60°	2.55E+13	832.4	486.3	346.2	1.09E+13	935.1	510.8	424.4	1.45E+13	755.1	467.8	287.3	42.4	-5.7	48.1	26.5	-46.2	72.7	54.3	24.8	29.5
60° to 70°	1.88E+13	610.3	323.0	287.3	5.32E+12	655.7	383.7	272.0	1.34E+13	592.3	298.9	293.4	56.2	30.6	25.6	59.9	49.9	9.9	54.7	23.0	31.8
70° to 80°	1.15E+13	321.4	143.5	177.9	8.00E+12	337.4	156.0	181.4	3.48E+12	284.5	114.8	169.7	67.4	55.8	11.6	73.8	73.4	0.3	52.8	15.3	37.6
80° to 90°	3.86E+12	235.1	51.0	184.1	3.48E+12	239.7	51.3	188.4	3.74E+11	192.2	48.3	143.9	43.7	-0.6	44.2	42.8	-1.4	44.2	51.5	6.9	44.6

CSIRO-Mk3.0_Set1

	2070 - 2099 (A2, Run1) E' = 1.00503												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	952.5	952.5	0	3.60E+14	1066.0	1144.9	-78.9	1.50E+14	680.0	490.4	189.6	36.0	36.0	0.0	48.4	48.6	-0.2	6.1	5.7	0.5
-90° to -80°	3.86E+12	77.1	14.1	63.0	8.87E+10	213.2	91.9	121.3	3.77E+12	73.9	12.2	61.7	11.0	3.2	7.8	-2.0	-5.1	3.1	11.3	3.4	7.9
-80° to -70°	1.15E+13	247.4	46.0	201.3	3.48E+12	446.8	101.1	345.7	8.01E+12	160.8	22.1	138.7	36.6	3.4	33.2	62.5	1.2	61.3	25.4	4.3	21.1
-70° to -60°	1.88E+13	719.7	213.8	505.9	1.66E+13	756.6	232.2	524.5	2.18E+12	439.2	74.2	365.0	86.2	6.6	79.6	92.4	6.7	85.7	39.6	6.0	33.6
-60° to -50°	2.55E+13	1031.8	483.7	548.1	2.52E+13	1031.2	482.1	549.1	2.50E+11	1095.7	639.6	456.1	67.1	-14.0	81.1	67.7	-14.2	81.9	4.6	5.5	-0.9
-50° to -40°	3.14E+13	1023.6	760.0	263.6	3.04E+13	1028.0	764.0	264.0	9.96E+11	890.3	638.7	251.6	17.3	29.0	-11.7	19.2	29.9	-10.7	-41.0	1.6	-42.7
-40° to -30°	3.64E+13	790.0	1074.5	-284.5	3.21E+13	829.4	1144.7	-315.3	4.31E+12	496.8	552.2	-55.4	-20.7	32.4	-53.1	-20.7	37.6	-58.3	-20.7	-6.3	-14.4
-30° to -20°	4.02E+13	695.1	1241.9	-546.8	3.06E+13	707.0	1454.3	-747.2	9.67E+12	657.4	570.6	86.8	-19.1	20.9	-40.0	-3.9	42.0	-46.0	-67.0	-45.8	-21.2
-20° to -10°	4.29E+13	1115.6	1493.6	-378.1	3.33E+13	1134.3	1702.6	-568.3	9.58E+12	1050.3	767.5	282.9	22.6	62.9	-40.4	42.0	86.7	-44.6	-44.9	-19.6	-25.4
-10° to 0°	4.42E+13	1553.5	1332.3	221.2	3.36E+13	1597.4	1445.2	152.2	1.07E+13	1415.3	976.8	438.5	72.9	66.2	6.7	111.1	91.8	19.3	-47.4	-14.3	-33.1
0° to 10°	4.42E+13	1718.9	1316.7	402.2	3.40E+13	1850.7	1432.9	417.8	1.02E+13	1281.5	931.0	350.5	115.2	73.3	41.9	158.9	92.8	66.1	-30.1	8.5	-38.5
10° to 20°	4.29E+13	961.0	1376.1	-415.1	3.15E+13	1119.3	1693.8	-574.5	1.14E+13	522.9	496.9	26.0	1.5	62.9	-61.4	9.3	89.3	-80.1	-20.2	-10.3	-9.9
20° to 30°	4.02E+13	572.2	1052.0	-479.8	2.51E+13	674.9	1474.5	-799.6	1.52E+13	402.0	352.5	49.5	-1.9	27.7	-29.6	8.6	48.0	-39.4	-19.2	-5.9	-13.4
30° to 40°	3.64E+13	814.6	904.7	-90.1	2.07E+13	1041.9	1258.1	-216.2	1.57E+13	514.0	437.3	76.7	15.2	16.2	-1.0	23.3	18.6	4.7	4.6	13.0	-8.5
40° to 50°	3.14E+13	909.3	608.8	300.5	1.53E+13	1168.7	744.3	424.4	1.60E+13	661.2	479.2	182.0	45.5	24.3	21.2	49.3	16.4	32.9	41.9	31.8	10.1
50° to 60°	2.55E+13	857.7	498.0	359.6	1.09E+13	965.1	524.5	440.6	1.45E+13	776.8	478.2	298.7	67.6	6.1	61.5	56.5	-32.5	89.0	76.0	35.2	40.9
60° to 70°	1.88E+13	628.7	326.3	302.4	5.32E+12	666.6	375.5	291.1	1.34E+13	613.7	306.8	306.9	74.6	33.9	40.7	70.7	41.7	29.0	76.2	30.9	45.3
70° to 80°	1.15E+13	336.8	154.4	182.3	8.00E+12	353.2	169.2	184.0	3.48E+12	299.0	120.5	178.5	82.8	66.7	16.1	89.6	86.6	3.0	67.3	21.0	46.3
80° to 90°	3.86E+12	240.5	48.5	191.9	3.48E+12	244.5	48.1	196.4	3.74E+11	203.0	52.3	150.7	49.1	-3.0	52.1	47.6	-4.5	52.1	62.3	11.0	51.3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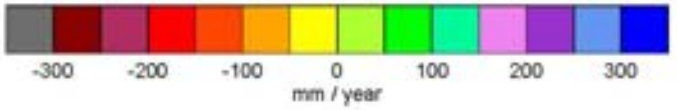
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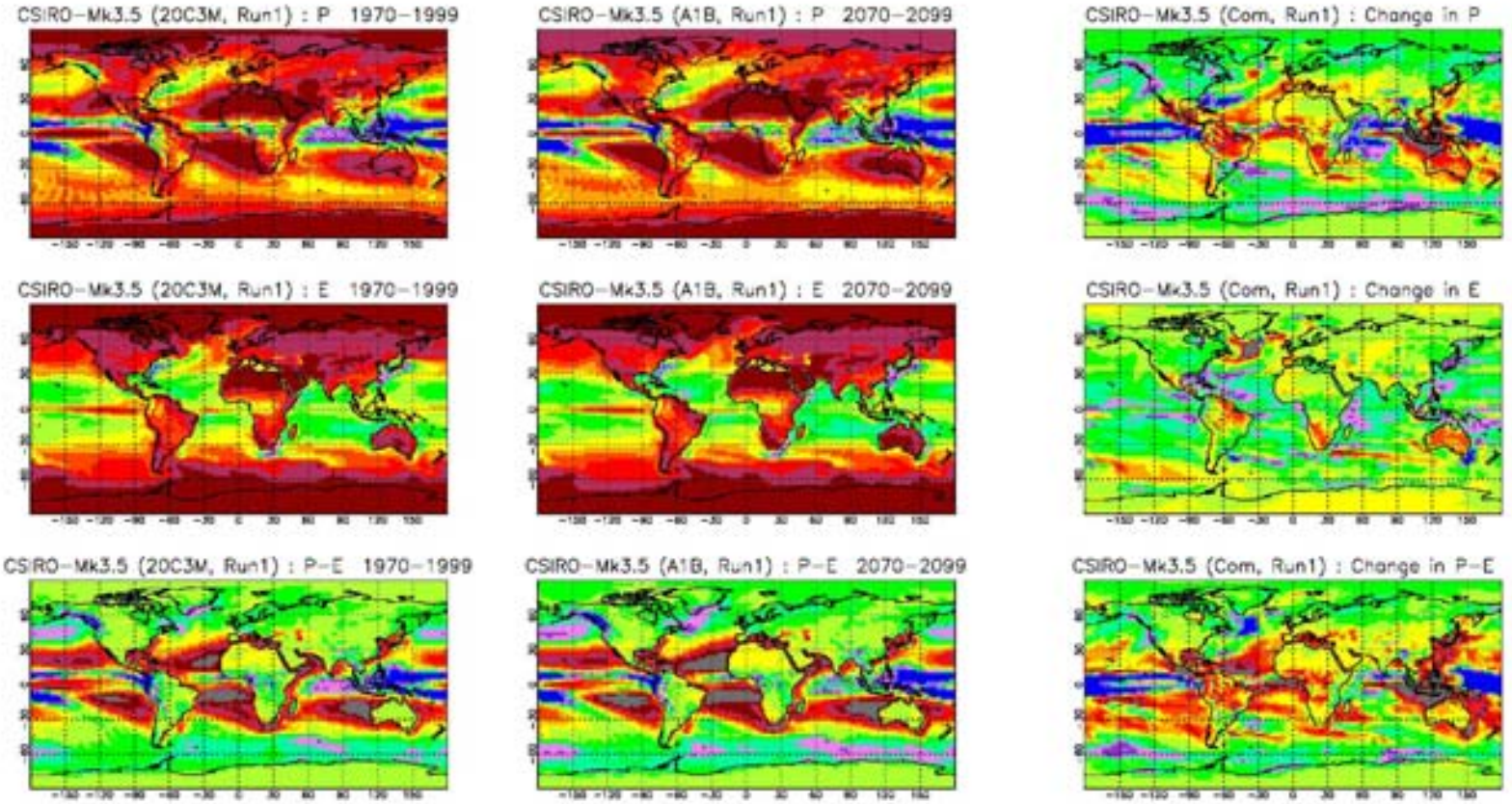
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CSIRO-Mk3.5 (20C3M, Run1) : E 1970-1999
CSIRO-Mk3.5 (A1B, Run1) : E 2070-2099
CSIRO-Mk3.5 (Com, Run1) : Change in E
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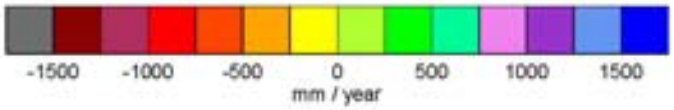
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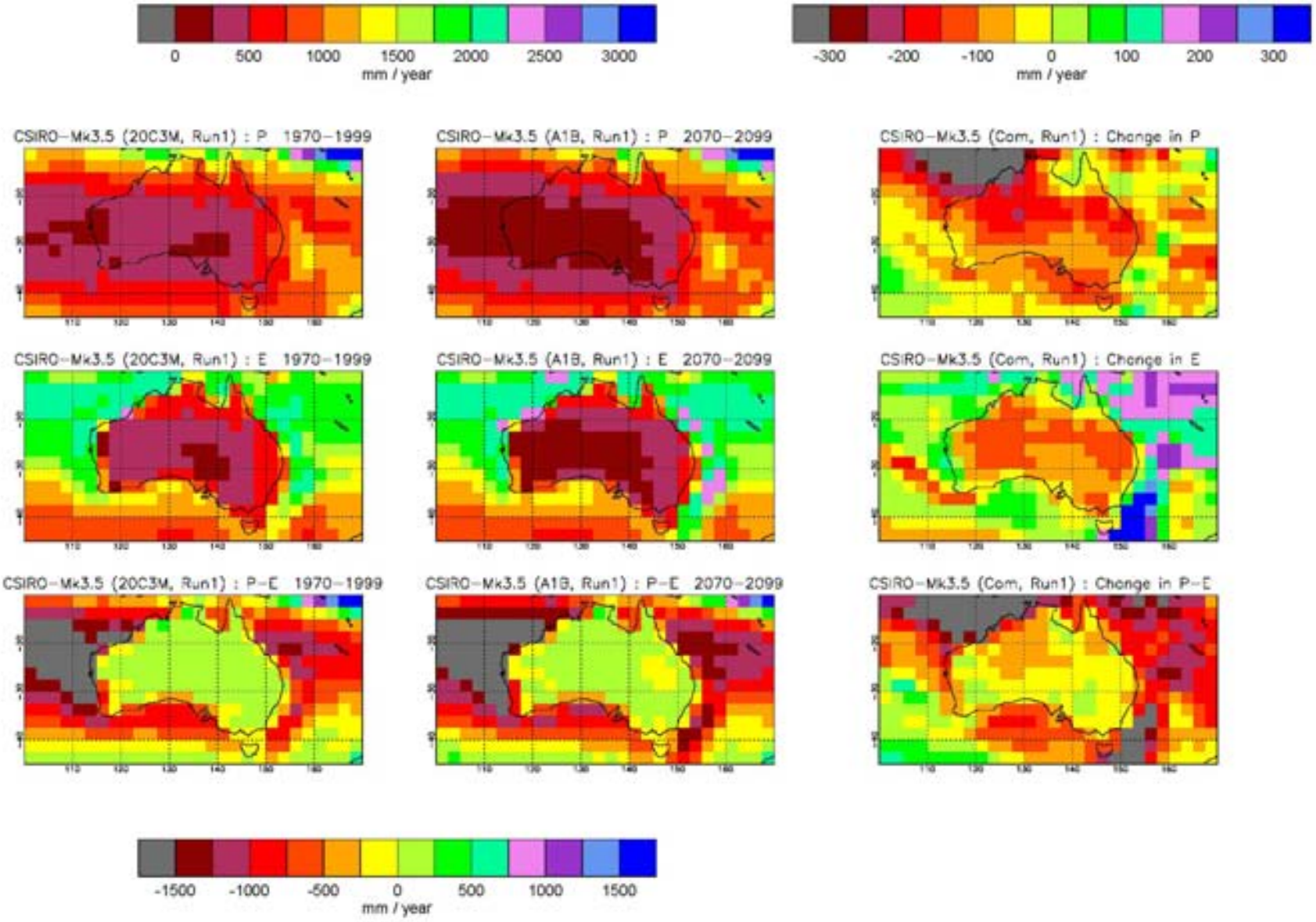
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CSIRO-Mk3.5 (A1B, Run1) : P-E 2070-2099
CSIRO-Mk3.5 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

CSIRO-Mk3.5_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.50E+14	683.7	462.3	221.4	1.50E+14	689.9	473.2	216.7	6.2	11.0	-4.7
Australia	7.71E+12	487.9	497.3	-9.5	7.71E+12	369.6	421.4	-51.9	-118.3	-75.9	-42.4
New Zealand	3.28E+11	1039.3	825.0	214.3	3.28E+11	1034.3	869.2	165.1	-5.0	44.2	-49.2
South America	1.92E+13	1002.6	664.3	338.3	1.92E+13	923.7	653.2	270.6	-78.9	-11.1	-67.8
North America	2.45E+13	680.4	414.7	265.6	2.45E+13	764.6	457.7	306.9	84.3	43.0	41.3
Europe	6.53E+12	752.0	484.0	267.9	6.53E+12	747.2	480.5	266.7	-4.8	-3.5	-1.2
Africa	2.99E+13	738.8	570.3	168.5	2.99E+13	713.4	580.2	133.1	-25.5	9.9	-35.3
Middle East	4.92E+12	96.4	201.5	-105.1	4.92E+12	92.6	204.9	-112.3	-3.9	3.4	-7.2
Asia	3.76E+13	583.8	401.2	182.6	3.76E+13	637.3	427.8	209.5	53.4	26.5	26.9
Southeast Asia	4.27E+12	1987.3	1134.6	852.6	4.27E+12	1882.2	1135.1	747.1	-105.1	0.5	-105.6
Antarctica	1.39E+13	176.7	4.3	172.4	1.39E+13	223.3	8.2	215.1	46.6	3.9	42.7

CSIRO-Mk3.5_Set1

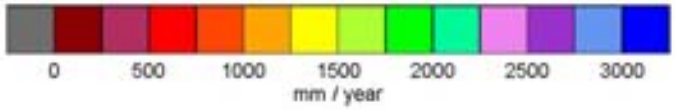
	1970 - 1999 (20C3M, Run1) E' = 0.981797											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	985.308	985.308	0	3.60E+14	1110.9	1203.1	-92.2	1.50E+14	683.7	462.3	221.4
-90° to -80°	3.86E+12	68.6	2.6	66.0	8.87E+10	141.9	49.2	92.7	3.77E+12	66.9	1.5	65.4
-80° to -70°	1.15E+13	248.1	20.2	228.0	3.48E+12	443.4	61.7	381.8	8.01E+12	163.4	2.2	161.2
-70° to -60°	1.88E+13	723.1	190.2	532.8	1.66E+13	762.3	212.9	549.4	2.18E+12	424.9	18.0	406.9
-60° to -50°	2.55E+13	1049.6	470.6	579.0	2.52E+13	1051.2	470.1	581.1	2.50E+11	888.2	516.3	371.9
-50° to -40°	3.14E+13	1044.1	820.7	223.4	3.04E+13	1053.4	829.5	223.9	9.96E+11	759.3	552.7	206.5
-40° to -30°	3.64E+13	852.2	1118.7	-266.5	3.21E+13	903.6	1199.7	-296.1	4.31E+12	469.0	515.6	-46.6
-30° to -20°	4.02E+13	728.4	1289.7	-561.3	3.06E+13	764.1	1527.5	-763.4	9.67E+12	615.6	538.0	77.6
-20° to -10°	4.29E+13	1043.7	1486.1	-442.4	3.33E+13	1080.6	1716.9	-636.2	9.58E+12	915.1	684.2	231.0
-10° to 0°	4.42E+13	1496.6	1373.4	123.2	3.36E+13	1517.1	1529.9	-12.7	1.07E+13	1431.9	880.7	551.2
0° to 10°	4.42E+13	1918.7	1391.3	527.4	3.40E+13	2028.4	1520.2	508.2	1.02E+13	1554.4	963.4	590.9
10° to 20°	4.29E+13	1068.7	1429.9	-361.2	3.15E+13	1224.4	1743.0	-518.7	1.14E+13	637.8	563.3	74.5
20° to 30°	4.02E+13	638.5	1147.4	-508.9	2.51E+13	763.7	1619.4	-855.7	1.52E+13	431.3	366.0	65.3
30° to 40°	3.64E+13	824.7	954.5	-129.7	2.07E+13	1095.2	1368.8	-273.6	1.57E+13	467.0	406.5	60.5
40° to 50°	3.14E+13	922.3	650.7	271.5	1.53E+13	1244.8	863.6	381.2	1.60E+13	613.7	447.1	166.6
50° to 60°	2.55E+13	884.3	492.3	392.0	1.09E+13	1070.2	591.9	478.3	1.45E+13	744.5	417.4	327.1
60° to 70°	1.88E+13	638.1	286.1	352.0	5.32E+12	724.6	374.2	350.4	1.34E+13	603.8	251.1	352.7
70° to 80°	1.15E+13	323.8	96.4	227.4	8.00E+12	337.8	102.1	235.6	3.48E+12	291.8	83.3	208.5
80° to 90°	3.86E+12	234.0	21.5	212.5	3.48E+12	237.3	20.7	216.6	3.74E+11	203.1	29.2	173.9

CSIRO-Mk3.5_Set1

	2070 - 2099 (A1B, Run1) E' = 0.97892												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1040.8	1040.8	0	3.60E+14	1186.8	1277.1	-90.2	1.50E+14	689.9	473.2	216.7	55.5	55.5	0.0	76.0	74.0	2.0	6.2	11.0	-4.7
-90° to -80°	3.86E+12	90.5	6.2	84.2	8.87E+10	175.2	62.0	113.2	3.77E+12	88.5	4.9	83.6	21.9	3.7	18.2	33.3	12.8	20.5	21.6	3.5	18.2
-80° to -70°	1.15E+13	311.9	26.8	285.1	3.48E+12	539.0	77.9	461.0	8.01E+12	213.4	4.7	208.7	63.8	6.7	57.1	95.5	16.3	79.3	50.0	2.5	47.5
-70° to -60°	1.88E+13	860.3	222.6	637.6	1.66E+13	907.5	248.3	659.2	2.18E+12	501.6	27.8	473.9	137.2	32.4	104.8	145.2	35.4	109.8	76.7	9.7	67.0
-60° to -50°	2.55E+13	1157.3	480.7	676.6	2.52E+13	1160.2	480.3	679.9	2.50E+11	866.1	515.0	351.1	107.7	10.1	97.6	109.0	10.2	98.8	-22.1	-1.3	-20.8
-50° to -40°	3.14E+13	1072.8	869.2	203.5	3.04E+13	1084.2	879.2	205.0	9.96E+11	724.5	565.1	159.3	28.7	48.5	-19.8	30.8	49.7	-18.9	-34.8	12.4	-47.2
-40° to -30°	3.64E+13	862.8	1165.7	-302.9	3.21E+13	918.2	1253.9	-335.7	4.31E+12	450.5	509.3	-58.8	10.7	47.1	-36.4	14.6	54.2	-39.7	-18.5	-6.3	-12.2
-30° to -20°	4.02E+13	724.9	1342.3	-617.5	3.06E+13	777.8	1611.2	-833.4	9.67E+12	557.5	492.5	65.0	-3.5	52.7	-56.2	13.8	83.7	-70.0	-58.1	-45.5	-12.6
-20° to -10°	4.29E+13	1015.2	1564.0	-548.8	3.33E+13	1069.4	1823.6	-754.2	9.58E+12	826.7	662.0	164.7	-28.5	77.9	-106.4	-11.2	106.7	-117.9	-88.5	-22.2	-66.3
-10° to 0°	4.42E+13	1619.2	1461.3	157.9	3.36E+13	1711.9	1648.3	63.6	1.07E+13	1327.6	872.6	455.0	122.7	88.0	34.7	194.7	118.5	76.3	-104.3	-8.1	-96.2
0° to 10°	4.42E+13	2099.4	1480.9	618.4	3.40E+13	2285.5	1628.4	657.1	1.02E+13	1481.3	991.4	489.9	180.7	89.6	91.0	257.1	108.2	148.9	-73.0	28.0	-101.0
10° to 20°	4.29E+13	1069.4	1517.7	-448.4	3.15E+13	1239.6	1863.1	-623.6	1.14E+13	598.2	561.7	36.6	0.7	87.8	-87.1	15.2	120.1	-104.9	-39.6	-1.6	-37.9
20° to 30°	4.02E+13	659.0	1217.5	-558.5	2.51E+13	789.8	1726.8	-937.0	1.52E+13	442.5	374.3	68.2	20.5	70.1	-49.6	26.1	107.4	-81.3	11.2	8.3	2.9
30° to 40°	3.64E+13	850.4	1003.6	-153.3	2.07E+13	1125.6	1437.1	-311.6	1.57E+13	486.4	430.4	56.0	25.6	49.1	-23.5	30.3	68.3	-38.0	19.4	23.8	-4.4
40° to 50°	3.14E+13	977.6	680.4	297.3	1.53E+13	1311.3	886.7	424.6	1.60E+13	658.4	483.0	175.4	55.3	29.6	25.7	66.5	23.0	43.4	44.7	35.9	8.8
50° to 60°	2.55E+13	968.3	507.9	460.4	1.09E+13	1156.1	586.2	569.9	1.45E+13	827.0	449.1	377.9	84.0	15.6	68.4	85.9	-5.7	91.6	82.5	31.7	50.9
60° to 70°	1.88E+13	741.0	320.8	420.1	5.32E+12	817.2	409.7	407.5	1.34E+13	710.7	285.6	425.1	102.9	34.8	68.1	92.7	35.5	57.1	106.9	34.5	72.4
70° to 80°	1.15E+13	402.9	128.0	274.9	8.00E+12	417.9	138.7	279.2	3.48E+12	368.5	103.6	264.9	79.1	31.6	47.5	80.1	36.5	43.6	76.7	20.2	56.5
80° to 90°	3.86E+12	305.6	28.8	276.8	3.48E+12	308.1	28.1	280.1	3.74E+11	282.0	35.4	246.6	71.6	7.3	64.4	70.9	7.4	63.5	78.9	6.2	72.7

CSIRO-Mk3.5_Set1

	2070 - 2099 (A2, Run1) E' = 0.978569												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1046.0	1046.0	0	3.60E+14	1190.7	1282.5	-91.7	1.50E+14	698.3	477.9	220.4	60.7	60.7	0.0	79.8	79.4	0.4	14.6	15.7	-1.1
-90° to -80°	3.86E+12	95.0	6.6	88.4	8.87E+10	186.0	62.2	123.8	3.77E+12	92.9	5.3	87.6	26.4	4.1	22.4	44.1	13.1	31.0	26.0	3.8	22.2
-80° to -70°	1.15E+13	317.3	29.2	288.1	3.48E+12	546.3	83.9	462.4	8.01E+12	218.0	5.5	212.5	69.2	9.1	60.1	102.8	22.2	80.6	54.6	3.3	51.3
-70° to -60°	1.88E+13	877.5	226.2	651.4	1.66E+13	923.7	252.1	671.6	2.18E+12	527.0	29.4	497.6	154.5	35.9	118.5	161.4	39.2	122.2	102.0	11.3	90.7
-60° to -50°	2.55E+13	1172.6	480.0	692.5	2.52E+13	1175.6	479.7	695.9	2.50E+11	862.2	514.2	348.0	123.0	9.4	113.5	124.5	9.6	114.9	-26.0	-2.1	-23.9
-50° to -40°	3.14E+13	1073.3	873.0	200.3	3.04E+13	1085.0	883.2	201.8	9.96E+11	716.1	561.6	154.5	29.2	52.3	-23.0	31.6	53.7	-22.1	-43.2	8.9	-52.0
-40° to -30°	3.64E+13	861.5	1170.6	-309.1	3.21E+13	916.0	1259.2	-343.2	4.31E+12	456.0	511.2	-55.1	9.3	51.9	-42.6	12.3	59.5	-47.1	-13.0	-4.5	-8.6
-30° to -20°	4.02E+13	723.7	1352.9	-629.1	3.06E+13	769.1	1620.6	-851.5	9.67E+12	580.3	506.4	73.9	-4.7	63.2	-67.8	5.0	93.2	-88.1	-35.3	-31.6	-3.7
-20° to -10°	4.29E+13	1017.3	1582.8	-565.5	3.33E+13	1059.1	1840.9	-781.8	9.58E+12	872.1	686.0	186.1	-26.4	96.7	-123.1	-21.5	124.0	-145.6	-43.1	1.8	-44.9
-10° to 0°	4.42E+13	1658.2	1478.1	180.1	3.36E+13	1746.6	1660.9	85.7	1.07E+13	1379.8	902.7	477.1	161.6	104.7	56.9	229.4	131.0	98.4	-52.1	22.0	-74.0
0° to 10°	4.42E+13	2120.7	1490.4	630.3	3.40E+13	2312.0	1638.6	673.5	1.02E+13	1485.5	998.7	486.8	202.0	99.1	102.9	283.6	118.3	165.2	-68.9	35.2	-104.1
10° to 20°	4.29E+13	1054.0	1520.5	-466.5	3.15E+13	1226.1	1872.5	-646.4	1.14E+13	577.9	546.3	31.6	-14.7	90.6	-105.2	1.7	129.5	-127.8	-59.9	-17.0	-42.9
20° to 30°	4.02E+13	643.6	1218.3	-574.7	2.51E+13	770.5	1732.7	-962.2	1.52E+13	433.5	366.7	66.8	5.0	70.9	-65.9	6.7	113.3	-106.5	2.2	0.7	1.5
30° to 40°	3.64E+13	844.6	1001.2	-156.6	2.07E+13	1119.1	1436.8	-317.7	1.57E+13	481.8	425.2	56.6	19.9	46.7	-26.8	23.8	68.0	-44.1	14.8	18.7	-3.9
40° to 50°	3.14E+13	985.8	671.3	314.5	1.53E+13	1322.7	861.3	461.4	1.60E+13	663.4	489.4	174.0	63.5	20.5	43.0	77.9	-2.4	80.2	49.7	42.4	7.3
50° to 60°	2.55E+13	974.7	512.5	462.2	1.09E+13	1164.6	587.5	577.1	1.45E+13	831.8	456.0	375.8	90.4	20.2	70.2	94.4	-4.4	98.8	87.4	38.6	48.7
60° to 70°	1.88E+13	745.5	319.7	425.9	5.32E+12	810.6	388.9	421.7	1.34E+13	719.7	292.2	427.6	107.4	33.6	73.9	86.0	14.8	71.3	115.9	41.1	74.9
70° to 80°	1.15E+13	413.3	129.1	284.2	8.00E+12	427.6	139.1	288.5	3.48E+12	380.4	106.2	274.2	89.5	32.7	56.8	89.8	37.0	52.9	88.6	22.9	65.7
80° to 90°	3.86E+12	317.7	31.0	286.7	3.48E+12	320.3	30.3	290.1	3.74E+11	293.3	37.7	255.5	83.7	9.5	74.2	83.0	9.6	73.4	90.2	8.6	81.6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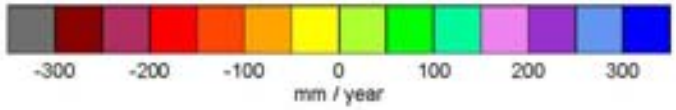
mm / year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-200
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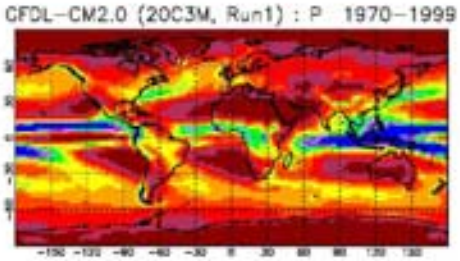
0
100
200
300
mm / year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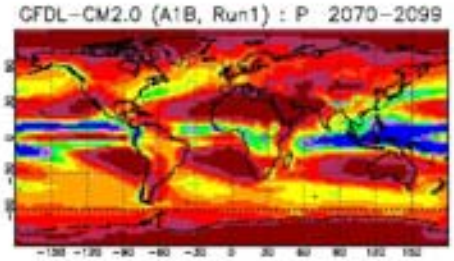
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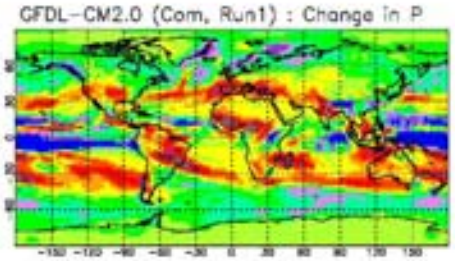
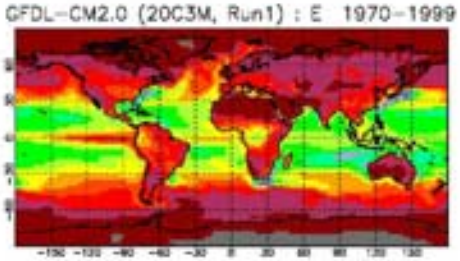

GFDL-CM2.0 (Com, Run1) : Change in P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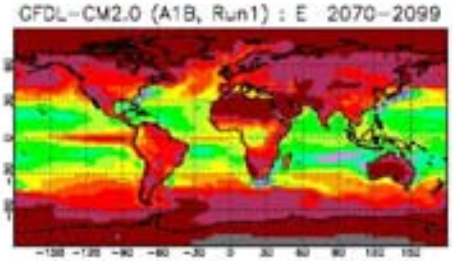
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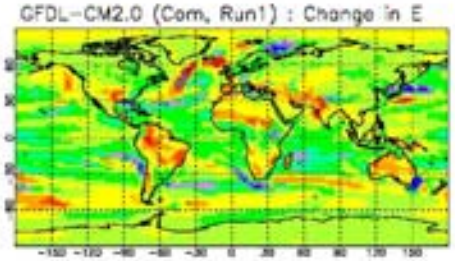
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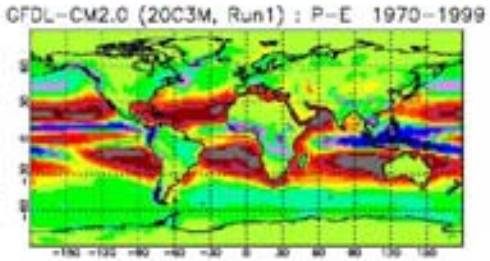
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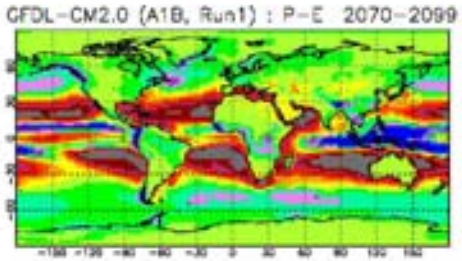
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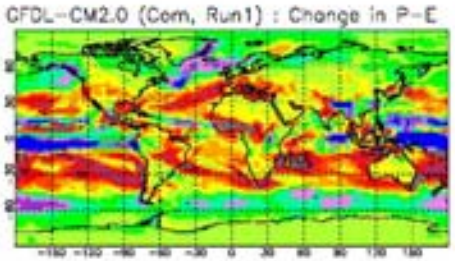
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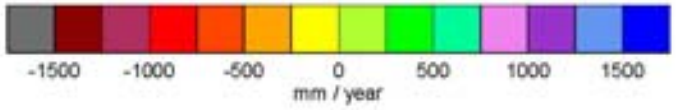
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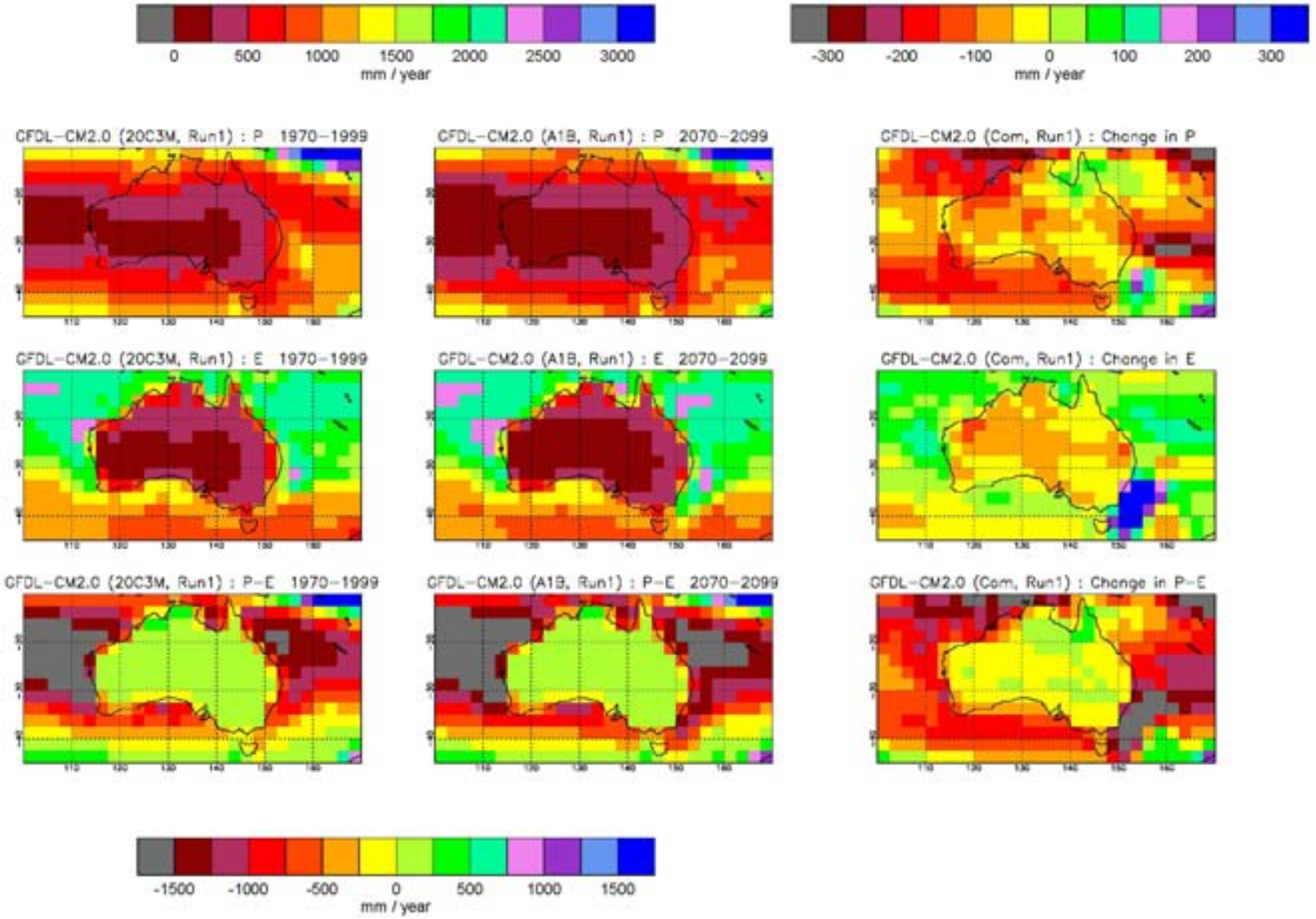
-500
0
500
1000
1500
mm / year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mm / year
-300 -200 -100 0 100 200 300
mm / year
GFDL-CM2.0 (20C3M, Run1) : P 1970-1999
GFDL-CM2.0 (A1B, Run1) : P 2070-2099
GFDL-CM2.0 (Com, Run1) : Change in P
GFDL-CM2.0 (20C3M, Run1) : E 1970-1999
GFDL-CM2.0 (A1B, Run1) : E 2070-2099
GFDL-CM2.0 (Com, Run1) : Change in E
GFDL-CM2.0 (20C3M, Run1) : P-E 1970-1999
GFDL-CM2.0 (A1B, Run1) : P-E 2070-2099
GFDL-CM2.0 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

GFDL-CM2.0_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.51E+14	743.8	487.8	256.0	1.51E+14	738.2	486.1	252.1	-5.6	-1.7	-3.9
Australia	7.73E+12	379.7	415.2	-35.5	7.73E+12	313.9	369.1	-55.2	-65.8	-46.1	-19.7
New Zealand	2.73E+11	1106.3	857.6	248.8	2.73E+11	1131.4	873.7	257.8	25.1	16.1	9.0
South America	1.83E+13	1059.0	718.7	340.3	1.83E+13	973.8	682.9	290.9	-85.3	-35.8	-49.4
North America	2.44E+13	745.0	472.9	272.1	2.44E+13	781.9	487.8	294.1	36.9	14.9	22.0
Europe	7.18E+12	817.9	550.2	267.8	7.18E+12	771.5	551.1	220.4	-46.5	0.9	-47.4
Africa	3.00E+13	837.0	583.0	254.0	3.00E+13	777.8	580.9	196.8	-59.2	-2.0	-57.2
Middle East	5.19E+12	106.9	199.5	-92.6	5.19E+12	69.8	174.1	-104.3	-37.0	-25.4	-11.7
Asia	3.84E+13	606.8	419.4	187.4	3.84E+13	656.2	434.3	221.9	49.4	15.0	34.5
Southeast Asia	4.67E+12	2601.1	1252.5	1348.6	4.67E+12	2641.4	1242.7	1398.7	40.3	-9.8	50.1
Antarctica	1.44E+13	212.9	25.1	187.8	1.44E+13	244.0	28.8	215.3	31.2	3.7	27.5

GFDL-CM2.0_Set1

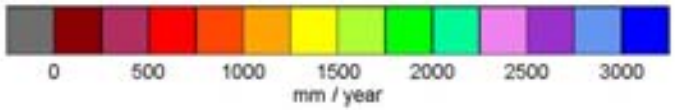
	1970 - 1999 (20C3M, Run1) E' = 0.983596											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1002.7	1002.7	0	3.58E+14	1111.9	1220.0	-108.1	1.51E+14	743.8	487.8	256.0
-90° to -80°	3.86E+12	102.4	5.4	97.0	3.58E+03	38.6	8.2	30.5	3.86E+12	102.4	5.4	97.0
-80° to -70°	1.15E+13	271.6	54.6	217.0	3.06E+12	468.6	149.5	319.1	8.42E+12	200.0	20.1	180.0
-70° to -60°	1.88E+13	637.0	245.6	391.5	1.66E+13	658.9	266.6	392.3	2.15E+12	468.2	83.1	385.2
-60° to -50°	2.55E+13	979.1	492.9	486.2	2.52E+13	975.7	490.8	484.9	2.54E+11	1321.6	702.2	619.4
-50° to -40°	3.14E+13	1154.8	757.2	397.6	3.03E+13	1151.7	761.5	390.2	1.04E+12	1244.9	632.2	612.7
-40° to -30°	3.64E+13	922.2	1161.8	-239.6	3.21E+13	983.8	1250.6	-266.8	4.23E+12	453.5	486.2	-32.7
-30° to -20°	4.02E+13	645.7	1341.7	-696.0	3.09E+13	687.4	1603.2	-915.8	9.30E+12	507.1	472.2	34.9
-20° to -10°	4.29E+13	1042.3	1593.9	-551.6	3.34E+13	1050.8	1853.7	-802.9	9.46E+12	1012.2	675.4	336.8
-10° to 0°	4.42E+13	1760.5	1406.1	354.4	3.38E+13	1755.9	1524.6	231.3	1.04E+13	1775.2	1021.9	753.3
0° to 10°	4.42E+13	1948.1	1435.5	512.7	3.40E+13	2045.4	1564.1	481.2	1.02E+13	1624.5	1007.2	617.3
10° to 20°	4.29E+13	1107.4	1463.6	-356.3	3.15E+13	1215.7	1783.1	-567.4	1.13E+13	806.1	575.6	230.5
20° to 30°	4.02E+13	561.9	1141.0	-579.1	2.47E+13	635.2	1628.6	-993.4	1.55E+13	444.7	361.7	83.0
30° to 40°	3.64E+13	907.9	948.8	-40.9	2.06E+13	1104.4	1280.2	-175.9	1.58E+13	651.8	516.8	135.0
40° to 50°	3.14E+13	915.3	565.6	349.8	1.47E+13	1153.8	643.8	510.0	1.66E+13	704.0	496.2	207.8
50° to 60°	2.55E+13	794.4	441.4	353.0	1.07E+13	914.9	466.9	448.0	1.48E+13	707.6	423.0	284.6
60° to 70°	1.88E+13	539.0	284.4	254.6	5.09E+12	624.1	343.9	280.2	1.37E+13	507.3	262.3	245.0
70° to 80°	1.15E+13	260.4	108.1	152.4	7.78E+12	268.8	115.0	153.8	3.71E+12	242.8	93.5	149.3
80° to 90°	3.86E+12	167.7	30.1	137.7	3.49E+12	169.6	30.9	138.7	3.63E+11	149.9	22.5	127.4

GFDL-CM2.0_Set1

	2070 - 2099 (A1B, Run1) E' = 0.980772												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1030.3	1030.3	0	3.58E+14	1153.6	1260.0	-106.4	1.51E+14	738.2	486.1	252.1	27.6	27.6	0.0	41.7	40.1	1.6	-5.6	-1.7	-3.9
-90° to -80°	3.86E+12	124.8	7.1	117.8	3.58E+03	120.2	9.3	111.0	3.86E+12	124.8	7.1	117.8	22.4	1.7	20.7	81.6	1.1	80.5	22.4	1.7	20.7
-80° to -70°	1.15E+13	311.3	62.9	248.4	3.06E+12	533.6	171.5	362.1	8.42E+12	230.5	23.4	207.1	39.7	8.3	31.4	65.0	22.0	43.0	30.5	3.3	27.2
-70° to -60°	1.88E+13	733.4	273.5	459.8	1.66E+13	761.2	297.0	464.2	2.15E+12	518.3	92.0	426.4	96.3	28.0	68.4	102.3	30.4	71.9	50.1	8.9	41.2
-60° to -50°	2.55E+13	1093.3	476.0	617.3	2.52E+13	1090.1	473.7	616.3	2.54E+11	1413.8	704.8	709.0	114.2	-16.9	131.0	114.4	-17.1	131.5	92.2	2.6	89.6
-50° to -40°	3.14E+13	1196.3	784.7	411.6	3.03E+13	1196.8	790.4	406.4	1.04E+12	1180.8	617.4	563.4	41.5	27.5	14.0	45.1	28.9	16.1	-64.2	-14.8	-49.4
-40° to -30°	3.64E+13	837.6	1195.1	-357.6	3.21E+13	893.2	1289.5	-396.3	4.23E+12	414.7	478.0	-63.2	-84.6	33.4	-118.0	-90.6	38.8	-129.4	-38.8	-8.2	-30.5
-30° to -20°	4.02E+13	566.7	1383.6	-816.9	3.09E+13	603.5	1669.2	-1065.7	9.30E+12	444.5	433.8	10.7	-79.0	41.9	-120.9	-83.9	66.0	-150.0	-62.7	-38.5	-24.2
-20° to -10°	4.29E+13	976.0	1646.5	-670.5	3.34E+13	997.7	1933.3	-935.7	9.46E+12	899.5	632.8	266.7	-66.3	52.6	-118.9	-53.2	79.6	-132.8	-112.7	-42.6	-70.1
-10° to 0°	4.42E+13	1942.5	1441.5	501.1	3.38E+13	1993.5	1575.3	418.2	1.04E+13	1777.2	1007.9	769.4	182.0	35.4	146.7	237.6	50.6	186.9	2.0	-14.1	16.1
0° to 10°	4.42E+13	1988.2	1472.0	516.1	3.40E+13	2115.5	1604.6	510.9	1.02E+13	1564.2	1030.9	533.3	40.0	36.6	3.5	70.1	40.4	29.7	-60.3	23.7	-84.0
10° to 20°	4.29E+13	1163.4	1486.2	-322.9	3.15E+13	1323.8	1821.8	-497.9	1.13E+13	717.3	553.4	163.9	56.0	22.6	33.4	108.1	38.7	69.4	-88.8	-22.2	-66.6
20° to 30°	4.02E+13	568.4	1170.7	-602.2	2.47E+13	625.7	1686.1	-1060.3	1.55E+13	476.9	346.9	130.0	6.5	29.6	-23.1	-9.5	57.4	-66.9	32.2	-14.8	47.0
30° to 40°	3.64E+13	859.6	970.9	-111.3	2.06E+13	1054.0	1324.2	-270.2	1.58E+13	606.2	510.4	95.8	-48.3	22.1	-70.4	-50.3	44.0	-94.3	-45.6	-6.4	-39.2
40° to 50°	3.14E+13	937.3	581.6	355.7	1.47E+13	1215.1	663.5	551.6	1.66E+13	691.1	508.9	182.2	21.9	16.0	5.9	61.3	19.7	41.6	-12.9	12.7	-25.6
50° to 60°	2.55E+13	882.7	464.7	418.0	1.07E+13	1030.3	479.6	550.7	1.48E+13	776.4	454.0	322.4	88.3	23.3	64.9	115.4	12.7	102.7	68.8	31.0	37.8
60° to 70°	1.88E+13	638.5	300.9	337.6	5.09E+12	732.7	349.7	383.1	1.37E+13	603.5	282.8	320.7	99.5	16.5	83.0	108.6	5.7	102.9	96.2	20.5	75.6
70° to 80°	1.15E+13	337.4	135.5	201.9	7.78E+12	351.5	152.0	199.5	3.71E+12	307.8	101.0	206.8	77.0	27.4	49.5	82.7	36.9	45.7	65.0	7.5	57.5
80° to 90°	3.86E+12	221.5	30.1	191.4	3.49E+12	223.0	30.9	192.1	3.63E+11	207.2	22.3	184.9	53.8	0.0	53.8	53.4	0.0	53.4	57.3	-0.2	57.5

GFDL-CM2.0_Set1

	2070 - 2099 (A2, Run1) E' = 0.980423												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1026.5	1026.5	0	3.58E+14	1149.6	1257.4	-107.8	1.51E+14	734.7	479.2	255.5	23.8	23.8	0.0	37.7	37.4	0.2	-9.2	-8.6	-0.5
-90° to -80°	3.86E+12	126.1	7.4	118.7	3.58E+03	146.0	4.0	142.0	3.86E+12	126.1	7.4	118.7	23.7	2.0	21.7	107.4	-4.2	111.6	23.7	2.0	21.7
-80° to -70°	1.15E+13	312.9	64.4	248.4	3.06E+12	539.4	175.8	363.6	8.42E+12	230.6	24.0	206.6	41.3	9.9	31.4	70.8	26.3	44.5	30.5	3.9	26.6
-70° to -60°	1.88E+13	747.9	269.8	478.1	1.66E+13	776.4	292.9	483.5	2.15E+12	527.9	91.6	436.3	110.9	24.2	86.6	117.5	26.3	91.2	59.7	8.5	51.2
-60° to -50°	2.55E+13	1111.2	470.2	641.1	2.52E+13	1108.3	467.8	640.4	2.54E+11	1406.7	701.6	705.1	132.1	-22.7	154.8	132.6	-22.9	155.5	85.1	-0.6	85.7
-50° to -40°	3.14E+13	1180.7	786.7	394.0	3.03E+13	1182.2	792.9	389.3	1.04E+12	1135.9	605.0	530.9	25.9	29.5	-3.6	30.5	31.4	-0.9	-109.0	-27.1	-81.9
-40° to -30°	3.64E+13	822.3	1195.8	-373.5	3.21E+13	874.6	1289.5	-414.9	4.23E+12	424.7	483.7	-58.9	-99.9	34.1	-133.9	-109.2	38.8	-148.1	-28.8	-2.5	-26.3
-30° to -20°	4.02E+13	577.6	1391.0	-813.4	3.09E+13	611.1	1675.1	-1064.0	9.30E+12	466.1	446.3	19.8	-68.2	49.3	-117.4	-76.3	71.9	-148.2	-41.0	-25.9	-15.1
-20° to -10°	4.29E+13	987.0	1649.7	-662.7	3.34E+13	1010.2	1936.0	-925.8	9.46E+12	905.0	637.8	267.2	-55.4	55.8	-111.2	-40.7	82.3	-122.9	-107.2	-37.7	-69.6
-10° to 0°	4.42E+13	1928.9	1445.2	483.7	3.38E+13	1959.2	1575.6	383.6	1.04E+13	1830.7	1022.7	808.1	168.4	39.1	129.3	203.2	50.9	152.3	55.5	0.8	54.8
0° to 10°	4.42E+13	1968.7	1467.6	501.1	3.40E+13	2089.6	1600.8	488.9	1.02E+13	1566.1	1024.4	541.7	20.6	32.1	-11.6	44.3	36.6	7.7	-58.4	17.2	-75.6
10° to 20°	4.29E+13	1188.9	1479.9	-291.0	3.15E+13	1369.0	1816.3	-447.4	1.13E+13	688.2	544.4	143.8	81.5	16.2	65.3	153.3	33.3	120.0	-117.9	-31.2	-86.7
20° to 30°	4.02E+13	560.2	1167.3	-607.0	2.47E+13	614.2	1686.9	-1072.7	1.55E+13	474.0	336.7	137.3	-1.7	26.2	-27.9	-21.0	58.3	-79.3	29.3	-25.0	54.3
30° to 40°	3.64E+13	823.8	948.3	-124.6	2.06E+13	1016.8	1306.6	-289.7	1.58E+13	572.2	481.4	90.7	-84.1	-0.5	-83.6	-87.5	26.3	-113.9	-79.6	-35.4	-44.3
40° to 50°	3.14E+13	921.2	573.8	347.3	1.47E+13	1208.8	668.5	540.3	1.66E+13	666.3	490.0	176.3	5.8	8.3	-2.4	55.0	24.7	30.3	-37.7	-6.3	-31.5
50° to 60°	2.55E+13	880.9	446.9	434.1	1.07E+13	1030.7	450.5	580.2	1.48E+13	773.1	444.2	328.9	86.5	5.5	81.1	115.7	-16.5	132.2	65.5	21.3	44.2
60° to 70°	1.88E+13	640.1	289.3	350.9	5.09E+12	736.7	329.2	407.4	1.37E+13	604.2	274.4	329.8	101.1	4.8	96.3	112.5	-14.7	127.2	96.9	12.1	84.8
70° to 80°	1.15E+13	331.0	125.6	205.4	7.78E+12	344.7	139.1	205.7	3.71E+12	302.0	97.3	204.8	70.5	17.5	53.0	75.9	24.0	51.9	59.2	3.8	55.4
80° to 90°	3.86E+12	222.9	28.2	194.7	3.49E+12	224.3	28.8	195.5	3.63E+11	209.4	22.2	187.3	55.2	-1.9	57.1	54.7	-2.1	56.8	59.6	-0.3	59.9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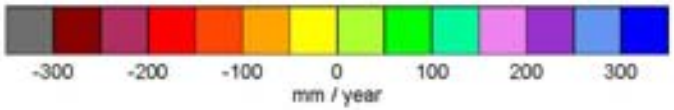
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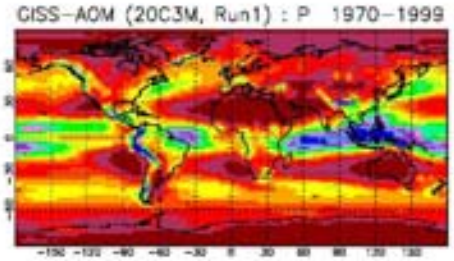
mm / year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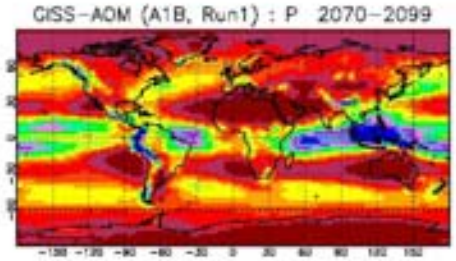
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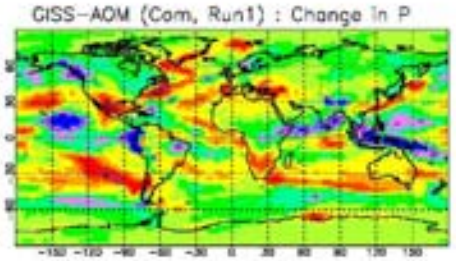
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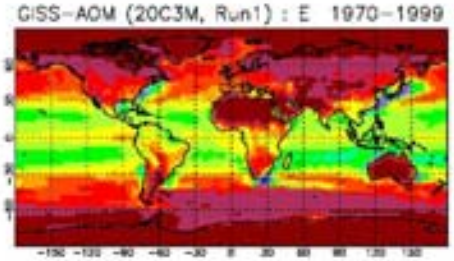
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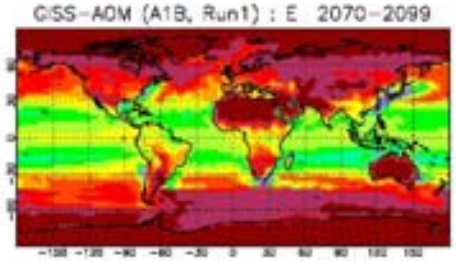
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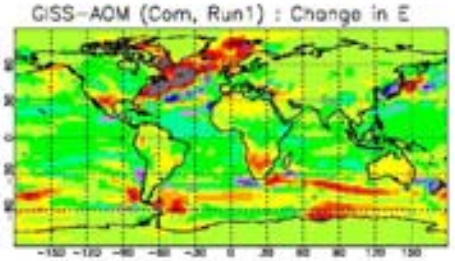
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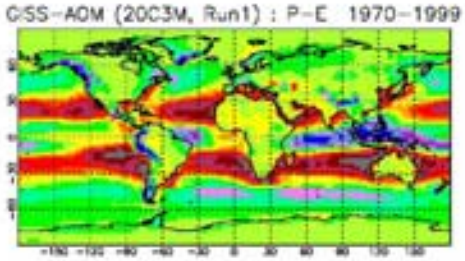
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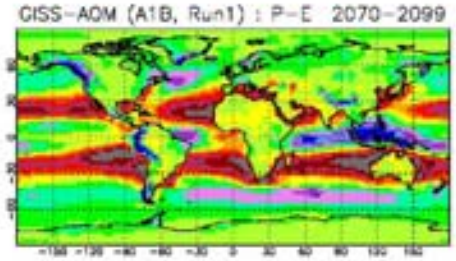
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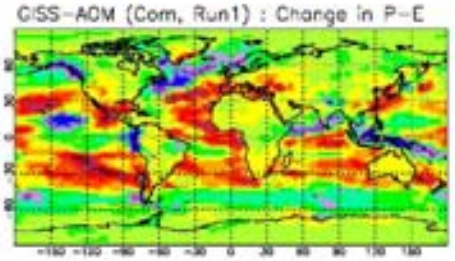
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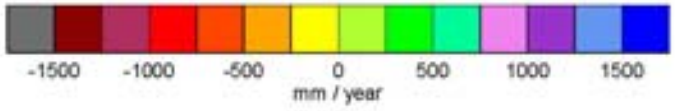
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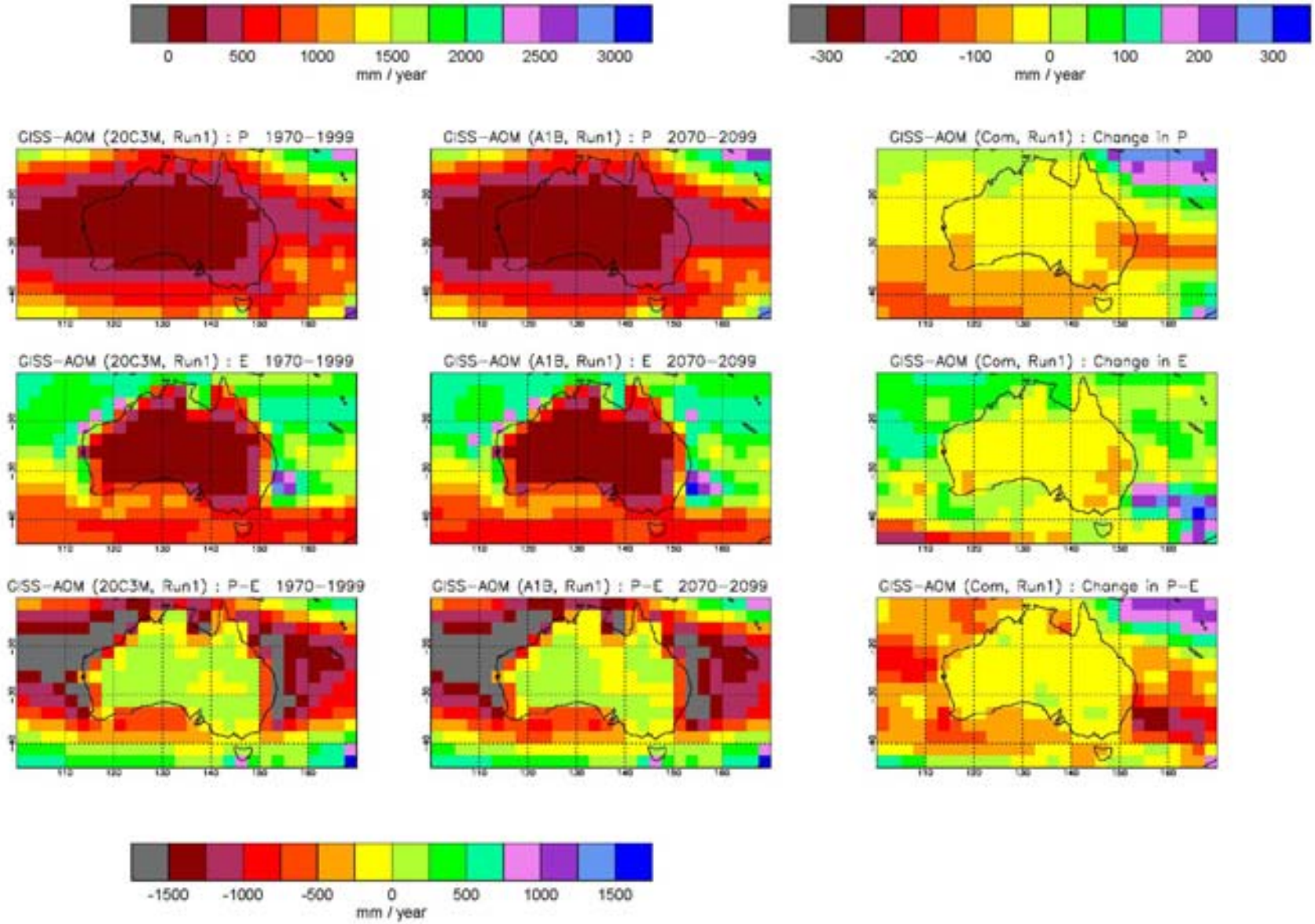
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GISS-AOM (Com, Run1) : Change in P
GISS-AOM (20C3M, Run1) : E 1970-1999
GISS-AOM (A1B, Run1) : E 2070-2099
GISS-AOM (Com, Run1) : Change in E
GISS-AOM (20C3M, Run1) : P-E 1970-1999
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-1500 -1000 -500 0 500 1000 1500
mm / year

GISS-AOM_Set1

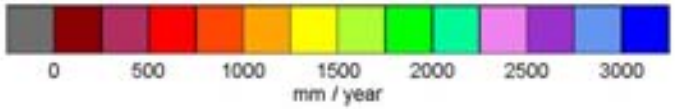
Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.28E+14	866.1	675.8	190.3	1.28E+14	902.1	699.3	202.8	36.0	23.5	12.5
Australia	7.96E+12	231.1	379.2	-148.1	7.96E+12	200.4	360.7	-160.2	-30.7	-18.5	-12.1
New Zealand	2.00E+11	1851.4	809.9	1041.5	2.00E+11	1997.9	890.5	1107.4	146.5	80.6	65.9
South America	1.76E+13	1520.1	1182.8	337.4	1.76E+13	1559.1	1201.9	357.2	39.0	19.2	19.8
North America	2.01E+13	943.0	607.6	335.4	2.01E+13	987.6	638.2	349.4	44.6	30.5	14.0
Europe	6.41E+12	926.5	668.8	257.8	6.41E+12	905.5	692.3	213.2	-21.1	23.5	-44.6
Africa	2.88E+13	640.7	658.8	-18.1	2.88E+13	657.3	675.1	-17.8	16.6	16.3	0.3
Middle East	4.59E+12	108.9	278.8	-169.8	4.59E+12	105.7	283.7	-178.0	-3.3	5.0	-8.2
Asia	3.67E+13	686.2	463.5	222.7	3.67E+13	740.3	499.2	241.1	54.1	35.7	18.4
Southeast Asia	4.51E+12	2395.9	1605.0	790.9	4.51E+12	2562.0	1646.8	915.2	166.0	41.8	124.2
Antarctica	0	-	-	-	0	-	-	-	-	-	-

GISS-AOM_Set1

	1970 - 1999 (20C3M, Run1) E' = 0.966784											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1036.6	1036.6	0	3.82E+14	1093.6	1157.2	-63.7	1.28E+14	866.1	675.8	190.3
-90° to -80°	3.86E+12	115.8	25.7	90.1	3.86E+12	115.8	25.7	90.1	0	-	-	-
-80° to -70°	1.15E+13	294.2	105.9	188.3	1.15E+13	294.2	105.9	188.3	0	-	-	-
-70° to -60°	1.88E+13	603.5	273.9	329.6	1.88E+13	603.5	273.9	329.6	0	-	-	-
-60° to -50°	2.55E+13	993.2	470.5	522.7	2.52E+13	989.4	469.0	520.3	2.24E+11	1424.5	631.6	792.8
-50° to -40°	3.14E+13	1213.1	667.3	545.8	3.04E+13	1197.1	667.9	529.2	9.70E+11	1712.6	648.5	1064.1
-40° to -30°	3.64E+13	804.7	1085.4	-280.7	3.21E+13	847.2	1158.6	-311.4	4.23E+12	482.8	530.3	-47.5
-30° to -20°	4.02E+13	515.7	1361.7	-845.9	3.12E+13	505.3	1581.9	-1076.6	9.04E+12	551.7	602.1	-50.4
-20° to -10°	4.29E+13	1083.9	1658.1	-574.2	3.36E+13	1067.4	1838.0	-770.6	9.32E+12	1143.5	1010.5	133.0
-10° to 0°	4.42E+13	1984.9	1535.2	449.7	3.42E+13	2024.8	1563.4	461.3	9.99E+12	1848.3	1438.5	409.7
0° to 10°	4.42E+13	1925.2	1486.5	438.7	3.46E+13	2023.1	1540.0	483.1	9.65E+12	1574.3	1294.9	279.5
10° to 20°	4.29E+13	1139.9	1444.3	-304.3	3.19E+13	1288.7	1709.5	-420.8	1.10E+13	707.9	674.2	33.7
20° to 30°	4.02E+13	658.2	1163.7	-505.5	2.52E+13	698.4	1543.4	-845.0	1.51E+13	591.0	528.5	62.5
30° to 40°	3.64E+13	839.2	951.8	-112.6	2.12E+13	963.3	1223.2	-259.9	1.52E+13	666.2	573.3	92.9
40° to 50°	3.14E+13	1032.6	753.9	278.6	1.60E+13	1302.4	971.1	331.3	1.54E+13	752.1	528.2	223.9
50° to 60°	2.55E+13	917.1	545.1	372.1	1.18E+13	1076.2	678.3	398.0	1.37E+13	780.6	430.7	349.9
60° to 70°	1.88E+13	701.9	348.3	353.7	7.08E+12	813.8	476.4	337.4	1.17E+13	634.1	270.6	363.5
70° to 80°	1.15E+13	361.4	158.8	202.6	9.28E+12	363.9	166.1	197.8	2.20E+12	350.8	127.8	223.0
80° to 90°	3.86E+12	268.3	73.4	194.9	3.81E+12	267.7	73.6	194.2	5.00E+10	313.4	61.0	252.4

GISS-AOM_Set1

	2070 - 2099 (A1B, Run1) E' = 0.963434												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1068.5	1068.5	0	3.82E+14	1124.2	1192.0	-67.8	1.28E+14	902.1	699.3	202.8	32.0	32.0	0.0	30.6	34.8	-4.2	36.0	23.5	12.5
-90° to -80°	3.86E+12	140.3	30.5	109.8	3.86E+12	140.3	30.5	109.8	0	-	-	-	24.5	4.8	19.7	24.5	4.8	19.7	-	-	-
-80° to -70°	1.15E+13	319.1	109.3	209.7	1.15E+13	319.1	109.3	209.7	0	-	-	-	24.9	3.4	21.4	24.9	3.4	21.4	-	-	-
-70° to -60°	1.88E+13	639.8	272.4	367.4	1.88E+13	639.8	272.4	367.4	0	-	-	-	36.3	-1.5	37.8	36.3	-1.5	37.8	-	-	-
-60° to -50°	2.55E+13	1080.5	458.0	622.5	2.52E+13	1076.2	456.4	619.8	2.24E+11	1570.1	638.2	931.9	87.3	-12.5	99.8	86.8	-12.7	99.5	145.7	6.5	139.1
-50° to -40°	3.14E+13	1237.6	653.3	584.4	3.04E+13	1222.0	652.4	569.6	9.70E+11	1726.5	678.8	1047.7	24.6	-14.0	38.6	24.9	-15.4	40.3	13.9	30.3	-16.4
-40° to -30°	3.64E+13	744.5	1115.2	-370.6	3.21E+13	785.3	1193.0	-407.7	4.23E+12	434.9	524.5	-89.6	-60.2	29.8	-89.9	-61.8	34.4	-96.2	-47.9	-5.8	-42.1
-30° to -20°	4.02E+13	475.7	1405.4	-929.8	3.12E+13	464.2	1644.3	-1180.1	9.04E+12	515.2	581.8	-66.6	-40.1	43.8	-83.8	-41.1	62.3	-103.4	-36.5	-20.3	-16.2
-20° to -10°	4.29E+13	1115.6	1709.1	-593.5	3.36E+13	1107.0	1904.7	-797.7	9.32E+12	1146.9	1005.0	141.9	31.7	51.0	-19.3	39.6	66.7	-27.1	3.4	-5.4	8.9
-10° to 0°	4.42E+13	2067.5	1596.8	470.8	3.42E+13	2098.3	1632.7	465.7	9.99E+12	1961.9	1473.8	488.2	82.7	61.5	21.1	73.6	69.2	4.4	113.7	35.2	78.5
0° to 10°	4.42E+13	2018.7	1553.6	465.1	3.46E+13	2117.6	1612.2	505.4	9.65E+12	1664.3	1343.7	320.7	93.5	67.1	26.4	94.5	72.2	22.3	90.0	48.8	41.2
10° to 20°	4.29E+13	1234.5	1510.1	-275.5	3.19E+13	1400.1	1785.4	-385.3	1.10E+13	753.8	710.8	43.0	94.6	65.8	28.8	111.4	75.9	35.5	45.9	36.5	9.3
20° to 30°	4.02E+13	652.5	1220.6	-568.1	2.52E+13	687.6	1624.3	-936.6	1.51E+13	593.8	545.2	48.6	-5.7	56.9	-62.6	-10.8	80.8	-91.6	2.7	16.7	-14.0
30° to 40°	3.64E+13	812.6	975.0	-162.5	2.12E+13	918.9	1255.5	-336.6	1.52E+13	664.2	583.9	80.4	-26.7	23.2	-49.9	-44.4	32.3	-76.7	-1.9	10.5	-12.5
40° to 50°	3.14E+13	1051.8	760.3	291.4	1.60E+13	1314.7	945.2	369.6	1.54E+13	778.4	568.2	210.2	19.2	6.4	12.8	12.3	-25.9	38.3	26.3	40.0	-13.7
50° to 60°	2.55E+13	985.7	549.0	436.6	1.18E+13	1137.6	636.7	501.0	1.37E+13	855.2	473.8	381.4	68.5	4.0	64.6	61.4	-41.6	103.0	74.6	43.1	31.5
60° to 70°	1.88E+13	762.5	351.9	410.6	7.08E+12	834.9	436.2	398.7	1.17E+13	718.7	300.9	417.8	60.6	3.7	56.9	21.1	-40.2	61.3	84.6	30.3	54.3
70° to 80°	1.15E+13	395.0	155.6	239.4	9.28E+12	393.3	158.7	234.6	2.20E+12	402.3	142.4	259.9	33.6	-3.2	36.8	29.4	-7.4	36.8	51.5	14.7	36.8
80° to 90°	3.86E+12	305.5	72.5	233.0	3.81E+12	304.8	72.7	232.1	5.00E+10	358.3	57.7	300.6	37.1	-0.9	38.1	37.0	-0.9	38.0	44.8	-3.3	48.1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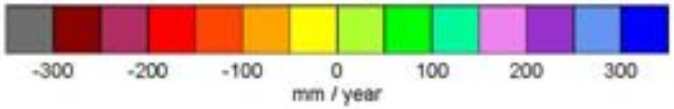
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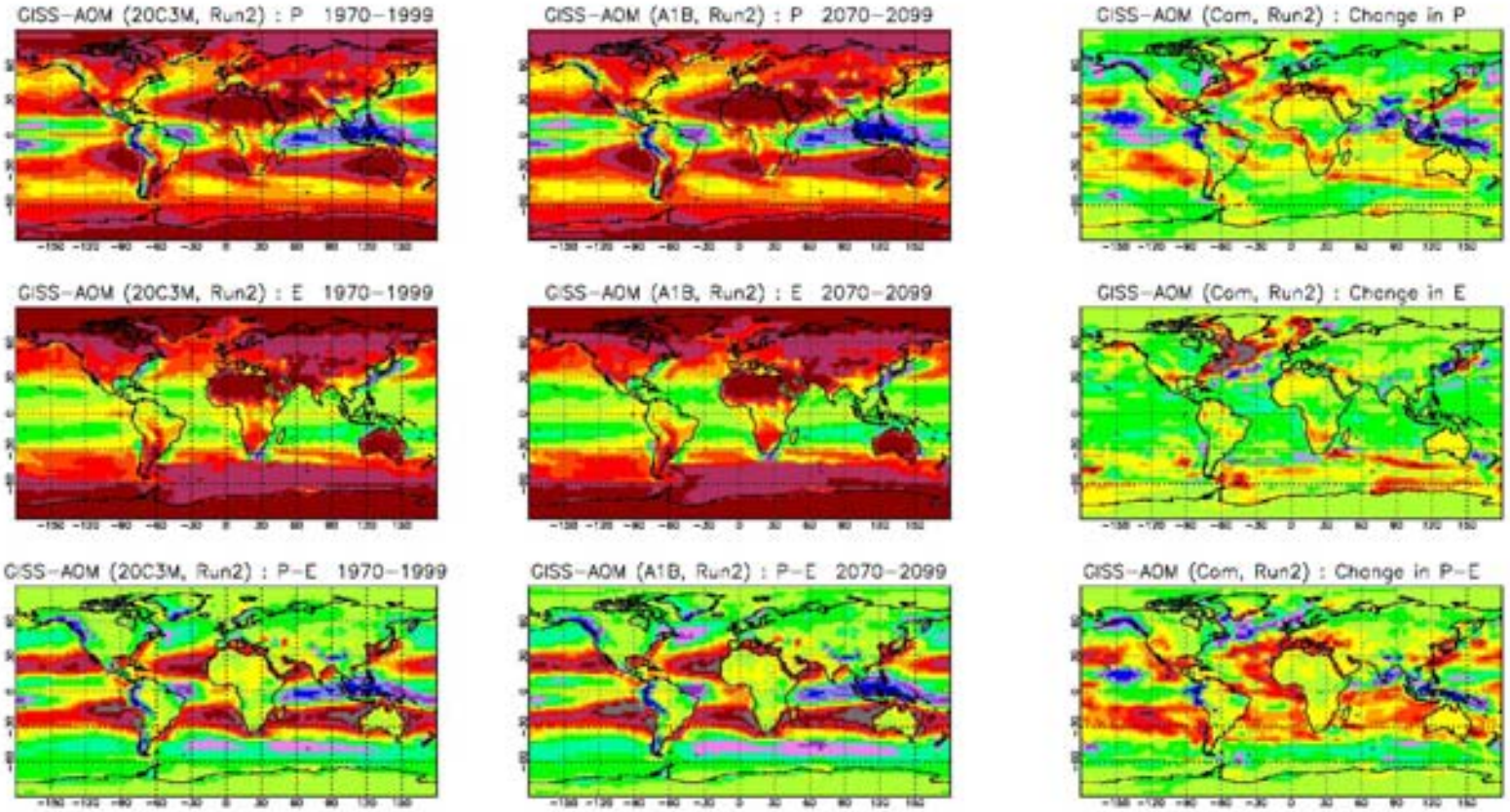
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GISS-AOM (Com, Run2) : Change in P
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GISS-AOM (A1B, Run2) : E 2070-2099
GISS-AOM (Com, Run2) : Change in E
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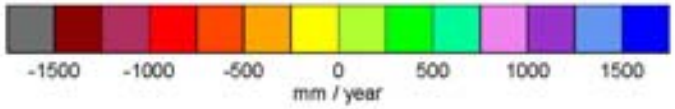
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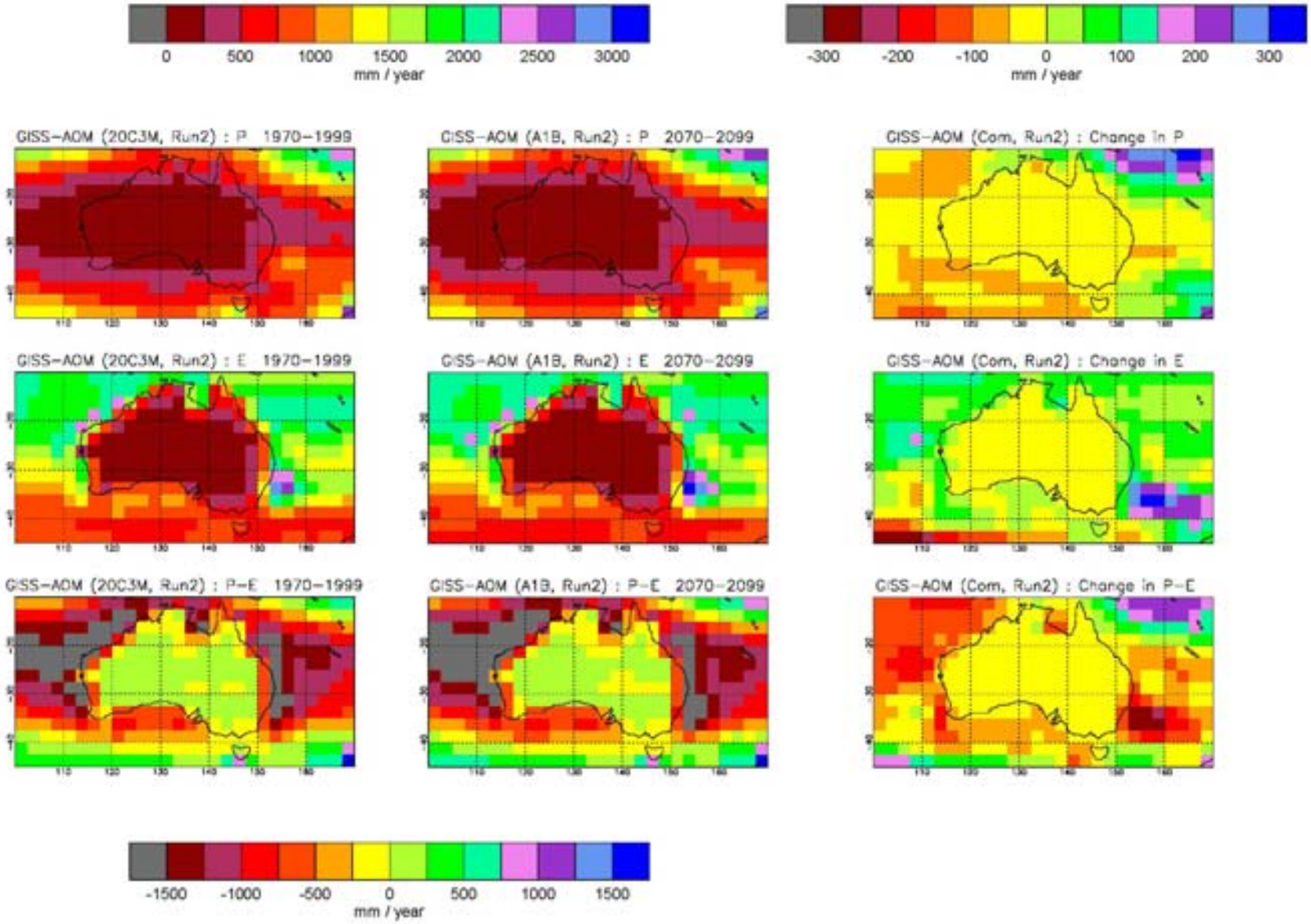
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GISS-AOM (Com, Run2) : Change in P
GISS-AOM (20C3M, Run2) : E 1970-1999
GISS-AOM (A1B, Run2) : E 2070-2099
GISS-AOM (Com, Run2) : Change in E
GISS-AOM (20C3M, Run2) : P-E 1970-1999
GISS-AOM (A1B, Run2) : P-E 2070-2099
GISS-AOM (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

GISS-AOM_Set2

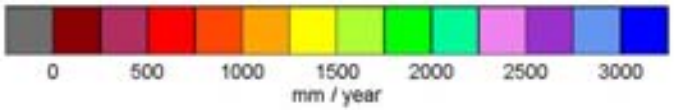
Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.28E+14	865.8	674.8	191.0	1.28E+14	901.7	699.3	202.4	35.9	24.5	11.3
Australia	7.96E+12	227.5	374.6	-147.1	7.96E+12	203.2	362.8	-159.6	-24.3	-11.8	-12.4
New Zealand	2.00E+11	1833.5	830.6	1002.8	2.00E+11	1978.5	872.7	1105.8	145.0	42.0	103.0
South America	1.76E+13	1515.9	1177.9	338.1	1.76E+13	1538.3	1191.0	347.3	22.3	13.1	9.3
North America	2.01E+13	934.7	604.7	330.0	2.01E+13	988.1	640.1	348.0	53.4	35.5	17.9
Europe	6.41E+12	933.7	667.7	266.0	6.41E+12	904.7	693.1	211.6	-29.0	25.4	-54.4
Africa	2.88E+13	649.8	664.9	-15.1	2.88E+13	655.2	675.0	-19.8	5.4	10.0	-4.7
Middle East	4.59E+12	118.5	285.8	-167.3	4.59E+12	99.3	278.8	-179.5	-19.2	-7.0	-12.2
Asia	3.67E+13	683.8	459.4	224.3	3.67E+13	750.1	502.7	247.4	66.3	43.3	23.0
Southeast Asia	4.51E+12	2389.9	1602.6	787.3	4.51E+12	2569.6	1652.8	916.8	179.7	50.2	129.5
Antarctica	0	-	-	-	0	-	-	-	-	-	-

GISS-AOM_Set2

	1970 - 1999 (20C3M, Run2) E' = 0.966912											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1035.6	1035.6	0	3.82E+14	1092.4	1156.3	-63.9	1.28E+14	865.8	674.8	191.0
-90° to -80°	3.86E+12	117.2	24.7	92.5	3.86E+12	117.2	24.7	92.5	0	-	-	-
-80° to -70°	1.15E+13	298.0	109.3	188.7	1.15E+13	298.0	109.3	188.7	0	-	-	-
-70° to -60°	1.88E+13	611.8	288.0	323.8	1.88E+13	611.8	288.0	323.8	0	-	-	-
-60° to -50°	2.55E+13	1001.3	467.3	534.0	2.52E+13	997.6	466.0	531.5	2.24E+11	1424.5	610.8	813.7
-50° to -40°	3.14E+13	1203.9	667.0	536.9	3.04E+13	1187.9	667.6	520.3	9.70E+11	1706.6	647.7	1058.9
-40° to -30°	3.64E+13	775.4	1079.7	-304.4	3.21E+13	817.2	1154.0	-336.8	4.23E+12	457.5	516.0	-58.5
-30° to -20°	4.02E+13	512.8	1359.7	-846.9	3.12E+13	501.9	1580.4	-1078.6	9.04E+12	550.3	598.3	-47.9
-20° to -10°	4.29E+13	1102.0	1656.6	-554.6	3.36E+13	1089.7	1835.3	-745.5	9.32E+12	1146.2	1013.3	132.9
-10° to 0°	4.42E+13	1989.5	1534.5	455.0	3.42E+13	2028.7	1562.9	465.8	9.99E+12	1855.2	1437.3	417.9
0° to 10°	4.42E+13	1927.0	1488.0	439.0	3.46E+13	2023.0	1540.4	482.6	9.65E+12	1582.8	1300.3	282.5
10° to 20°	4.29E+13	1136.7	1447.1	-310.4	3.19E+13	1284.4	1711.8	-427.5	1.10E+13	708.1	678.3	29.8
20° to 30°	4.02E+13	653.7	1162.2	-508.5	2.52E+13	692.3	1542.2	-849.9	1.51E+13	589.2	526.5	62.7
30° to 40°	3.64E+13	842.5	947.9	-105.4	2.12E+13	963.1	1214.1	-251.0	1.52E+13	674.3	576.7	97.6
40° to 50°	3.14E+13	1032.3	748.9	283.4	1.60E+13	1304.1	964.3	339.8	1.54E+13	749.8	525.0	224.7
50° to 60°	2.55E+13	911.7	543.0	368.6	1.18E+13	1072.9	680.9	392.0	1.37E+13	773.3	424.7	348.5
60° to 70°	1.88E+13	700.3	347.6	352.6	7.08E+12	814.2	479.3	334.9	1.17E+13	631.2	267.9	363.4
70° to 80°	1.15E+13	355.3	154.1	201.2	9.28E+12	358.0	160.8	197.2	2.20E+12	344.1	126.1	218.0
80° to 90°	3.86E+12	260.3	69.4	190.9	3.81E+12	259.8	69.5	190.3	5.00E+10	298.3	59.1	239.2

GISS-AOM_Set2

	2070 - 2099 (A1B, Run2) E' = 0.963534												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1068.3	1068.3	0	3.82E+14	1124.0	1191.7	-67.7	1.28E+14	901.7	699.3	202.4	32.7	32.7	0.0	31.6	35.4	-3.8	35.9	24.5	11.3
-90° to -80°	3.86E+12	139.5	30.3	109.2	3.86E+12	139.5	30.3	109.2	0	-	-	-	22.3	5.6	16.7	22.3	5.6	16.7	-	-	-
-80° to -70°	1.15E+13	320.9	110.0	210.9	1.15E+13	320.9	110.0	210.9	0	-	-	-	22.9	0.7	22.2	22.9	0.7	22.2	-	-	-
-70° to -60°	1.88E+13	640.8	270.7	370.1	1.88E+13	640.8	270.7	370.1	0	-	-	-	29.0	-17.3	46.3	29.0	-17.3	46.3	-	-	-
-60° to -50°	2.55E+13	1068.9	451.6	617.3	2.52E+13	1064.8	450.0	614.8	2.24E+11	1533.5	636.1	897.5	67.6	-15.7	83.3	67.2	-16.1	83.3	109.0	25.2	83.8
-50° to -40°	3.14E+13	1237.1	656.7	580.3	3.04E+13	1221.8	656.1	565.7	9.70E+11	1717.3	678.3	1039.0	33.1	-10.2	43.4	33.9	-11.5	45.4	10.8	30.7	-19.9
-40° to -30°	3.64E+13	740.8	1102.6	-361.8	3.21E+13	779.5	1178.0	-398.5	4.23E+12	447.0	529.9	-82.9	-34.6	22.8	-57.4	-37.7	24.0	-61.8	-10.5	13.8	-24.3
-30° to -20°	4.02E+13	479.1	1405.9	-926.7	3.12E+13	464.3	1642.4	-1178.1	9.04E+12	530.4	590.4	-60.0	-33.6	46.2	-79.9	-37.6	61.9	-99.5	-19.9	-7.9	-12.1
-20° to -10°	4.29E+13	1110.5	1710.5	-600.0	3.36E+13	1103.4	1907.6	-804.2	9.32E+12	1136.1	1000.8	135.3	8.5	53.9	-45.4	13.6	72.4	-58.7	-10.1	-12.6	2.4
-10° to 0°	4.42E+13	2064.5	1596.7	467.9	3.42E+13	2102.2	1635.3	466.9	9.99E+12	1935.6	1464.6	471.1	75.0	62.2	12.8	73.5	72.4	1.1	80.4	27.3	53.2
0° to 10°	4.42E+13	2014.5	1551.4	463.1	3.46E+13	2118.2	1612.6	505.5	9.65E+12	1642.9	1331.9	311.0	87.5	63.4	24.1	95.1	72.2	22.9	60.1	31.6	28.5
10° to 20°	4.29E+13	1242.3	1508.1	-265.9	3.19E+13	1410.5	1783.3	-372.8	1.10E+13	753.9	709.3	44.6	105.5	61.1	44.5	126.1	71.4	54.7	45.8	31.0	14.9
20° to 30°	4.02E+13	657.3	1222.4	-565.1	2.52E+13	688.5	1624.4	-935.9	1.51E+13	605.1	549.9	55.1	3.5	60.2	-56.6	-3.9	82.2	-86.0	15.9	23.4	-7.5
30° to 40°	3.64E+13	809.4	975.1	-165.7	2.12E+13	913.0	1255.3	-342.3	1.52E+13	664.8	584.2	80.6	-33.1	27.1	-60.3	-50.1	41.2	-91.3	-9.5	7.5	-17.0
40° to 50°	3.14E+13	1043.2	765.3	277.9	1.60E+13	1304.3	953.1	351.2	1.54E+13	771.9	570.2	201.7	10.9	16.5	-5.5	0.2	-11.2	11.4	22.1	45.2	-23.1
50° to 60°	2.55E+13	995.1	552.5	442.6	1.18E+13	1145.7	639.9	505.9	1.37E+13	865.9	477.5	388.4	83.5	9.5	74.0	72.8	-41.0	113.8	92.6	52.8	39.9
60° to 70°	1.88E+13	776.6	357.5	419.1	7.08E+12	854.2	451.7	402.5	1.17E+13	729.6	300.4	429.2	76.4	9.9	66.5	40.0	-27.5	67.6	98.4	32.6	65.8
70° to 80°	1.15E+13	397.9	162.7	235.1	9.28E+12	397.6	166.7	231.0	2.20E+12	398.8	146.2	252.7	42.5	8.6	33.9	39.6	5.9	33.8	54.7	20.1	34.7
80° to 90°	3.86E+12	310.6	78.3	232.4	3.81E+12	309.9	78.5	231.4	5.00E+10	366.7	60.8	305.9	50.4	8.9	41.5	50.1	9.0	41.1	68.4	1.6	66.7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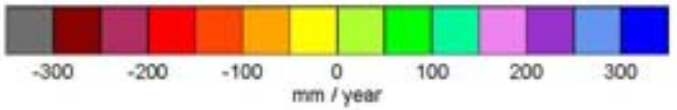
mm / year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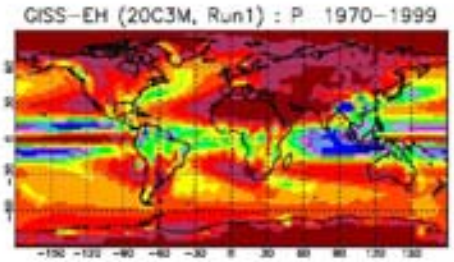
mm / year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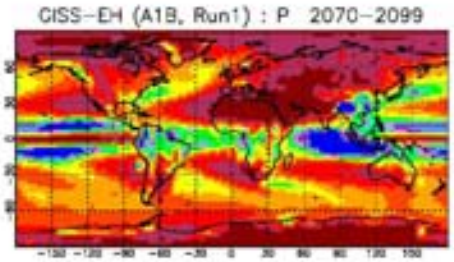
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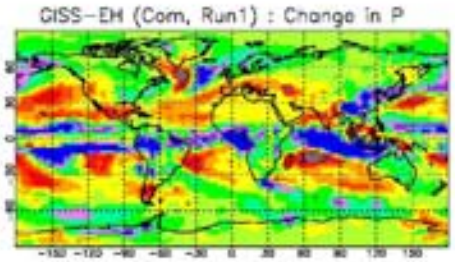
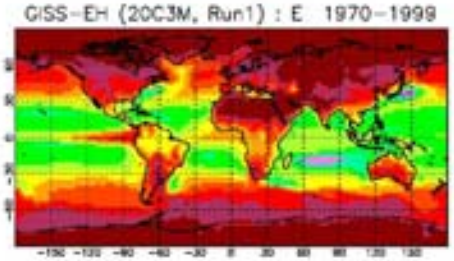

GISS-EH (Com, Run1) : Change in P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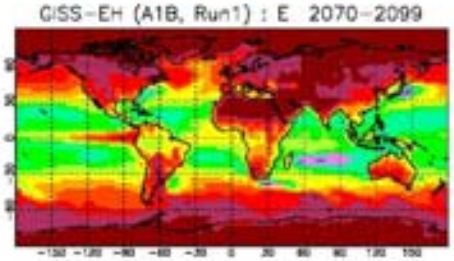
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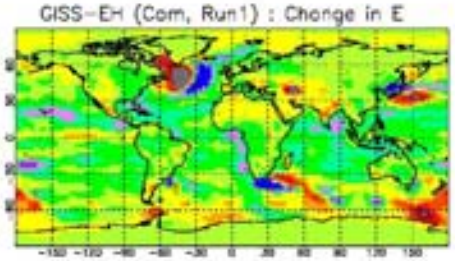
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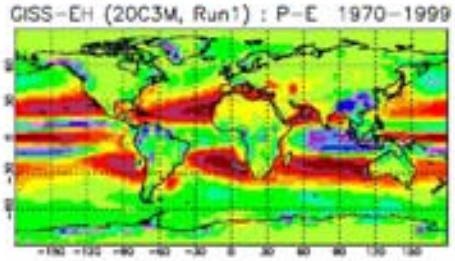
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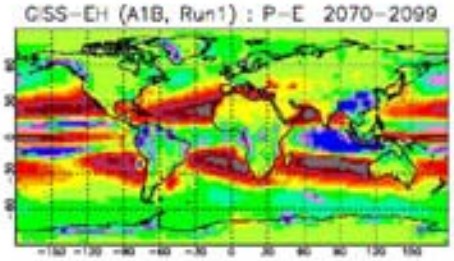
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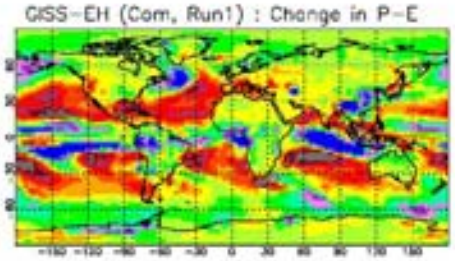
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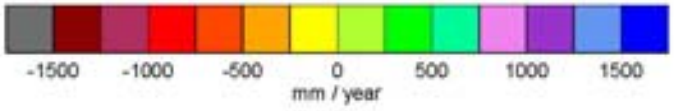
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500
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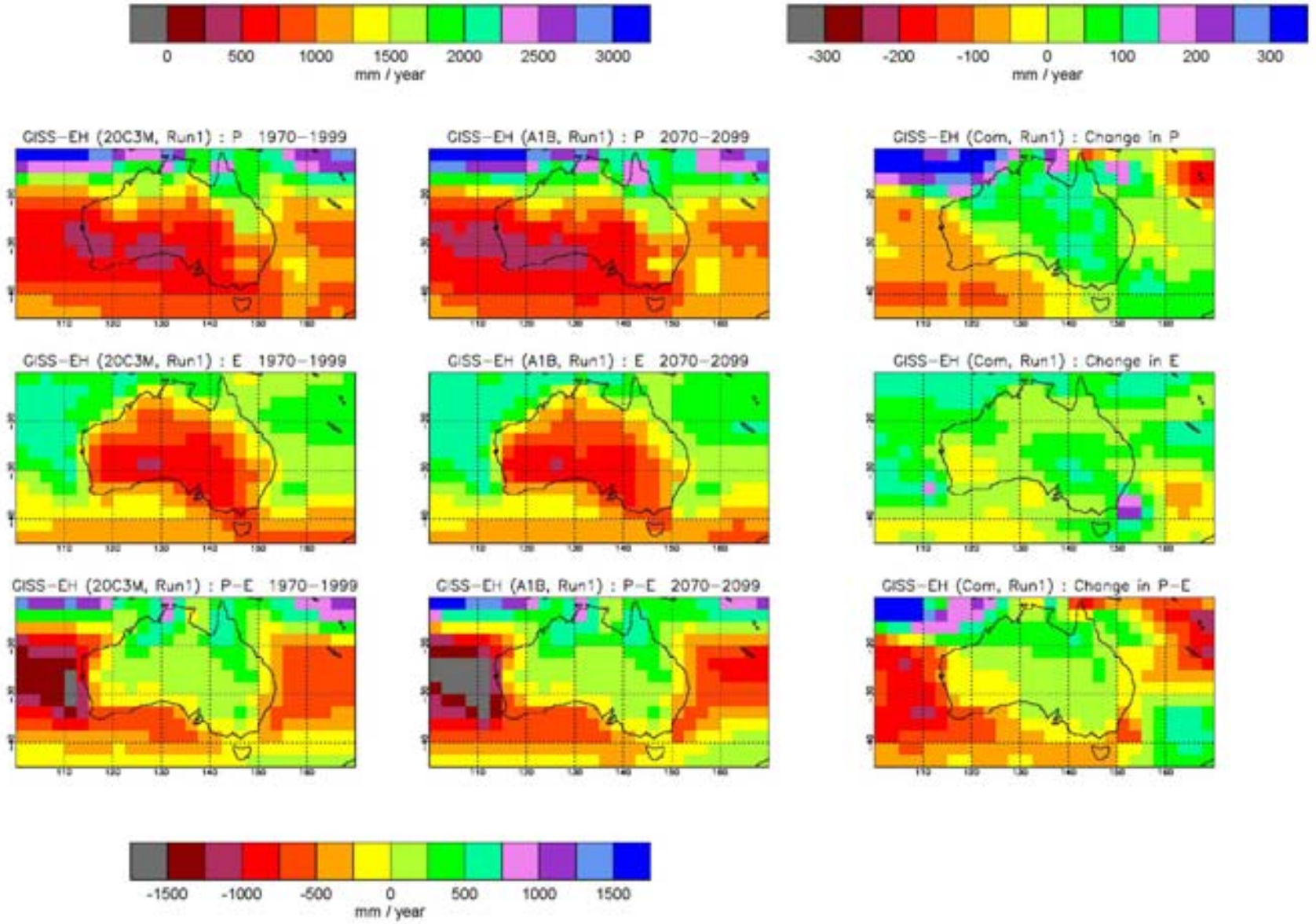
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
GISS-EH (20C3M, Run1) : P 1970-1999
GISS-EH (A1B, Run1) : P 2070-2099
GISS-EH (Com, Run1) : Change in P
GISS-EH (20C3M, Run1) : E 1970-1999
GISS-EH (A1B, Run1) : E 2070-2099
GISS-EH (Com, Run1) : Change in E
GISS-EH (20C3M, Run1) : P-E 1970-1999
GISS-EH (A1B, Run1) : P-E 2070-2099
GISS-EH (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

GISS-EH_Set1

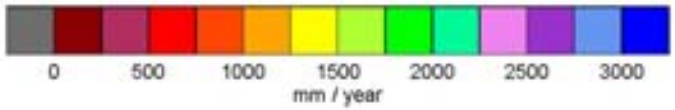
Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	813.4	594.8	218.5	1.45E+14	863.6	619.4	244.2	50.3	24.6	25.7
Australia	7.96E+12	1040.6	977.7	62.9	7.96E+12	1099.4	1023.1	76.2	58.7	45.4	13.3
New Zealand	1.52E+11	947.9	875.1	72.9	1.52E+11	986.2	837.5	148.7	38.3	-37.6	75.8
South America	1.78E+13	1442.1	1044.3	397.8	1.78E+13	1549.7	1084.4	465.3	107.7	40.2	67.5
North America	2.25E+13	745.4	540.3	205.2	2.25E+13	768.0	566.5	201.5	22.6	26.2	-3.7
Europe	6.83E+12	549.0	505.7	43.3	6.83E+12	528.7	517.9	10.9	-20.2	12.2	-32.4
Africa	2.88E+13	758.6	661.1	97.5	2.88E+13	819.5	692.1	127.4	61.0	31.0	29.9
Middle East	4.66E+12	72.9	242.6	-169.7	4.66E+12	44.8	212.8	-168.0	-28.0	-29.7	1.7
Asia	3.69E+13	630.4	361.1	269.3	3.69E+13	685.2	378.5	306.7	54.8	17.4	37.4
Southeast Asia	4.42E+12	2321.7	1534.8	786.8	4.42E+12	2422.8	1591.8	831.0	101.2	57.0	44.2
Antarctica	1.29E+13	382.5	110.5	272.0	1.29E+13	413.8	115.9	297.9	31.4	5.4	26.0

GISS-EH_Set1

	1970 - 1999 (20C3M, Run1) E' = 0.982351											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1096.1	1096.1	0	3.65E+14	1208.3	1294.9	-86.7	1.45E+14	813.4	594.8	218.5
-90° to -80°	3.86E+12	217.7	39.1	178.6	5.77E+10	455.4	118.3	337.1	3.80E+12	214.1	37.9	176.2
-80° to -70°	1.15E+13	483.8	173.0	310.7	4.02E+12	632.0	306.8	325.2	7.46E+12	403.8	100.9	302.9
-70° to -60°	1.88E+13	759.9	422.3	337.6	1.71E+13	767.5	431.6	336.0	1.66E+12	681.7	327.7	354.1
-60° to -50°	2.55E+13	965.7	593.6	372.1	2.52E+13	964.3	592.6	371.8	2.21E+11	1121.2	708.8	412.4
-50° to -40°	3.14E+13	1064.9	899.0	165.9	3.03E+13	1064.6	900.8	163.8	1.04E+12	1072.8	845.7	227.2
-40° to -30°	3.64E+13	919.5	1271.1	-351.6	3.21E+13	967.1	1347.1	-380.0	4.26E+12	560.7	698.3	-137.6
-30° to -20°	4.02E+13	878.9	1495.9	-617.0	3.10E+13	886.5	1696.6	-810.1	9.22E+12	853.4	821.4	32.0
-20° to -10°	4.29E+13	1719.2	1698.1	21.1	3.36E+13	1794.1	1855.9	-61.9	9.23E+12	1446.2	1122.7	323.6
-10° to 0°	4.42E+13	1771.3	1544.7	226.7	3.41E+13	1755.0	1604.5	150.5	1.01E+13	1826.4	1342.6	483.8
0° to 10°	4.42E+13	1726.8	1514.0	212.7	3.39E+13	1765.5	1632.8	132.7	1.03E+13	1599.6	1124.6	475.0
10° to 20°	4.29E+13	1340.5	1553.3	-212.8	3.19E+13	1551.1	1827.2	-276.2	1.10E+13	727.0	755.3	-28.3
20° to 30°	4.02E+13	844.6	1198.7	-354.1	2.53E+13	866.8	1630.5	-763.7	1.49E+13	806.8	464.5	342.3
30° to 40°	3.64E+13	881.4	990.1	-108.7	2.11E+13	1050.2	1330.7	-280.5	1.52E+13	647.3	517.7	129.6
40° to 50°	3.14E+13	820.7	668.4	152.2	1.59E+13	1106.9	894.1	212.8	1.55E+13	528.1	437.8	90.3
50° to 60°	2.55E+13	712.9	468.4	244.5	1.16E+13	967.2	656.8	310.4	1.39E+13	500.0	310.6	189.4
60° to 70°	1.88E+13	554.3	284.8	269.5	6.37E+12	664.3	408.7	255.6	1.24E+13	497.7	221.1	276.6
70° to 80°	1.15E+13	323.6	95.8	227.8	7.52E+12	300.6	82.5	218.1	3.96E+12	367.5	121.2	246.3
80° to 90°	3.86E+12	217.4	48.4	169.0	3.41E+12	217.2	45.3	171.9	4.43E+11	219.1	72.2	147.0

GISS-EH_Set1

	2070 - 2099 (A1B, Run1) E' = 0.979971												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1140.4	1140.4	0	3.65E+14	1250.1	1347.0	-96.8	1.45E+14	863.6	619.4	244.2	44.3	44.3	0.0	41.9	52.1	-10.2	50.3	24.6	25.7
-90° to -80°	3.86E+12	224.7	44.8	179.9	5.77E+10	420.2	126.0	294.1	3.80E+12	221.7	43.6	178.1	7.0	5.7	1.3	-35.3	7.7	-43.0	7.6	5.7	1.9
-80° to -70°	1.15E+13	523.0	173.1	349.8	4.02E+12	669.1	295.3	373.9	7.46E+12	444.1	107.3	336.9	39.2	0.1	39.1	37.1	-11.6	48.7	40.3	6.4	33.9
-70° to -60°	1.88E+13	830.7	407.3	423.4	1.71E+13	840.7	415.2	425.5	1.66E+12	728.4	327.0	401.4	70.8	-15.0	85.8	73.2	-16.4	89.6	46.7	-0.6	47.3
-60° to -50°	2.55E+13	1022.3	582.0	440.3	2.52E+13	1021.6	580.7	440.8	2.21E+11	1102.3	720.2	382.1	56.6	-11.6	68.2	57.2	-11.8	69.0	-18.9	11.4	-30.3
-50° to -40°	3.14E+13	1070.1	938.0	132.1	3.03E+13	1074.4	942.1	132.4	1.04E+12	944.3	819.7	124.6	5.3	39.0	-33.8	9.9	41.3	-31.4	-128.6	-26.0	-102.6
-40° to -30°	3.64E+13	901.3	1326.7	-425.4	3.21E+13	944.1	1403.4	-459.3	4.26E+12	579.0	749.1	-170.1	-18.2	55.6	-73.8	-23.1	56.3	-79.3	18.4	50.8	-32.4
-30° to -20°	4.02E+13	863.6	1571.1	-707.5	3.10E+13	849.8	1782.4	-932.6	9.22E+12	910.1	860.9	49.2	-15.3	75.2	-90.5	-36.7	85.8	-122.5	56.7	39.5	17.2
-20° to -10°	4.29E+13	1762.0	1768.5	-6.5	3.36E+13	1831.3	1934.5	-103.2	9.23E+12	1509.6	1163.9	345.7	42.8	70.5	-27.6	37.2	78.5	-41.3	63.3	41.2	22.2
-10° to 0°	4.42E+13	1974.4	1615.0	359.4	3.41E+13	1958.4	1676.2	282.2	1.01E+13	2028.2	1408.3	619.9	203.0	70.3	132.7	203.4	71.7	131.7	201.8	65.7	136.1
0° to 10°	4.42E+13	1868.2	1580.0	288.2	3.39E+13	1918.5	1702.8	215.7	1.03E+13	1703.3	1177.6	525.7	141.5	66.0	75.4	153.0	70.0	83.0	103.7	53.1	50.7
10° to 20°	4.29E+13	1350.2	1629.9	-279.7	3.19E+13	1564.6	1924.7	-360.0	1.10E+13	725.5	771.2	-45.7	9.7	76.6	-66.9	13.6	97.5	-83.9	-1.5	15.9	-17.4
20° to 30°	4.02E+13	823.3	1248.5	-425.2	2.53E+13	803.5	1709.4	-905.9	1.49E+13	857.1	464.9	392.2	-21.3	49.8	-71.1	-63.4	78.8	-142.2	50.3	0.5	49.9
30° to 40°	3.64E+13	873.5	1011.8	-138.3	2.11E+13	1018.1	1365.6	-347.5	1.52E+13	673.1	521.3	151.8	-7.9	21.8	-29.7	-32.2	34.9	-67.0	25.8	3.6	22.2
40° to 50°	3.14E+13	843.5	697.3	146.2	1.59E+13	1150.4	928.2	222.2	1.55E+13	529.8	461.3	68.4	22.8	28.9	-6.1	43.5	34.1	9.4	1.7	23.6	-21.9
50° to 60°	2.55E+13	756.7	477.3	279.4	1.16E+13	1027.6	640.7	386.9	1.39E+13	529.8	340.4	189.4	43.8	8.9	34.9	60.4	-16.1	76.5	29.8	29.8	0.0
60° to 70°	1.88E+13	625.0	307.6	317.3	6.37E+12	735.0	434.0	301.0	1.24E+13	568.4	242.6	325.7	70.7	22.8	47.9	70.7	25.3	45.4	70.7	21.5	49.1
70° to 80°	1.15E+13	387.9	107.0	280.9	7.52E+12	366.8	93.0	273.9	3.96E+12	428.1	133.8	294.3	64.3	11.2	53.1	66.3	10.5	55.8	60.6	12.6	48.0
80° to 90°	3.86E+12	261.1	48.4	212.7	3.41E+12	260.9	44.0	216.9	4.43E+11	262.8	82.8	180.0	43.7	0.0	43.7	43.7	-1.3	45.0	43.7	10.7	33.0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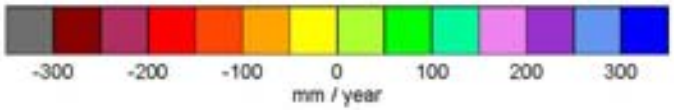
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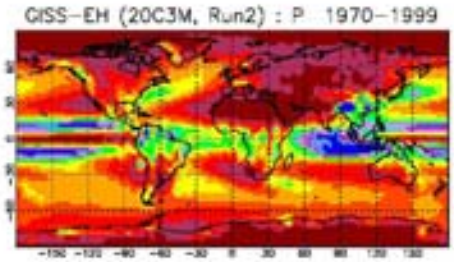
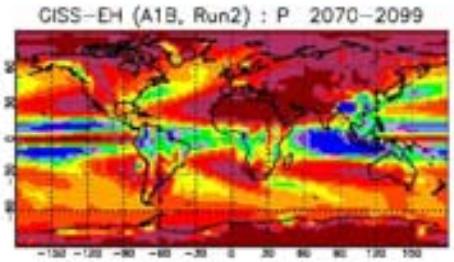
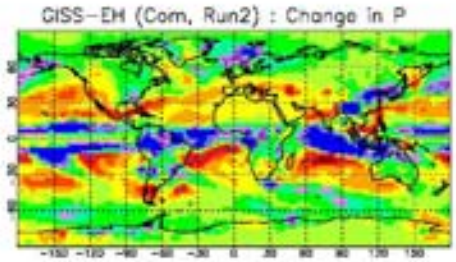
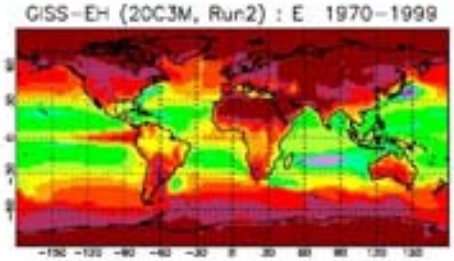
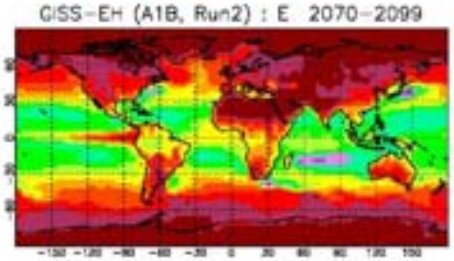

GISS-EH (20C3M, Run2) : P 1970-1999


GISS-EH (A1B, Run2) : P 2070-2099


GISS-EH (Com, Run2) : Change in P


GISS-EH (20C3M, Run2) : E 1970-1999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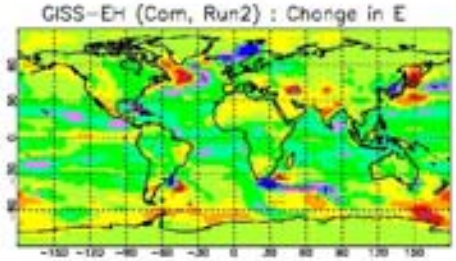
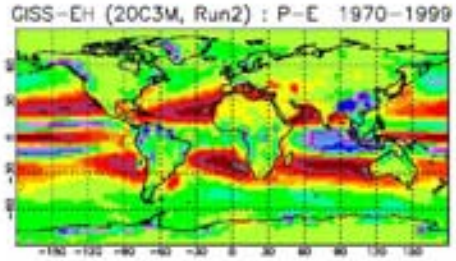

GISS-EH (Com, Run2) : Change in E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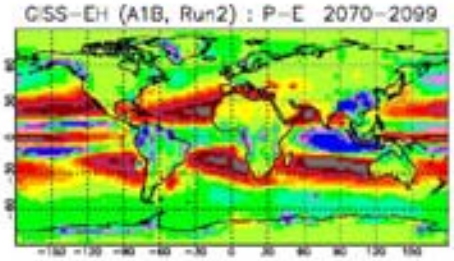
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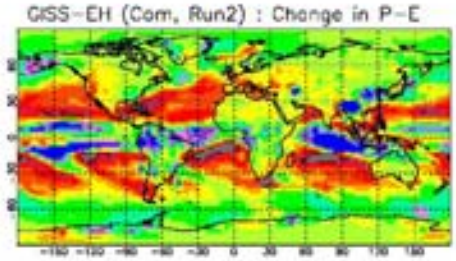
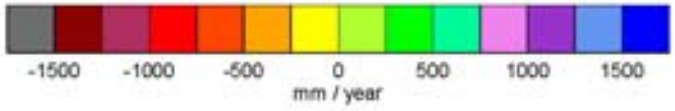

GISS-EH (Com, Run2) : Change in P-E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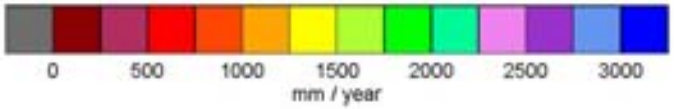
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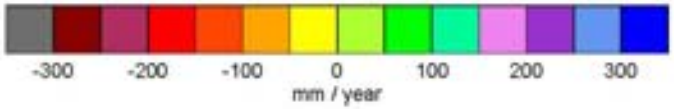
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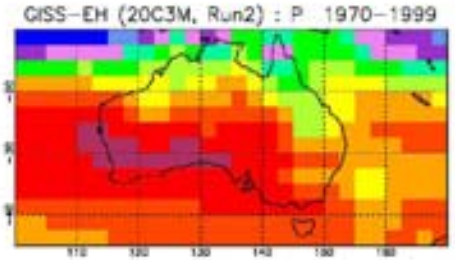
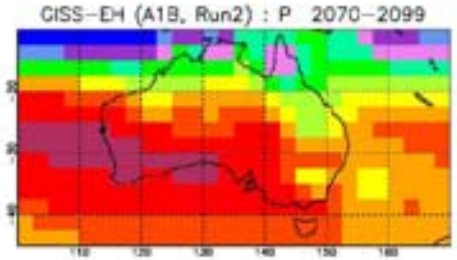
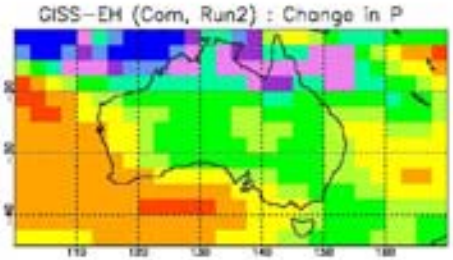
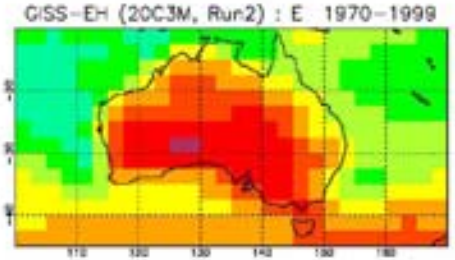
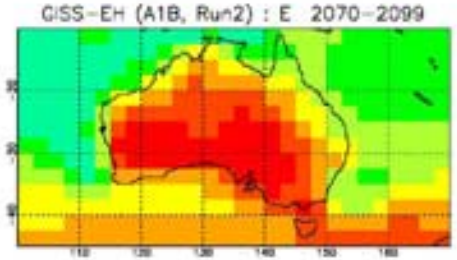
mm / year


GISS-EH (20C3M, Run2) : P 1970-1999


GISS-EH (A1B, Run2) : P 2070-2099


GISS-EH (Com, Run2) : Change in P


GISS-EH (20C3M, Run2) : E 1970-1999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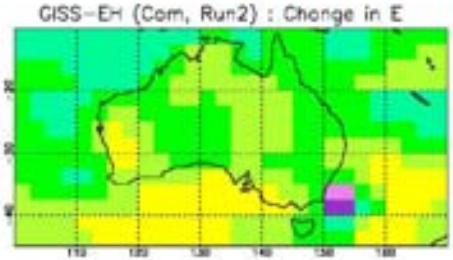
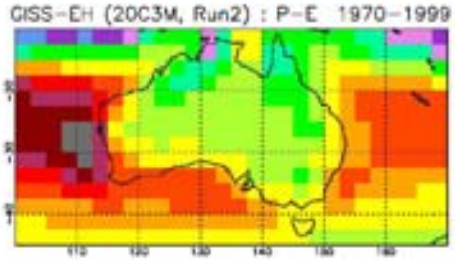
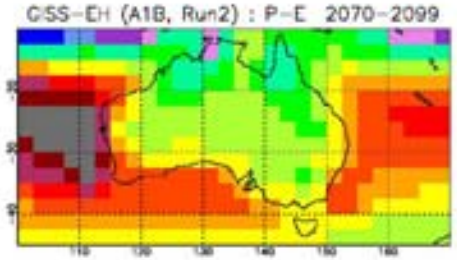
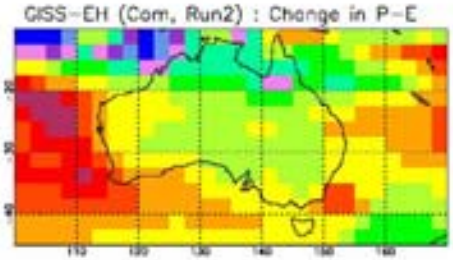
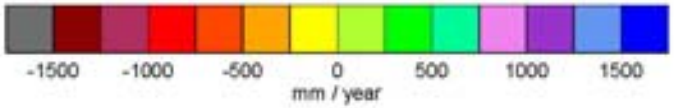

GISS-EH (Com, Run2) : Change in E


GISS-EH (20C3M, Run2) : P-E 1970-1999


GISS-EH (A1B, Run2) : P-E 2070-2099


GISS-EH (Com, Run2) : Change in P-E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GISS-EH_Set2

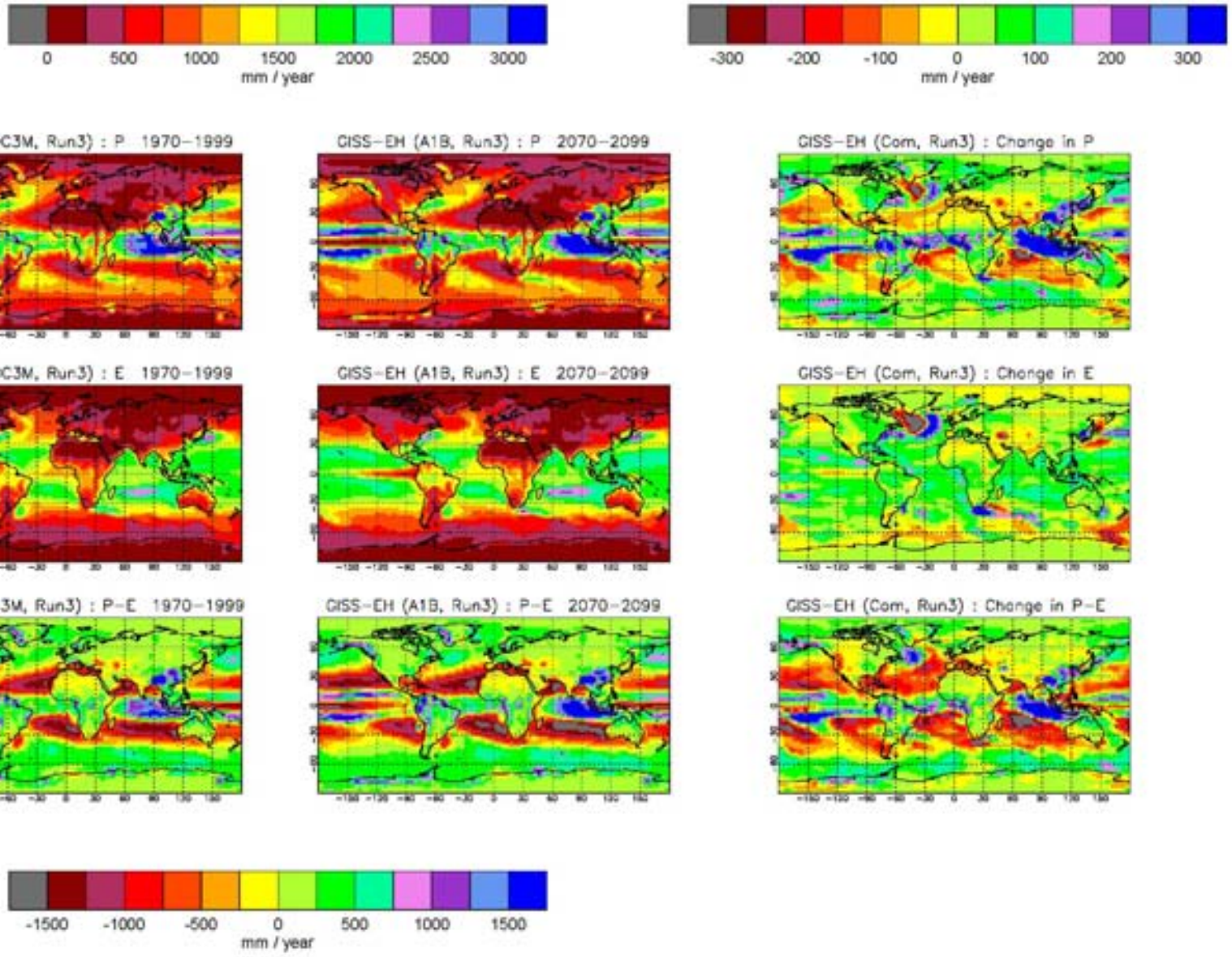
Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	805.9	591.0	215.0	1.45E+14	865.2	619.7	245.5	59.2	28.7	30.5
Australia	7.96E+12	1023.9	974.8	49.2	7.96E+12	1086.3	1020.4	65.9	62.4	45.6	16.8
New Zealand	1.52E+11	936.4	859.2	77.2	1.52E+11	962.3	843.7	118.6	26.0	-15.5	41.5
South America	1.78E+13	1433.6	1041.8	391.8	1.78E+13	1573.6	1091.8	481.8	140.0	50.0	90.0
North America	2.25E+13	739.7	536.0	203.7	2.25E+13	771.7	565.3	206.4	32.1	29.4	2.7
Europe	6.83E+12	540.9	492.6	48.3	6.83E+12	540.3	521.9	18.4	-0.6	29.3	-29.9
Africa	2.88E+13	762.1	660.3	101.9	2.88E+13	821.3	693.4	128.0	59.2	33.1	26.1
Middle East	4.66E+12	63.2	232.3	-169.1	4.66E+12	48.9	214.7	-165.8	-14.3	-17.6	3.3
Asia	3.69E+13	616.6	355.9	260.7	3.69E+13	678.2	376.4	301.9	61.7	20.5	41.2
Southeast Asia	4.42E+12	2297.2	1533.1	764.1	4.42E+12	2414.5	1588.3	826.2	117.3	55.2	62.1
Antarctica	1.29E+13	380.7	109.8	270.8	1.29E+13	411.7	114.9	296.7	31.0	5.1	25.9

GISS-EH_Set2

	1970 - 1999 (20C3M, Run2) E' = 0.982281											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1092.1	1092.1	0	3.65E+14	1205.6	1290.9	-85.2	1.45E+14	805.9	591.0	215.0
-90° to -80°	3.86E+12	217.8	38.7	179.1	5.77E+10	451.9	117.6	334.3	3.80E+12	214.3	37.5	176.8
-80° to -70°	1.15E+13	480.6	172.2	308.4	4.02E+12	627.1	306.3	320.8	7.46E+12	401.5	99.8	301.7
-70° to -60°	1.88E+13	757.6	422.2	335.4	1.71E+13	765.4	431.4	334.0	1.66E+12	677.6	328.1	349.5
-60° to -50°	2.55E+13	967.3	589.1	378.3	2.52E+13	965.9	588.0	377.9	2.21E+11	1131.0	703.8	427.2
-50° to -40°	3.14E+13	1068.0	898.3	169.7	3.03E+13	1067.7	900.2	167.5	1.04E+12	1078.4	842.8	235.6
-40° to -30°	3.64E+13	910.0	1264.4	-354.4	3.21E+13	956.8	1339.7	-382.9	4.26E+12	557.5	697.1	-139.6
-30° to -20°	4.02E+13	874.7	1499.5	-624.8	3.10E+13	881.7	1701.7	-820.0	9.22E+12	851.2	820.0	31.2
-20° to -10°	4.29E+13	1720.7	1691.6	29.1	3.36E+13	1798.2	1847.7	-49.5	9.23E+12	1438.0	1122.6	315.4
-10° to 0°	4.42E+13	1779.5	1541.4	238.1	3.41E+13	1765.9	1599.7	166.2	1.01E+13	1825.3	1344.6	480.8
0° to 10°	4.42E+13	1707.6	1512.8	194.8	3.39E+13	1744.8	1632.5	112.3	1.03E+13	1585.7	1120.5	465.2
10° to 20°	4.29E+13	1335.0	1554.0	-219.0	3.19E+13	1545.2	1830.7	-285.5	1.10E+13	722.9	748.2	-25.3
20° to 30°	4.02E+13	843.5	1197.2	-353.7	2.53E+13	867.2	1627.8	-760.6	1.49E+13	803.2	465.0	338.2
30° to 40°	3.64E+13	875.8	986.2	-110.4	2.11E+13	1052.2	1327.3	-275.1	1.52E+13	631.2	513.2	118.0
40° to 50°	3.14E+13	824.2	662.5	161.7	1.59E+13	1126.6	891.6	235.0	1.55E+13	515.1	428.4	86.7
50° to 60°	2.55E+13	704.4	447.9	256.5	1.16E+13	955.5	622.9	332.6	1.39E+13	494.2	301.4	192.8
60° to 70°	1.88E+13	537.6	267.4	270.2	6.37E+12	632.8	370.8	262.0	1.24E+13	488.6	214.2	274.4
70° to 80°	1.15E+13	304.6	87.8	216.8	7.52E+12	278.9	71.7	207.1	3.96E+12	353.5	118.2	235.3
80° to 90°	3.86E+12	208.2	45.2	163.0	3.41E+12	208.0	42.2	165.8	4.43E+11	209.5	68.6	140.9

GISS-EH_Set2

	2070 - 2099 (A1B, Run2) E' = 0.980008												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1141.0	1141.0	0	3.65E+14	1250.3	1347.7	-97.4	1.45E+14	865.2	619.7	245.5	48.8	48.8	0.0	44.7	56.8	-12.1	59.2	28.7	30.5
-90° to -80°	3.86E+12	225.1	43.8	181.2	5.77E+10	432.7	123.1	309.6	3.80E+12	221.9	42.6	179.3	7.2	5.1	2.1	-19.2	5.5	-24.8	7.6	5.1	2.5
-80° to -70°	1.15E+13	518.6	170.4	348.2	4.02E+12	662.0	289.2	372.8	7.46E+12	441.2	106.3	334.9	38.0	-1.8	39.8	34.9	-17.1	52.0	39.7	6.5	33.2
-70° to -60°	1.88E+13	823.1	404.9	418.2	1.71E+13	832.8	412.6	420.1	1.66E+12	724.0	325.8	398.2	65.5	-17.3	82.8	67.3	-18.8	86.1	46.4	-2.3	48.8
-60° to -50°	2.55E+13	1025.2	582.4	442.9	2.52E+13	1024.5	581.1	443.4	2.21E+11	1107.3	723.9	383.4	57.9	-6.7	64.6	58.6	-6.9	65.5	-23.7	20.1	-43.8
-50° to -40°	3.14E+13	1073.6	936.4	137.2	3.03E+13	1078.3	940.5	137.8	1.04E+12	936.0	817.6	118.4	5.6	38.1	-32.5	10.6	40.3	-29.6	-142.4	-25.2	-117.2
-40° to -30°	3.64E+13	895.3	1329.2	-433.9	3.21E+13	937.2	1406.9	-469.7	4.26E+12	579.6	743.4	-163.8	-14.7	64.8	-79.5	-19.6	67.2	-86.8	22.0	46.2	-24.2
-30° to -20°	4.02E+13	867.4	1569.7	-702.3	3.10E+13	855.5	1780.7	-925.2	9.22E+12	907.5	860.3	47.2	-7.3	70.2	-77.5	-26.2	79.0	-105.3	56.3	40.3	16.0
-20° to -10°	4.29E+13	1761.4	1772.7	-11.3	3.36E+13	1828.6	1937.7	-109.1	9.23E+12	1516.3	1171.4	344.9	40.7	81.1	-40.4	30.4	90.0	-59.6	78.3	48.8	29.5
-10° to 0°	4.42E+13	1975.8	1617.0	358.8	3.41E+13	1958.9	1677.3	281.6	1.01E+13	2033.1	1413.6	619.4	196.4	75.6	120.7	193.0	77.5	115.4	207.7	69.1	138.6
0° to 10°	4.42E+13	1876.7	1583.6	293.1	3.39E+13	1923.4	1706.6	216.9	1.03E+13	1723.5	1180.7	542.9	169.1	70.8	98.3	178.6	74.1	104.6	137.8	60.1	77.6
10° to 20°	4.29E+13	1350.1	1632.0	-282.0	3.19E+13	1562.0	1927.6	-365.6	1.10E+13	732.8	771.2	-38.4	15.1	78.0	-62.9	16.8	96.9	-80.0	9.9	23.0	-13.1
20° to 30°	4.02E+13	816.9	1246.2	-429.3	2.53E+13	796.9	1706.1	-909.2	1.49E+13	851.1	464.3	386.8	-26.5	49.0	-75.6	-70.3	78.3	-148.6	47.9	-0.8	48.6
30° to 40°	3.64E+13	878.8	1014.2	-135.4	2.11E+13	1033.4	1373.9	-340.4	1.52E+13	664.3	515.5	148.8	3.0	28.0	-25.0	-18.7	46.6	-65.3	33.1	2.3	30.8
40° to 50°	3.14E+13	851.0	694.8	156.2	1.59E+13	1157.8	926.6	231.2	1.55E+13	537.5	457.9	79.6	26.8	32.3	-5.4	31.2	35.0	-3.9	22.4	29.5	-7.1
50° to 60°	2.55E+13	753.6	473.3	280.3	1.16E+13	1017.5	629.1	388.4	1.39E+13	532.6	342.8	189.7	49.1	25.4	23.8	62.0	6.2	55.8	38.4	41.4	-3.1
60° to 70°	1.88E+13	618.7	304.5	314.3	6.37E+12	724.2	421.4	302.8	1.24E+13	564.5	244.4	320.2	81.2	37.1	44.1	91.4	50.6	40.8	75.9	30.2	45.8
70° to 80°	1.15E+13	385.7	115.6	270.1	7.52E+12	364.4	102.9	261.6	3.96E+12	426.1	139.7	286.4	81.1	27.8	53.3	85.5	31.1	54.4	72.7	21.5	51.2
80° to 90°	3.86E+12	262.0	49.9	212.1	3.41E+12	261.1	45.5	215.6	4.43E+11	268.8	83.8	185.1	53.8	4.7	49.1	53.1	3.4	49.7	59.3	15.1	44.2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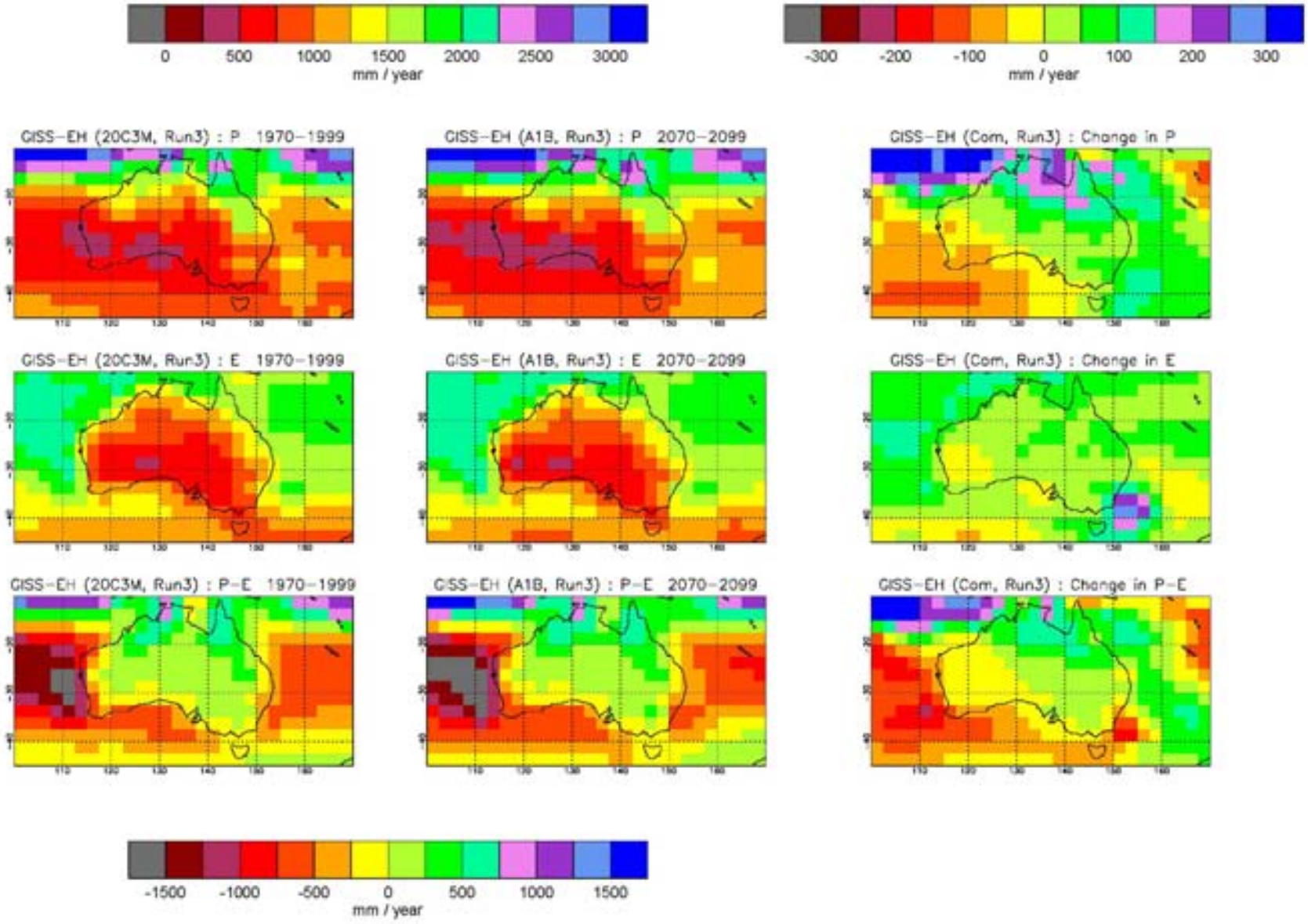
mm / year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GISS-EH (Com, Run3) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

GISS-EH_Set3

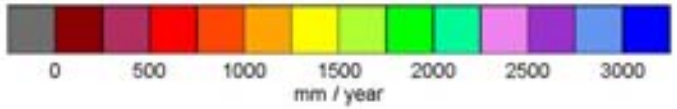
Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	811.3	594.2	217.1	1.45E+14	861.1	618.5	242.6	49.8	24.3	25.5
Australia	7.96E+12	1022.8	971.2	51.7	7.96E+12	1077.5	1006.6	70.9	54.7	35.5	19.2
New Zealand	1.52E+11	942.0	862.8	79.2	1.52E+11	980.4	844.6	135.9	38.5	-18.2	56.7
South America	1.78E+13	1435.5	1040.9	394.5	1.78E+13	1545.6	1083.6	462.0	110.1	42.7	67.5
North America	2.25E+13	746.1	541.1	205.0	2.25E+13	774.7	568.9	205.8	28.6	27.8	0.8
Europe	6.83E+12	550.0	504.2	45.8	6.83E+12	543.0	519.8	23.2	-7.0	15.6	-22.6
Africa	2.88E+13	761.0	662.6	98.3	2.88E+13	814.5	692.5	122.0	53.6	29.9	23.7
Middle East	4.66E+12	79.5	239.0	-159.6	4.66E+12	53.6	219.8	-166.3	-25.9	-19.2	-6.7
Asia	3.69E+13	627.9	360.8	267.0	3.69E+13	677.3	376.6	300.7	49.4	15.8	33.7
Southeast Asia	4.42E+12	2313.4	1533.8	779.7	4.42E+12	2439.8	1590.4	849.4	126.4	56.7	69.7
Antarctica	1.29E+13	381.2	110.7	270.5	1.29E+13	409.7	116.0	293.7	28.5	5.3	23.2

GISS-EH_Set3

	1970 - 1999 (20C3M, Run3) E' = 0.982323											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1095.2	1095.2	0	3.65E+14	1207.8	1293.9	-86.1	1.45E+14	811.3	594.2	217.1
-90° to -80°	3.86E+12	221.7	38.7	183.0	5.77E+10	464.2	117.3	346.9	3.80E+12	218.0	37.5	180.5
-80° to -70°	1.15E+13	478.9	173.9	305.0	4.02E+12	623.5	308.8	314.7	7.46E+12	400.8	101.1	299.7
-70° to -60°	1.88E+13	751.4	420.8	330.7	1.71E+13	758.8	429.7	329.1	1.66E+12	676.1	329.3	346.8
-60° to -50°	2.55E+13	962.0	589.0	373.0	2.52E+13	960.5	588.0	372.5	2.21E+11	1133.6	697.4	436.1
-50° to -40°	3.14E+13	1071.3	892.2	179.1	3.03E+13	1071.2	893.9	177.3	1.04E+12	1076.1	843.5	232.5
-40° to -30°	3.64E+13	915.0	1265.4	-350.4	3.21E+13	963.7	1342.0	-378.4	4.26E+12	548.1	687.8	-139.7
-30° to -20°	4.02E+13	874.7	1494.7	-620.0	3.10E+13	885.3	1696.7	-811.4	9.22E+12	839.0	815.5	23.5
-20° to -10°	4.29E+13	1715.4	1695.7	19.7	3.36E+13	1795.4	1854.2	-58.9	9.23E+12	1424.1	1118.2	305.9
-10° to 0°	4.42E+13	1773.8	1544.4	229.3	3.41E+13	1758.5	1604.8	153.7	1.01E+13	1825.3	1340.5	484.8
0° to 10°	4.42E+13	1725.2	1513.8	211.5	3.39E+13	1761.7	1631.9	129.8	1.03E+13	1605.5	1126.5	479.1
10° to 20°	4.29E+13	1348.7	1558.4	-209.7	3.19E+13	1558.7	1831.7	-273.0	1.10E+13	736.9	762.2	-25.3
20° to 30°	4.02E+13	840.5	1204.7	-364.2	2.53E+13	860.6	1639.1	-778.5	1.49E+13	806.4	466.0	340.4
30° to 40°	3.64E+13	875.7	990.0	-114.2	2.11E+13	1043.0	1332.0	-288.9	1.52E+13	643.8	515.8	127.9
40° to 50°	3.14E+13	816.4	663.6	152.8	1.59E+13	1106.0	887.8	218.2	1.55E+13	520.5	434.6	86.0
50° to 60°	2.55E+13	724.4	469.3	255.0	1.16E+13	984.2	656.3	327.9	1.39E+13	506.8	312.8	194.0
60° to 70°	1.88E+13	558.5	283.8	274.6	6.37E+12	666.0	404.9	261.0	1.24E+13	503.2	221.6	281.6
70° to 80°	1.15E+13	313.5	92.2	221.3	7.52E+12	290.1	77.5	212.6	3.96E+12	357.9	120.2	237.7
80° to 90°	3.86E+12	210.5	45.6	164.9	3.41E+12	210.2	42.3	168.0	4.43E+11	212.3	70.9	141.4

GISS-EH_Set3

	2070 - 2099 (A1B, Run3) E' = 0.979972												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1138.4	1138.4	0	3.65E+14	1248.4	1344.6	-96.2	1.45E+14	861.1	618.5	242.6	43.2	43.2	0.0	40.6	50.8	-10.1	49.8	24.3	25.5
-90° to -80°	3.86E+12	228.0	44.4	183.6	5.77E+10	429.9	124.2	305.7	3.80E+12	224.9	43.2	181.7	6.2	5.7	0.5	-34.2	6.9	-41.1	6.9	5.7	1.2
-80° to -70°	1.15E+13	515.2	172.9	342.3	4.02E+12	660.5	294.2	366.3	7.46E+12	436.8	107.5	329.3	36.3	-0.9	37.3	37.0	-14.6	51.6	36.0	6.4	29.6
-70° to -60°	1.88E+13	820.1	404.8	415.3	1.71E+13	829.7	412.3	417.4	1.66E+12	721.4	327.2	394.2	68.7	-16.0	84.7	70.9	-17.3	88.3	45.3	-2.1	47.4
-60° to -50°	2.55E+13	1016.6	578.2	438.3	2.52E+13	1015.8	577.0	438.8	2.21E+11	1103.5	721.4	382.1	54.6	-10.7	65.3	55.3	-11.0	66.4	-30.1	23.9	-54.0
-50° to -40°	3.14E+13	1080.9	938.6	142.3	3.03E+13	1084.8	942.5	142.3	1.04E+12	966.8	825.2	141.6	9.6	46.4	-36.8	13.7	48.6	-35.0	-109.2	-18.3	-90.9
-40° to -30°	3.64E+13	900.4	1324.4	-424.0	3.21E+13	944.6	1402.5	-457.8	4.26E+12	567.1	735.8	-168.7	-14.6	59.0	-73.5	-19.0	60.4	-79.4	19.1	48.0	-29.0
-30° to -20°	4.02E+13	862.4	1562.9	-700.4	3.10E+13	852.5	1774.6	-922.0	9.22E+12	895.8	851.2	44.6	-12.2	68.2	-80.5	-32.8	77.9	-110.7	56.7	35.7	21.1
-20° to -10°	4.29E+13	1767.8	1762.5	5.4	3.36E+13	1841.5	1927.7	-86.2	9.23E+12	1499.5	1160.4	339.1	52.4	66.7	-14.3	46.1	73.4	-27.3	75.4	42.2	33.2
-10° to 0°	4.42E+13	1938.9	1612.7	326.1	3.41E+13	1920.5	1675.3	245.2	1.01E+13	2001.0	1401.6	599.5	165.1	68.3	96.8	162.0	70.4	91.5	175.7	61.1	114.6
0° to 10°	4.42E+13	1860.8	1576.7	284.1	3.39E+13	1906.6	1699.8	206.9	1.03E+13	1710.6	1173.3	537.3	135.6	63.0	72.6	144.9	67.9	77.0	105.1	46.8	58.3
10° to 20°	4.29E+13	1369.6	1628.0	-258.4	3.19E+13	1580.6	1917.2	-336.6	1.10E+13	755.1	785.8	-30.7	20.9	69.7	-48.7	21.9	85.5	-63.6	18.2	23.6	-5.4
20° to 30°	4.02E+13	821.4	1243.1	-421.7	2.53E+13	804.3	1699.1	-894.7	1.49E+13	850.5	467.8	382.7	-19.1	38.4	-57.5	-56.3	60.0	-116.2	44.0	1.8	42.3
30° to 40°	3.64E+13	877.8	1028.5	-150.7	2.11E+13	1033.5	1396.4	-363.0	1.52E+13	662.0	518.5	143.5	2.1	38.6	-36.5	-9.6	64.5	-74.1	18.2	2.6	15.6
40° to 50°	3.14E+13	848.4	697.4	151.0	1.59E+13	1154.4	929.7	224.7	1.55E+13	535.7	460.0	75.7	32.0	33.8	-1.8	48.4	41.9	6.5	15.2	25.5	-10.3
50° to 60°	2.55E+13	756.7	473.7	282.9	1.16E+13	1021.2	629.9	391.3	1.39E+13	535.2	343.0	192.2	32.3	4.4	27.9	37.0	-26.4	63.4	28.4	30.2	-1.8
60° to 70°	1.88E+13	617.2	299.7	317.5	6.37E+12	722.2	416.1	306.1	1.24E+13	563.2	239.8	323.3	58.7	15.8	42.9	56.3	11.2	45.1	60.0	18.2	41.7
70° to 80°	1.15E+13	379.4	106.0	273.4	7.52E+12	356.1	90.2	265.9	3.96E+12	423.5	135.9	287.6	65.9	13.8	52.1	66.0	12.7	53.3	65.6	15.7	49.8
80° to 90°	3.86E+12	257.7	46.5	211.2	3.41E+12	256.6	41.9	214.7	4.43E+11	266.5	82.6	183.9	47.3	1.0	46.3	46.4	-0.4	46.8	54.3	11.7	42.6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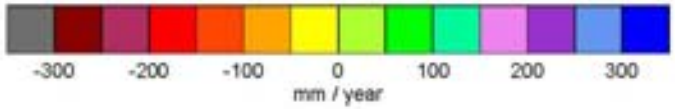
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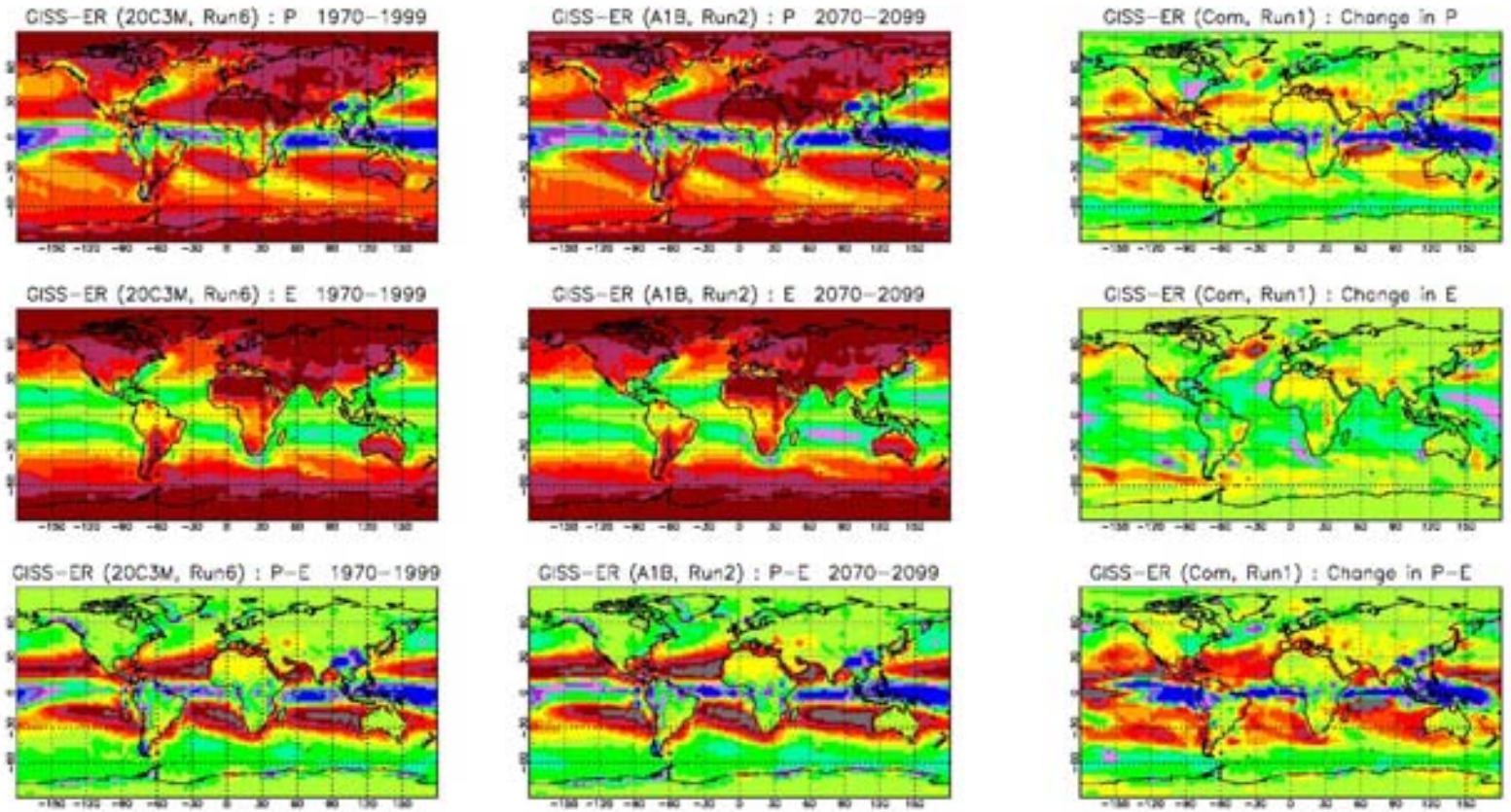
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GISS-ER (A1B, Run2) : E 2070-2099
GISS-ER (Com, Run1) : Change in E
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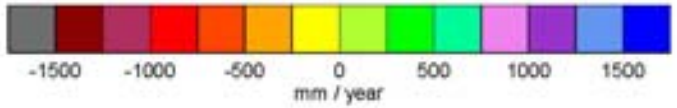
GISS-ER (Com, Run1) : Change in P-E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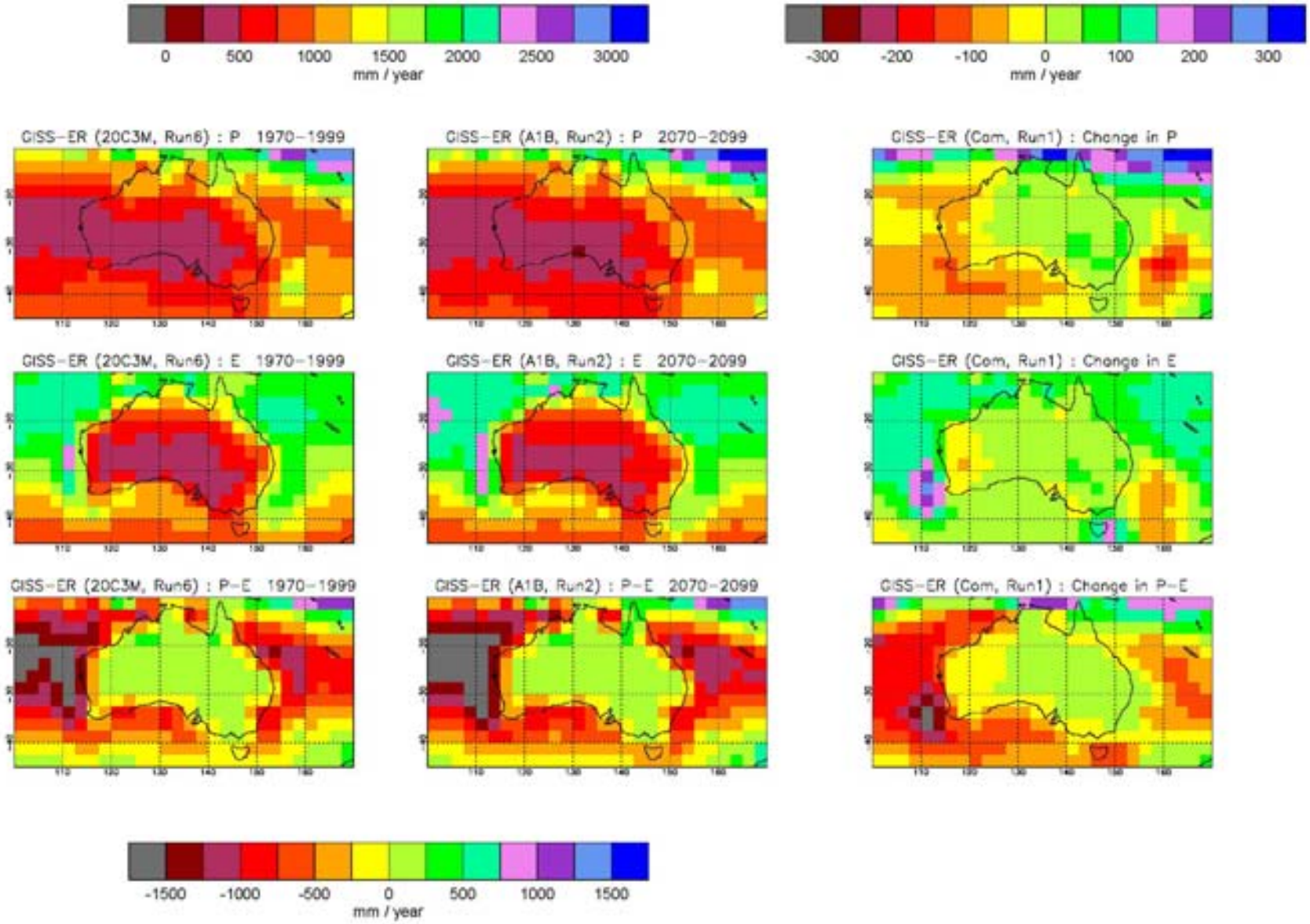
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GISS-ER (Com, Run1) : Change in P-E
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mm / year

GISS-ER_Set1

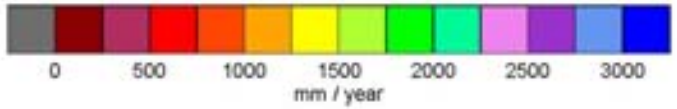
Region	1970 - 1999 (20C3M, Run6)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	817.6	569.5	248.1	1.45E+14	864.4	591.4	273.0	46.8	21.8	24.9
Australia	7.96E+12	695.0	776.8	-81.8	7.96E+12	706.5	797.9	-91.3	11.5	21.1	-9.5
New Zealand	1.52E+11	1635.7	917.2	718.5	1.52E+11	1736.4	955.6	780.8	100.7	38.4	62.3
South America	1.78E+13	1455.8	1048.0	407.8	1.78E+13	1542.5	1096.9	445.5	86.6	48.9	37.7
North America	2.25E+13	740.5	507.5	233.0	2.25E+13	769.2	529.8	239.4	28.7	22.3	6.5
Europe	6.83E+12	608.2	497.1	111.1	6.83E+12	610.0	520.7	89.3	1.8	23.7	-21.8
Africa	2.88E+13	815.6	672.5	143.1	2.88E+13	857.2	693.6	163.6	41.6	21.0	20.5
Middle East	4.66E+12	133.6	295.9	-162.4	4.66E+12	91.9	267.3	-175.4	-41.6	-28.6	-13.0
Asia	3.69E+13	605.1	336.3	268.8	3.69E+13	653.2	354.4	298.9	48.1	18.1	30.1
Southeast Asia	4.42E+12	2602.7	1455.7	1147.1	4.42E+12	2830.5	1488.1	1342.4	227.8	32.4	195.4
Antarctica	1.29E+13	333.7	65.5	268.2	1.29E+13	362.8	73.5	289.3	29.1	8.0	21.1

GISS-ER_Set1

	1970 - 1999 (20C3M, Run6) E' = 0.982982											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1080.6	1080.6	0	3.65E+14	1184.9	1283.3	-98.4	1.45E+14	817.6	569.5	248.1
-90° to -80°	3.86E+12	118.8	25.9	92.9	5.77E+10	219.2	61.3	157.9	3.80E+12	117.3	25.3	92.0
-80° to -70°	1.15E+13	392.0	99.2	292.8	4.02E+12	476.9	178.7	298.2	7.46E+12	346.3	56.4	289.9
-70° to -60°	1.88E+13	675.9	292.8	383.1	1.71E+13	665.6	301.4	364.1	1.66E+12	782.3	204.1	578.2
-60° to -50°	2.55E+13	909.7	539.6	370.1	2.52E+13	905.8	538.2	367.6	2.21E+11	1357.7	703.5	654.3
-50° to -40°	3.14E+13	1041.1	826.9	214.2	3.03E+13	1033.6	832.8	200.8	1.04E+12	1258.5	652.6	605.9
-40° to -30°	3.64E+13	874.1	1184.6	-310.5	3.21E+13	922.3	1251.9	-329.5	4.26E+12	510.2	677.2	-167.1
-30° to -20°	4.02E+13	726.6	1452.7	-726.1	3.10E+13	735.2	1674.4	-939.2	9.22E+12	697.6	707.3	-9.7
-20° to -10°	4.29E+13	1232.9	1761.6	-528.7	3.36E+13	1204.3	1949.6	-745.4	9.23E+12	1337.5	1076.4	261.1
-10° to 0°	4.42E+13	2303.3	1587.7	715.6	3.41E+13	2391.4	1670.0	721.4	1.01E+13	2005.7	1309.7	696.0
0° to 10°	4.42E+13	2201.1	1541.7	659.4	3.39E+13	2330.3	1666.3	664.0	1.03E+13	1777.7	1133.5	644.2
10° to 20°	4.29E+13	1000.3	1611.5	-611.2	3.19E+13	1091.8	1904.7	-812.9	1.10E+13	733.7	757.4	-23.7
20° to 30°	4.02E+13	772.6	1182.0	-409.4	2.53E+13	764.9	1606.1	-841.2	1.49E+13	785.7	460.8	324.9
30° to 40°	3.64E+13	895.6	926.2	-30.6	2.11E+13	1035.4	1219.8	-184.4	1.52E+13	701.9	519.1	182.7
40° to 50°	3.14E+13	818.3	654.0	164.3	1.59E+13	1110.4	889.7	220.7	1.55E+13	519.8	413.2	106.7
50° to 60°	2.55E+13	678.2	450.4	227.8	1.16E+13	906.1	644.8	261.3	1.39E+13	487.3	287.5	199.7
60° to 70°	1.88E+13	536.6	265.1	271.5	6.37E+12	645.5	393.4	252.0	1.24E+13	480.6	199.2	281.5
70° to 80°	1.15E+13	300.6	85.4	215.1	7.52E+12	275.1	76.6	198.6	3.96E+12	348.9	102.3	246.6
80° to 90°	3.86E+12	200.5	48.7	151.7	3.41E+12	197.6	47.0	150.6	4.43E+11	222.6	62.3	160.3

GISS-ER_Set1

	2070 - 2099 (A1B, Run2) E' = 0.980431												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1125.2	1125.2	0	3.65E+14	1228.6	1336.8	-108.3	1.45E+14	864.4	591.4	273.0	44.5	44.5	0.0	43.6	53.5	-9.9	46.8	21.8	24.9
-90° to -80°	3.86E+12	128.4	31.2	97.2	5.77E+10	222.6	73.3	149.4	3.80E+12	127.0	30.5	96.4	9.6	5.3	4.3	3.5	12.0	-8.5	9.7	5.2	4.5
-80° to -70°	1.15E+13	431.8	109.7	322.1	4.02E+12	527.2	193.6	333.6	7.46E+12	380.3	64.4	315.9	39.7	10.4	29.3	50.3	14.9	35.4	34.1	8.0	26.1
-70° to -60°	1.88E+13	755.7	301.9	453.8	1.71E+13	748.0	310.0	438.0	1.66E+12	834.7	218.5	616.1	79.8	9.1	70.7	82.5	8.6	73.9	52.3	14.4	37.9
-60° to -50°	2.55E+13	973.6	525.7	447.9	2.52E+13	970.0	524.0	446.0	2.21E+11	1387.8	715.6	672.3	63.9	-13.9	77.8	64.2	-14.1	78.3	30.1	12.1	18.0
-50° to -40°	3.14E+13	1028.0	847.0	181.0	3.03E+13	1022.4	852.3	170.1	1.04E+12	1191.8	690.9	500.9	-13.1	20.1	-33.2	-11.2	19.5	-30.7	-66.7	38.3	-105.0
-40° to -30°	3.64E+13	843.5	1242.2	-398.7	3.21E+13	888.2	1314.1	-425.9	4.26E+12	506.9	700.2	-193.3	-30.5	57.7	-88.2	-34.2	62.3	-96.4	-3.3	22.9	-26.2
-30° to -20°	4.02E+13	733.1	1528.7	-795.6	3.10E+13	736.5	1766.1	-1029.6	9.22E+12	721.4	730.5	-9.1	6.5	76.0	-69.5	1.3	91.7	-90.3	23.8	23.2	0.6
-20° to -10°	4.29E+13	1254.6	1839.5	-584.9	3.36E+13	1225.8	2040.5	-814.7	9.23E+12	1359.5	1107.1	252.4	21.7	78.0	-56.3	21.6	90.9	-69.3	22.0	30.7	-8.7
-10° to 0°	4.42E+13	2522.0	1660.6	861.4	3.41E+13	2604.7	1744.3	860.4	1.01E+13	2242.8	1377.9	864.9	218.7	72.9	145.8	213.3	74.3	138.9	237.0	68.1	168.9
0° to 10°	4.42E+13	2396.6	1613.3	783.3	3.39E+13	2549.0	1745.5	803.5	1.03E+13	1896.9	1180.0	716.9	195.5	71.6	123.9	218.7	79.2	139.5	119.3	46.5	72.7
10° to 20°	4.29E+13	957.1	1694.0	-736.9	3.19E+13	1036.1	2011.2	-975.1	1.10E+13	726.9	770.1	-43.2	-43.2	82.5	-125.7	-55.7	106.5	-162.2	-6.7	12.8	-19.5
20° to 30°	4.02E+13	761.7	1229.1	-467.4	2.53E+13	729.4	1683.6	-954.3	1.49E+13	816.7	456.0	360.6	-10.9	47.1	-58.0	-35.5	77.6	-113.1	30.9	-4.7	35.7
30° to 40°	3.64E+13	881.7	937.0	-55.3	2.11E+13	1008.4	1241.1	-232.7	1.52E+13	706.2	515.5	190.7	-13.9	10.8	-24.7	-27.0	21.2	-48.3	4.3	-3.7	8.0
40° to 50°	3.14E+13	855.7	680.7	175.0	1.59E+13	1159.9	919.9	240.0	1.55E+13	544.7	436.2	108.6	37.3	26.6	10.7	49.5	30.2	19.3	24.9	23.0	1.9
50° to 60°	2.55E+13	717.4	452.2	265.2	1.16E+13	936.8	599.4	337.4	1.39E+13	533.7	328.9	204.8	39.2	1.8	37.4	30.7	-45.4	76.0	46.4	41.3	5.1
60° to 70°	1.88E+13	590.9	283.1	307.9	6.37E+12	692.1	404.3	287.8	1.24E+13	538.9	220.8	318.2	54.3	18.0	36.4	46.6	10.9	35.7	58.3	21.6	36.7
70° to 80°	1.15E+13	345.0	97.4	247.6	7.52E+12	319.1	90.6	228.5	3.96E+12	394.1	110.2	283.9	44.4	11.9	32.5	43.9	14.1	29.9	45.3	7.9	37.4
80° to 90°	3.86E+12	245.6	54.6	191.0	3.41E+12	240.0	51.6	188.5	4.43E+11	288.4	77.7	210.7	45.1	5.8	39.3	42.4	4.6	37.9	65.8	15.4	50.4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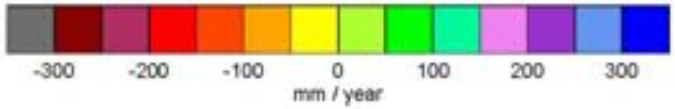
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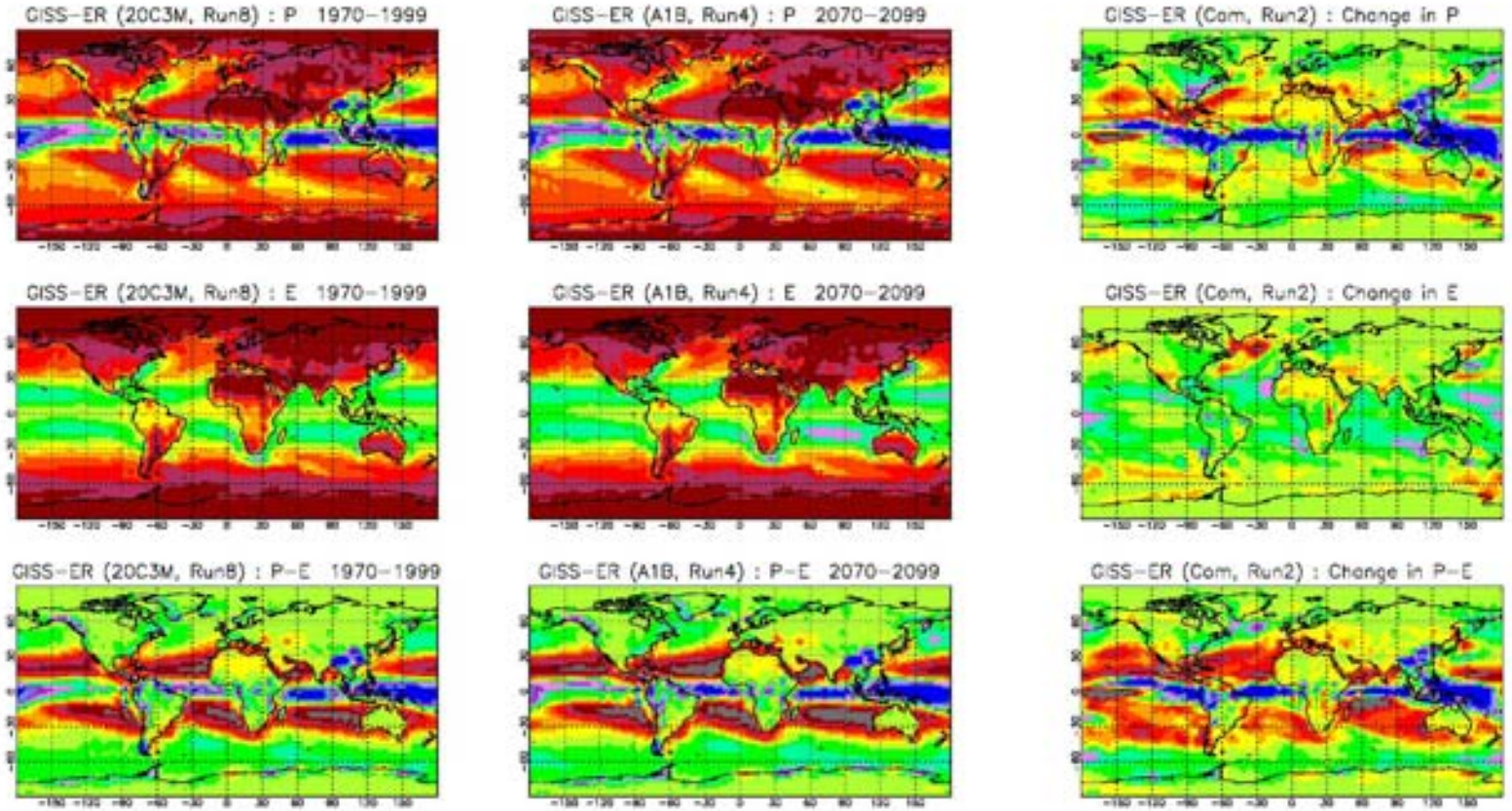
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GISS-ER (A1B, Run4) : E 2070-2099
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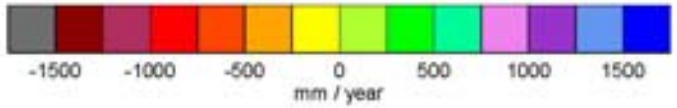
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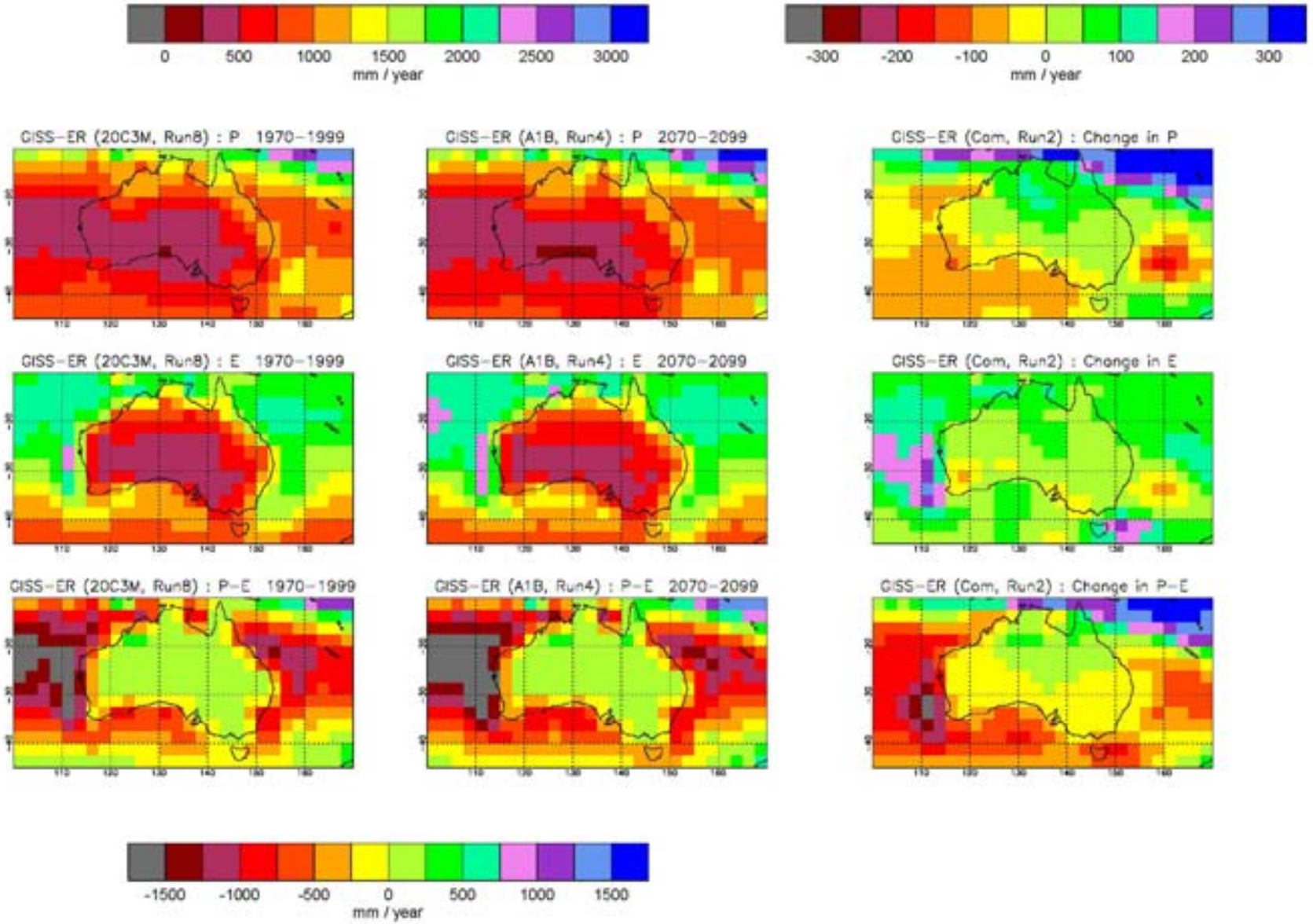
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GISS-ER (Com, Run2) : Change in P
GISS-ER (20C3M, Run8) : E 1970-1999
GISS-ER (A1B, Run4) : E 2070-2099
GISS-ER (Com, Run2) : Change in E
GISS-ER (20C3M, Run8) : P-E 1970-1999
GISS-ER (A1B, Run4) : P-E 2070-2099
GISS-ER (Com, Run2) : Change in P-E
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mm / year

GISS-ER_Set2

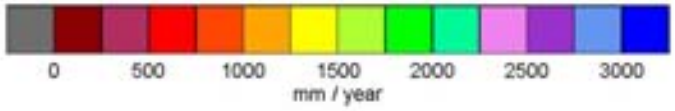
Region	1970 - 1999 (20C3M, Run8)				2070 - 2099 (A1B, Run4)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	818.2	570.8	247.4	1.45E+14	862.6	590.2	272.4	44.4	19.4	25.0
Australia	7.96E+12	674.2	762.2	-88.0	7.96E+12	702.6	795.2	-92.6	28.3	32.9	-4.6
New Zealand	1.52E+11	1601.8	904.3	697.5	1.52E+11	1697.8	956.6	741.2	96.1	52.3	43.7
South America	1.78E+13	1431.0	1040.4	390.5	1.78E+13	1548.2	1095.9	452.3	117.2	55.4	61.8
North America	2.25E+13	742.6	507.1	235.5	2.25E+13	775.3	528.4	246.9	32.7	21.3	11.4
Europe	6.83E+12	626.2	504.5	121.7	6.83E+12	614.6	523.1	91.5	-11.6	18.6	-30.1
Africa	2.88E+13	836.8	685.7	151.1	2.88E+13	843.2	690.8	152.4	6.4	5.1	1.3
Middle East	4.66E+12	127.2	292.1	-164.8	4.66E+12	91.5	267.6	-176.1	-35.8	-24.5	-11.3
Asia	3.69E+13	604.3	336.5	267.8	3.69E+13	653.5	352.9	300.6	49.2	16.4	32.7
Southeast Asia	4.42E+12	2598.7	1455.5	1143.2	4.42E+12	2816.8	1492.2	1324.5	218.1	36.7	181.4
Antarctica	1.29E+13	335.6	67.0	268.6	1.29E+13	362.4	73.5	288.9	26.8	6.5	20.3

GISS-ER_Set2

	1970 - 1999 (20C3M, Run8) E' = 0.982976											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1080.9	1080.9	0	3.65E+14	1185.1	1283.2	-98.1	1.45E+14	818.2	570.8	247.4
-90° to -80°	3.86E+12	121.6	25.9	95.7	5.77E+10	234.3	62.6	171.7	3.80E+12	119.9	25.3	94.6
-80° to -70°	1.15E+13	397.4	107.0	290.4	4.02E+12	488.5	197.1	291.3	7.46E+12	348.3	58.4	289.9
-70° to -60°	1.88E+13	674.8	295.2	379.6	1.71E+13	664.3	303.6	360.7	1.66E+12	782.2	208.5	573.7
-60° to -50°	2.55E+13	904.7	531.5	373.2	2.52E+13	900.7	530.1	370.6	2.21E+11	1361.4	691.9	669.5
-50° to -40°	3.14E+13	1038.2	821.1	217.1	3.03E+13	1030.8	827.0	203.8	1.04E+12	1255.4	648.8	606.6
-40° to -30°	3.64E+13	879.9	1181.2	-301.2	3.21E+13	928.8	1248.4	-319.6	4.26E+12	511.5	674.4	-162.9
-30° to -20°	4.02E+13	720.8	1451.1	-730.3	3.10E+13	729.6	1675.4	-945.9	9.22E+12	691.5	696.9	-5.5
-20° to -10°	4.29E+13	1219.8	1762.2	-542.4	3.36E+13	1195.6	1952.5	-756.9	9.23E+12	1307.8	1068.4	239.4
-10° to 0°	4.42E+13	2302.0	1590.7	711.3	3.41E+13	2391.8	1674.1	717.6	1.01E+13	1999.0	1309.0	690.0
0° to 10°	4.42E+13	2211.6	1545.7	665.9	3.39E+13	2339.4	1668.4	671.0	1.03E+13	1792.6	1143.4	649.3
10° to 20°	4.29E+13	1010.3	1614.2	-603.9	3.19E+13	1099.2	1902.6	-803.4	1.10E+13	751.4	774.0	-22.7
20° to 30°	4.02E+13	769.8	1185.6	-415.9	2.53E+13	761.7	1611.1	-849.4	1.49E+13	783.5	462.1	321.4
30° to 40°	3.64E+13	905.4	928.1	-22.6	2.11E+13	1049.0	1221.3	-172.3	1.52E+13	706.4	521.5	184.9
40° to 50°	3.14E+13	824.3	651.5	172.7	1.59E+13	1110.0	884.7	225.3	1.55E+13	532.3	413.3	119.0
50° to 60°	2.55E+13	671.6	451.6	220.0	1.16E+13	893.2	645.5	247.8	1.39E+13	486.1	289.3	196.8
60° to 70°	1.88E+13	528.1	263.9	264.2	6.37E+12	635.5	391.9	243.6	1.24E+13	472.9	198.1	274.8
70° to 80°	1.15E+13	296.7	85.1	211.6	7.52E+12	270.5	76.2	194.3	3.96E+12	346.3	102.0	244.3
80° to 90°	3.86E+12	202.5	49.5	153.0	3.41E+12	199.1	47.6	151.4	4.43E+11	228.7	63.6	165.1

GISS-ER_Set2

	2070 - 2099 (A1B, Run4) E' = 0.980427												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1124.9	1124.9	0	3.65E+14	1228.9	1336.9	-108.0	1.45E+14	862.6	590.2	272.4	43.9	43.9	0.0	43.8	53.7	-9.9	44.4	19.4	25.0
-90° to -80°	3.86E+12	133.4	31.6	101.8	5.77E+10	236.2	72.5	163.7	3.80E+12	131.8	31.0	100.8	11.7	5.7	6.0	1.9	10.0	-8.1	11.9	5.7	6.2
-80° to -70°	1.15E+13	432.8	110.2	322.6	4.02E+12	533.1	194.6	338.5	7.46E+12	378.6	64.7	314.0	35.3	3.2	32.2	44.6	-2.5	47.2	30.3	6.3	24.0
-70° to -60°	1.88E+13	750.6	299.2	451.4	1.71E+13	743.1	307.3	435.7	1.66E+12	827.8	215.7	612.1	75.8	4.0	71.8	78.7	3.7	75.0	45.6	7.2	38.5
-60° to -50°	2.55E+13	977.3	528.5	448.8	2.52E+13	973.4	526.8	446.5	2.21E+11	1418.8	713.7	705.2	72.6	-3.1	75.6	72.7	-3.3	76.0	57.4	21.8	35.6
-50° to -40°	3.14E+13	1031.2	845.4	185.8	3.03E+13	1025.8	850.9	174.9	1.04E+12	1189.3	686.7	502.5	-7.0	24.3	-31.4	-5.0	23.9	-28.9	-66.1	37.9	-104.0
-40° to -30°	3.64E+13	843.1	1239.7	-396.6	3.21E+13	889.1	1312.2	-423.1	4.26E+12	496.1	693.3	-197.2	-36.8	58.5	-95.4	-39.7	63.8	-103.5	-15.4	19.0	-34.3
-30° to -20°	4.02E+13	730.5	1529.1	-798.6	3.10E+13	732.6	1766.5	-1033.9	9.22E+12	723.6	731.0	-7.4	9.7	78.0	-68.3	3.0	91.0	-88.1	32.1	34.0	-1.9
-20° to -10°	4.29E+13	1251.2	1840.2	-589.0	3.36E+13	1223.3	2042.1	-818.7	9.23E+12	1352.7	1104.7	248.0	31.4	78.0	-46.6	27.7	89.5	-61.8	44.9	36.2	8.7
-10° to 0°	4.42E+13	2503.7	1663.9	839.8	3.41E+13	2586.2	1749.2	837.0	1.01E+13	2225.2	1376.1	849.1	201.7	73.2	128.5	194.4	75.0	119.4	226.2	67.1	159.1
0° to 10°	4.42E+13	2401.0	1611.3	789.8	3.39E+13	2559.8	1743.5	816.3	1.03E+13	1880.5	1177.6	702.9	189.5	65.6	123.9	220.5	75.1	145.3	87.8	34.2	53.6
10° to 20°	4.29E+13	971.2	1689.7	-718.5	3.19E+13	1057.2	2007.6	-950.4	1.10E+13	720.8	763.6	-42.8	-39.1	75.5	-114.6	-42.0	105.0	-147.0	-30.6	-10.5	-20.1
20° to 30°	4.02E+13	761.6	1231.9	-470.3	2.53E+13	730.2	1688.0	-957.8	1.49E+13	815.0	456.3	358.6	-8.2	46.3	-54.5	-31.5	76.9	-108.4	31.5	-5.8	37.3
30° to 40°	3.64E+13	889.0	941.6	-52.7	2.11E+13	1012.3	1248.1	-235.9	1.52E+13	718.1	516.7	201.4	-16.4	13.6	-30.0	-36.8	26.8	-63.6	11.7	-4.8	16.5
40° to 50°	3.14E+13	855.0	676.8	178.2	1.59E+13	1149.4	909.8	239.6	1.55E+13	554.1	438.7	115.4	30.7	25.3	5.4	39.4	25.1	14.3	21.9	25.4	-3.6
50° to 60°	2.55E+13	712.5	450.1	262.3	1.16E+13	927.8	600.4	327.4	1.39E+13	532.1	324.2	207.9	40.8	-1.5	42.3	34.6	-45.0	79.6	46.1	35.0	11.1
60° to 70°	1.88E+13	585.1	281.0	304.0	6.37E+12	681.5	398.9	282.6	1.24E+13	535.5	220.4	315.1	57.0	17.1	39.8	46.0	7.1	39.0	62.6	22.3	40.3
70° to 80°	1.15E+13	345.4	95.7	249.7	7.52E+12	317.9	87.8	230.1	3.96E+12	397.7	110.7	287.0	48.7	10.6	38.2	47.4	11.6	35.8	51.4	8.7	42.7
80° to 90°	3.86E+12	243.7	54.8	188.9	3.41E+12	237.8	52.0	185.8	4.43E+11	289.5	76.9	212.6	41.3	5.4	35.9	38.7	4.3	34.4	60.8	13.3	47.5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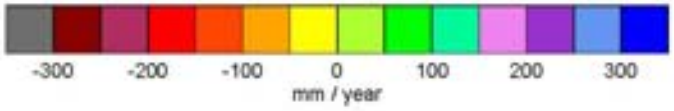
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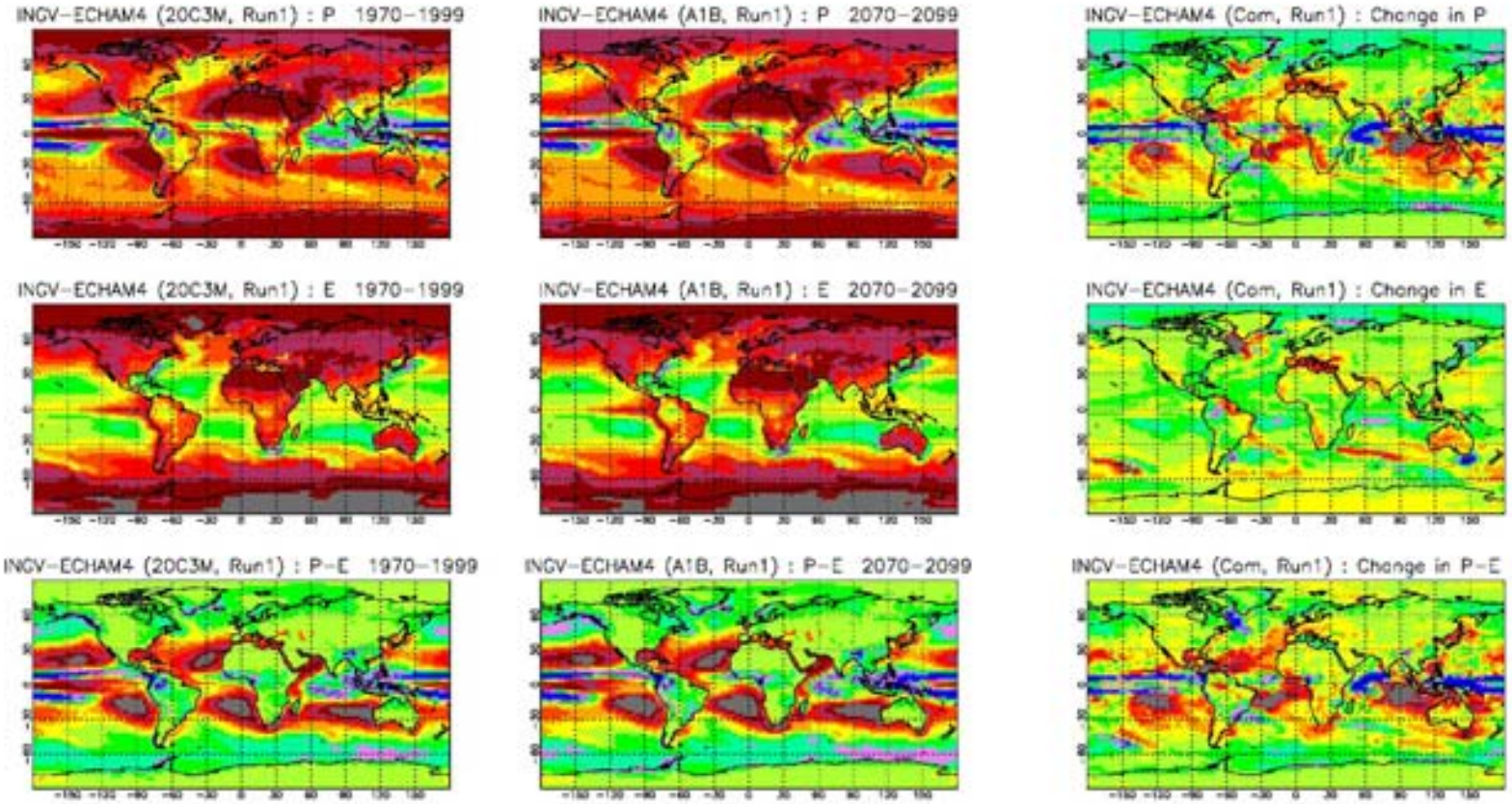
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INCV-ECHAM4 (A1B, Run1) : E 2070-2099
INCV-ECHAM4 (Com, Run1) : Change in E
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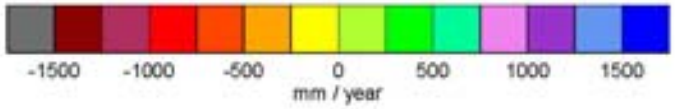
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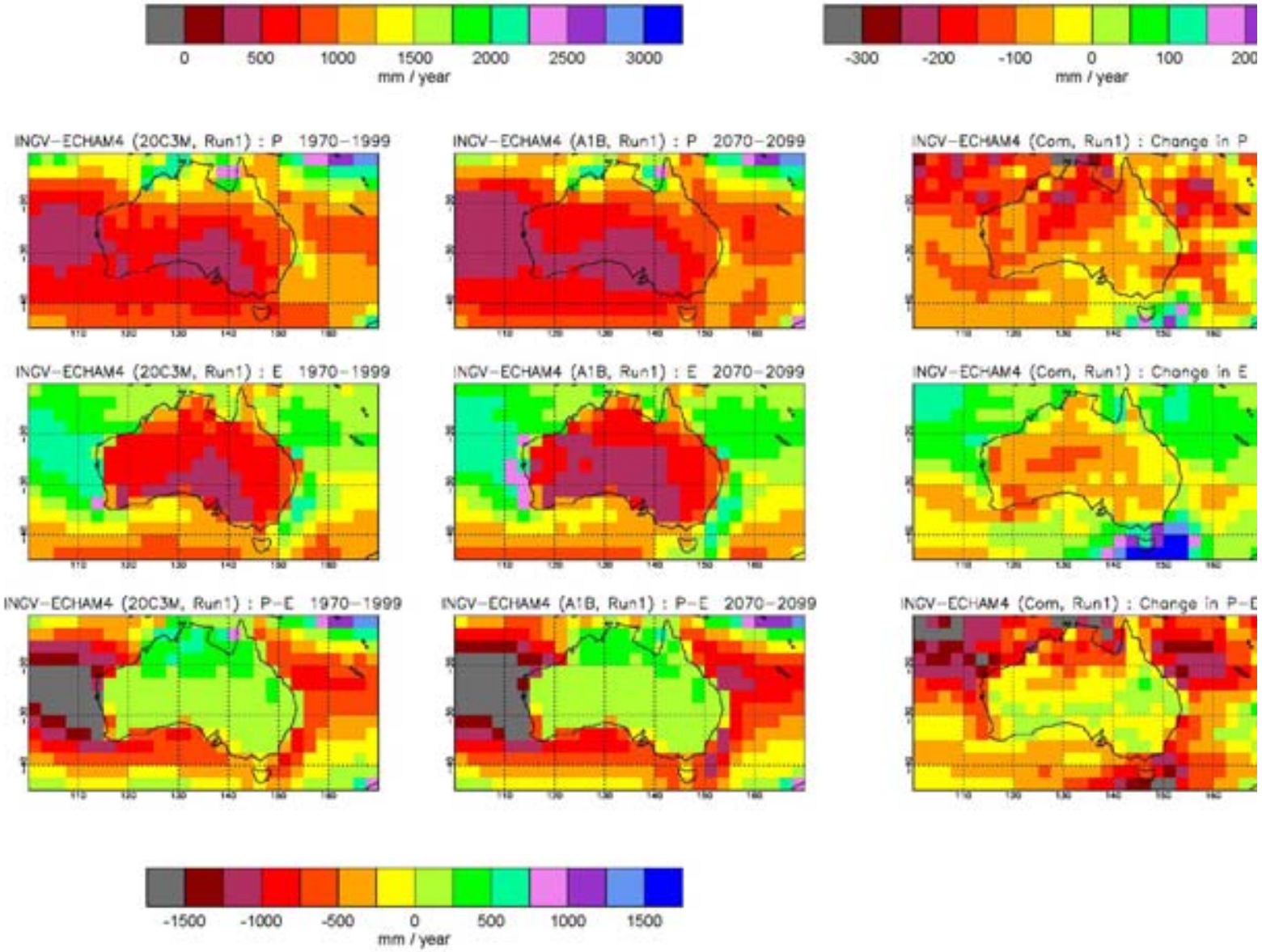
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INGV-ECHAM4 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

INGV-ECHAM4_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	758.1	513.2	244.9	1.45E+14	782.0	521.0	261.0	23.8	7.8	16.0
Australia	7.61E+12	826.5	688.1	138.4	7.61E+12	732.4	630.2	102.2	-94.1	-57.9	-36.2
New Zealand	2.41E+11	1285.2	978.8	306.4	2.41E+11	1303.8	983.5	320.3	18.6	4.7	13.8
South America	1.77E+13	1381.4	942.9	438.5	1.77E+13	1419.1	960.6	458.6	37.8	17.7	20.1
North America	2.33E+13	766.3	497.6	268.7	2.33E+13	813.8	519.2	294.6	47.5	21.6	25.8
Europe	6.58E+12	658.0	472.0	185.9	6.58E+12	610.1	447.6	162.5	-47.9	-24.4	-23.5
Africa	3.00E+13	746.5	544.4	202.2	3.00E+13	753.7	550.5	203.2	7.2	6.2	1.0
Middle East	4.94E+12	84.8	125.6	-40.7	4.94E+12	79.3	119.5	-40.2	-5.5	-6.1	0.5
Asia	3.73E+13	616.6	410.2	206.4	3.73E+13	658.4	429.3	229.1	41.9	19.1	22.7
Southeast Asia	3.54E+12	1906.4	1169.0	737.4	3.54E+12	2000.2	1169.1	831.1	93.8	0.1	93.7
Antarctica	1.31E+13	211.7	26.6	185.1	1.31E+13	254.9	31.3	223.6	43.2	4.7	38.5

INGV-ECHAM4_Set1

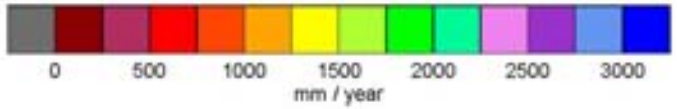
	1970 - 1999 (20C3M, Run1) E' = 0.978468											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1005.8	1005.8	0	3.64E+14	1104.2	1201.5	-97.4	1.45E+14	758.1	513.2	244.9
-90° to -80°	3.86E+12	109.8	45.5	64.3	3.73E+11	316.1	364.0	-47.9	3.48E+12	87.8	11.4	76.4
-80° to -70°	1.15E+13	299.0	60.7	238.3	3.89E+12	501.5	137.5	363.9	7.60E+12	195.3	21.3	174.0
-70° to -60°	1.88E+13	778.2	191.9	586.2	1.68E+13	812.0	205.9	606.1	1.99E+12	492.1	73.4	418.6
-60° to -50°	2.55E+13	1048.5	516.1	532.4	2.53E+13	1048.2	514.7	533.5	1.39E+11	1094.1	759.8	334.3
-50° to -40°	3.14E+13	1030.2	871.7	158.4	3.05E+13	1033.4	879.1	154.3	9.07E+11	921.4	624.1	297.3
-40° to -30°	3.64E+13	868.3	1238.2	-369.9	3.25E+13	890.6	1311.3	-420.7	3.91E+12	682.7	630.9	51.8
-30° to -20°	4.02E+13	774.4	1435.0	-660.6	3.10E+13	732.2	1652.9	-920.7	9.28E+12	915.0	708.4	206.6
-20° to -10°	4.29E+13	1286.5	1535.9	-249.4	3.35E+13	1301.8	1716.6	-414.8	9.33E+12	1231.5	886.2	345.3
-10° to 0°	4.42E+13	1480.4	1323.7	156.7	3.45E+13	1454.9	1392.9	62.0	9.72E+12	1570.9	1078.2	492.7
0° to 10°	4.42E+13	1703.0	1254.9	448.1	3.44E+13	1752.8	1345.4	407.4	9.84E+12	1529.2	938.9	590.3
10° to 20°	4.29E+13	1215.6	1399.2	-183.6	3.17E+13	1362.5	1673.1	-310.6	1.12E+13	798.0	620.8	177.2
20° to 30°	4.02E+13	696.2	1196.2	-500.1	2.50E+13	781.1	1687.8	-906.7	1.52E+13	556.4	387.2	169.3
30° to 40°	3.64E+13	777.1	948.4	-171.2	2.09E+13	970.2	1338.6	-368.4	1.55E+13	517.3	423.1	94.2
40° to 50°	3.14E+13	866.1	668.7	197.4	1.54E+13	1192.8	918.9	273.9	1.60E+13	550.9	427.4	123.6
50° to 60°	2.55E+13	875.0	520.3	354.8	1.11E+13	1125.9	639.3	486.6	1.44E+13	680.9	428.2	252.8
60° to 70°	1.88E+13	692.6	332.9	359.7	5.69E+12	872.1	456.1	416.0	1.31E+13	614.4	279.1	335.2
70° to 80°	1.15E+13	369.5	122.3	247.2	8.36E+12	382.7	134.1	248.6	3.12E+12	334.2	90.6	243.7
80° to 90°	3.86E+12	253.8	26.6	227.2	3.58E+12	255.5	25.0	230.5	2.78E+11	232.1	47.4	184.7

INGV-ECHAM4_Set1

	2070 - 2099 (A1B, Run1) E' = 0.976142												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1028.7	1028.7	0	3.64E+14	1126.7	1230.5	-103.7	1.45E+14	782.0	521.0	261.0	22.9	22.9	0.0	22.6	28.9	-6.4	23.8	7.8	16.0
-90° to -80°	3.86E+12	123.3	46.2	77.1	3.73E+11	320.7	349.8	-29.0	3.48E+12	102.1	13.7	88.5	13.4	0.7	12.8	4.6	-14.3	18.9	14.4	2.3	12.1
-80° to -70°	1.15E+13	345.5	64.1	281.4	3.89E+12	561.4	140.2	421.2	7.60E+12	234.9	25.2	209.7	46.5	3.5	43.0	60.0	2.7	57.3	39.6	3.9	35.7
-70° to -60°	1.88E+13	874.2	213.8	660.4	1.68E+13	906.6	229.0	677.7	1.99E+12	599.9	85.6	514.3	96.0	21.9	74.1	94.6	23.0	71.6	107.8	12.2	95.7
-60° to -50°	2.55E+13	1097.4	503.1	594.3	2.53E+13	1097.4	501.7	595.7	1.39E+11	1099.2	756.9	342.2	48.9	-13.0	61.9	49.2	-13.0	62.2	5.0	-2.9	7.9
-50° to -40°	3.14E+13	1037.2	894.8	142.3	3.05E+13	1041.2	902.6	138.6	9.07E+11	900.8	633.4	267.4	7.0	23.1	-16.1	7.8	23.5	-15.7	-20.7	9.3	-30.0
-40° to -30°	3.64E+13	853.2	1237.3	-384.1	3.25E+13	876.5	1312.4	-436.0	3.91E+12	660.0	613.2	46.8	-15.0	-0.9	-14.2	-14.1	1.1	-15.3	-22.7	-17.7	-5.0
-30° to -20°	4.02E+13	746.1	1445.6	-699.6	3.10E+13	699.6	1675.3	-975.7	9.28E+12	901.1	679.7	221.4	-28.3	10.7	-39.0	-32.6	22.5	-55.1	-13.9	-28.7	14.8
-20° to -10°	4.29E+13	1202.9	1594.1	-391.2	3.35E+13	1192.7	1791.0	-598.3	9.33E+12	1239.2	885.8	353.4	-83.7	58.1	-141.8	-109.1	74.4	-183.5	7.7	-0.3	8.1
-10° to 0°	4.42E+13	1537.5	1369.7	167.9	3.45E+13	1521.2	1444.6	76.7	9.72E+12	1595.4	1103.8	491.6	57.2	46.0	11.2	66.4	51.7	14.7	24.6	25.7	-1.1
0° to 10°	4.42E+13	1875.8	1286.8	589.0	3.44E+13	1959.4	1382.1	577.3	9.84E+12	1583.7	953.9	629.8	172.8	31.9	140.9	206.7	36.8	169.9	54.5	15.0	39.5
10° to 20°	4.29E+13	1187.6	1427.2	-239.7	3.17E+13	1329.2	1712.1	-382.9	1.12E+13	785.2	617.8	167.4	-28.0	28.1	-56.1	-33.4	39.0	-72.4	-12.8	-3.1	-9.7
20° to 30°	4.02E+13	677.1	1215.2	-538.1	2.50E+13	743.6	1719.4	-975.8	1.52E+13	567.6	385.5	182.2	-19.1	19.0	-38.1	-37.5	31.6	-69.1	11.2	-1.7	12.9
30° to 40°	3.64E+13	775.6	953.0	-177.4	2.09E+13	960.0	1342.1	-382.2	1.55E+13	527.5	429.3	98.2	-1.5	4.6	-6.2	-10.2	3.5	-13.7	10.2	6.2	4.0
40° to 50°	3.14E+13	877.9	677.2	200.7	1.54E+13	1216.2	929.8	286.4	1.60E+13	551.7	433.6	118.0	11.9	8.6	3.3	23.4	10.9	12.5	0.7	6.2	-5.5
50° to 60°	2.55E+13	924.5	532.8	391.7	1.11E+13	1183.2	632.7	550.5	1.44E+13	724.3	455.5	268.8	49.5	12.5	36.9	57.3	-6.6	63.9	43.4	27.4	16.0
60° to 70°	1.88E+13	784.8	363.1	421.7	5.69E+12	966.9	483.4	483.5	1.31E+13	705.4	310.6	394.8	92.2	30.2	62.0	94.8	27.3	67.5	91.0	31.5	59.6
70° to 80°	1.15E+13	471.4	194.4	277.0	8.36E+12	494.5	226.5	268.1	3.12E+12	409.7	108.7	301.0	101.9	72.1	29.8	111.8	92.3	19.5	75.4	18.1	57.3
80° to 90°	3.86E+12	360.7	121.9	238.8	3.58E+12	362.6	125.9	236.8	2.78E+11	336.2	70.9	265.3	106.9	95.3	11.6	107.1	100.9	6.2	104.1	23.5	80.6

INGV-ECHAM4_Set1

	2070 - 2099 (A2, Run1) E' = 0.975572												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1031.7	1031.7	0	3.64E+14	1128.8	1233.1	-104.2	1.45E+14	787.2	525.0	262.2	25.9	25.9	0.0	24.6	31.5	-6.9	29.1	11.8	17.3
-90° to -80°	3.86E+12	123.5	45.7	77.8	3.73E+11	305.1	337.7	-32.6	3.48E+12	104.0	14.4	89.7	13.7	0.2	13.5	-11.0	-26.3	15.3	16.3	3.0	13.3
-80° to -70°	1.15E+13	352.5	62.0	290.6	3.89E+12	572.4	132.1	440.3	7.60E+12	239.9	26.0	213.9	53.5	1.3	52.2	71.0	-5.4	76.4	44.6	4.7	39.9
-70° to -60°	1.88E+13	888.8	206.4	682.4	1.68E+13	921.6	220.5	701.1	1.99E+12	611.6	87.5	524.1	110.6	14.5	96.1	109.6	14.6	95.0	119.5	14.0	105.4
-60° to -50°	2.55E+13	1106.5	500.5	606.1	2.53E+13	1106.6	499.1	607.5	1.39E+11	1094.8	750.6	344.2	58.1	-15.6	73.7	58.4	-15.6	74.0	0.7	-9.2	9.9
-50° to -40°	3.14E+13	1038.2	898.8	139.4	3.05E+13	1042.3	906.6	135.7	9.07E+11	899.2	635.6	263.6	8.0	27.1	-19.1	8.9	27.6	-18.6	-22.2	11.5	-33.7
-40° to -30°	3.64E+13	852.1	1249.7	-397.6	3.25E+13	870.5	1323.3	-452.9	3.91E+12	700.0	638.7	61.3	-16.1	11.6	-27.7	-20.1	12.0	-32.1	17.3	7.8	9.5
-30° to -20°	4.02E+13	752.1	1466.4	-714.4	3.10E+13	697.5	1693.9	-996.4	9.28E+12	933.9	707.6	226.3	-22.3	31.4	-53.7	-34.7	41.1	-75.8	18.9	-0.7	19.7
-20° to -10°	4.29E+13	1212.0	1595.6	-383.6	3.35E+13	1202.1	1791.9	-589.9	9.33E+12	1247.6	889.6	358.0	-74.6	59.7	-134.2	-99.8	75.3	-175.1	16.1	3.4	12.7
-10° to 0°	4.42E+13	1556.1	1373.2	182.8	3.45E+13	1537.3	1447.1	90.2	9.72E+12	1622.5	1110.8	511.7	75.7	49.5	26.2	82.5	54.3	28.2	51.7	32.7	19.0
0° to 10°	4.42E+13	1851.6	1295.6	556.0	3.44E+13	1935.1	1391.9	543.2	9.84E+12	1559.7	959.2	600.4	148.6	40.7	107.9	182.4	46.5	135.8	30.5	20.3	10.2
10° to 20°	4.29E+13	1190.3	1429.4	-239.2	3.17E+13	1332.8	1716.1	-383.3	1.12E+13	785.3	614.7	170.6	-25.3	30.3	-55.6	-29.7	43.1	-72.8	-12.8	-6.1	-6.6
20° to 30°	4.02E+13	687.5	1215.3	-527.7	2.50E+13	759.5	1716.7	-957.2	1.52E+13	569.1	389.9	179.1	-8.7	19.0	-27.7	-21.6	28.9	-50.5	12.6	2.8	9.9
30° to 40°	3.64E+13	772.5	942.8	-170.3	2.09E+13	954.9	1326.2	-371.4	1.55E+13	527.1	426.7	100.4	-4.6	-5.6	0.9	-15.3	-12.4	-2.9	9.8	3.6	6.2
40° to 50°	3.14E+13	870.6	673.8	196.8	1.54E+13	1204.8	925.3	279.5	1.60E+13	548.2	431.3	117.0	4.5	5.1	-0.6	12.1	6.4	5.6	-2.7	3.9	-6.6
50° to 60°	2.55E+13	929.2	531.9	397.3	1.11E+13	1185.8	627.3	558.5	1.44E+13	730.7	458.2	272.6	54.2	11.7	42.5	59.9	-12.0	71.9	49.8	30.0	19.8
60° to 70°	1.88E+13	787.4	365.2	422.2	5.69E+12	967.5	482.7	484.8	1.31E+13	708.9	314.0	394.9	94.8	32.4	62.4	95.4	26.6	68.7	94.6	34.9	59.7
70° to 80°	1.15E+13	483.4	201.9	281.5	8.36E+12	507.8	234.9	272.9	3.12E+12	418.0	113.4	304.6	113.9	79.6	34.3	125.1	100.8	24.3	83.7	22.8	60.9
80° to 90°	3.86E+12	378.1	125.7	252.4	3.58E+12	379.8	130.0	249.8	2.78E+11	356.9	71.4	285.6	124.3	99.2	25.2	124.3	105.0	19.3	124.8	23.9	100.9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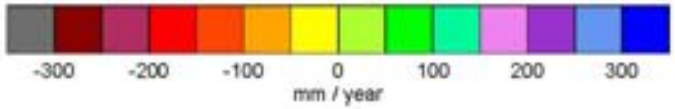
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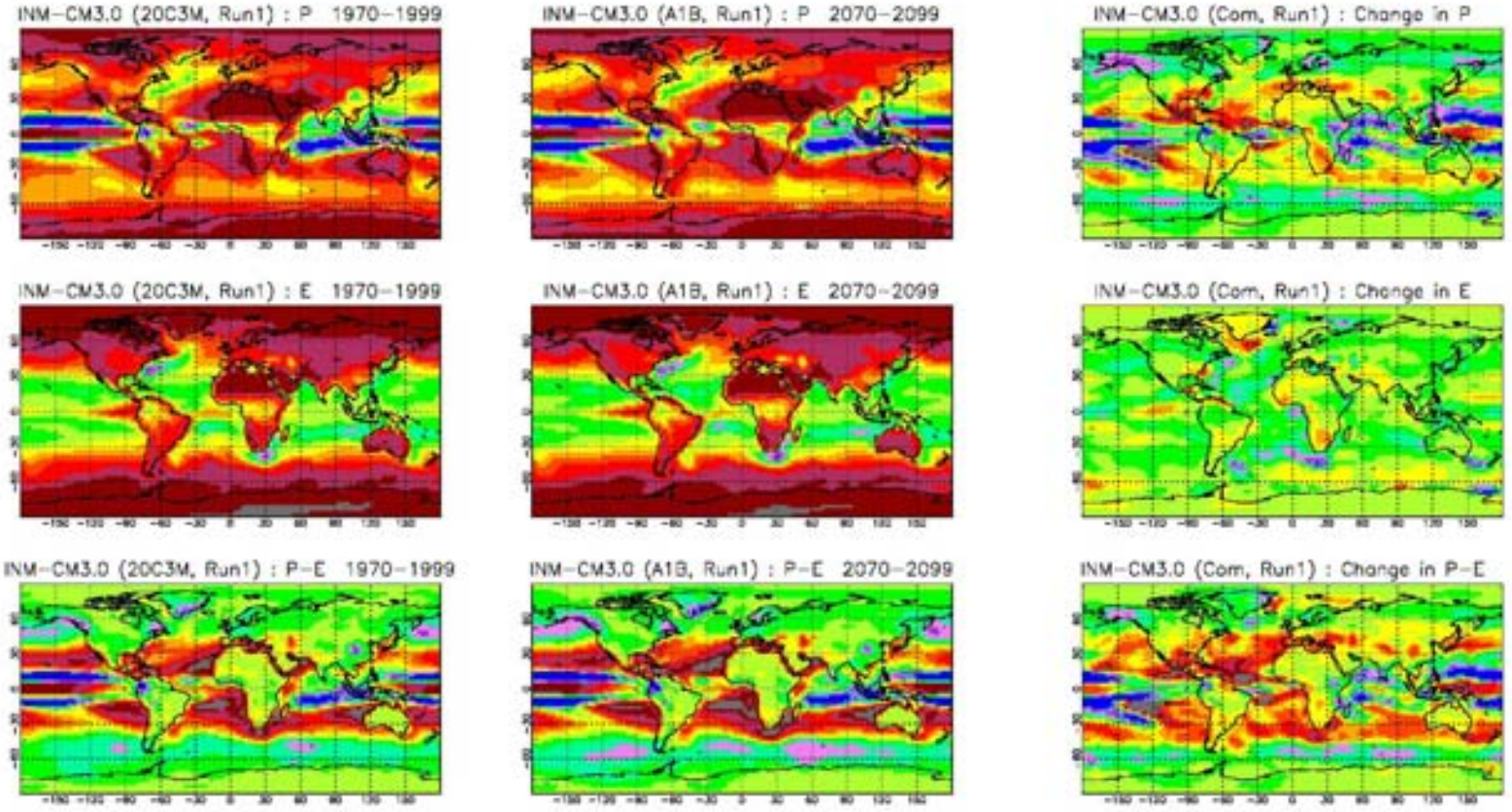
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INM-CM3.0 (A1B, Run1) : E 2070-2099
INM-CM3.0 (Com, Run1) : Change in E
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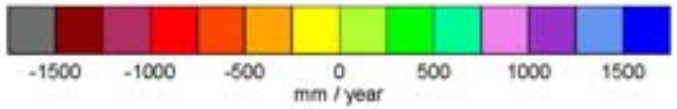
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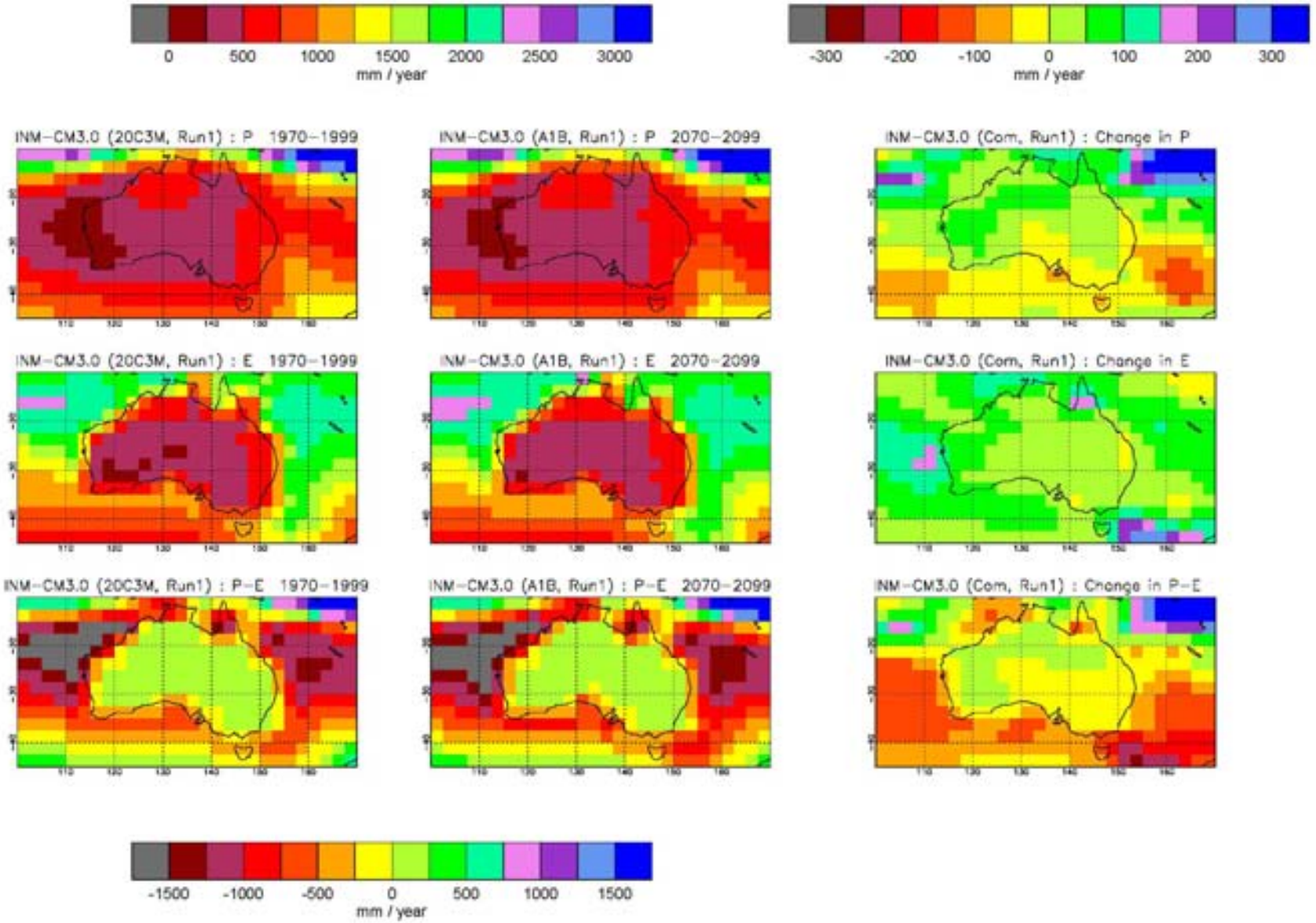
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INM-CM3.0 (Com, Run1) : Change in E
INM-CM3.0 (20C3M, Run1) : P-E 1970-1999
INM-CM3.0 (A1B, Run1) : P-E 2070-2099
INM-CM3.0 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

INM-CM3.0_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.52E+14	709.5	546.7	162.8	1.52E+14	743.8	573.5	170.2	34.2	26.8	7.4
Australia	8.18E+12	491.0	584.5	-93.5	8.18E+12	518.5	624.9	-106.4	27.5	40.4	-12.9
New Zealand	3.34E+11	1164.2	755.1	409.1	3.34E+11	1165.8	821.2	344.6	1.6	66.1	-64.5
South America	1.80E+13	1035.1	855.6	179.4	1.80E+13	1054.0	875.1	178.9	19.0	19.5	-0.6
North America	2.36E+13	748.2	441.8	306.5	2.36E+13	796.6	474.8	321.8	48.4	33.0	15.4
Europe	6.75E+12	794.1	554.4	239.8	6.75E+12	797.8	579.5	218.3	3.6	25.1	-21.5
Africa	2.96E+13	594.6	608.6	-14.0	2.96E+13	619.3	620.5	-1.1	24.8	11.9	12.9
Middle East	5.03E+12	125.0	374.1	-249.1	5.03E+12	131.7	384.0	-252.2	6.7	9.9	-3.2
Asia	3.91E+13	714.9	470.1	244.9	3.91E+13	762.6	512.8	249.8	47.7	42.8	5.0
Southeast Asia	4.37E+12	1928.6	1377.2	551.4	4.37E+12	1995.7	1405.8	589.9	67.1	28.6	38.5
Antarctica	1.35E+13	252.2	40.4	211.8	1.35E+13	293.0	48.5	244.5	40.8	8.1	32.8

INM-CM3.0_Set1

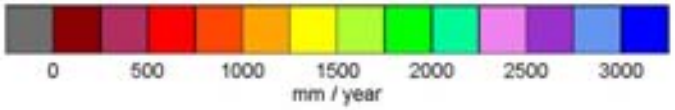
	1970 - 1999 (20C3M, Run1) E' = 0.983499											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1035.0	1035.0	0	3.58E+14	1172.9	1241.9	-69.0	1.52E+14	709.5	546.7	162.8
-90° to -80°	3.86E+12	148.3	20.6	127.7	3.58E+03	158.9	21.3	137.6	3.86E+12	148.3	20.6	127.7
-80° to -70°	1.15E+13	297.1	42.9	254.2	3.72E+12	402.7	60.7	342.0	7.76E+12	246.5	34.4	212.1
-70° to -60°	1.88E+13	657.1	212.3	444.8	1.67E+13	678.8	225.9	452.9	2.10E+12	485.8	105.3	380.5
-60° to -50°	2.55E+13	1015.9	423.1	592.7	2.53E+13	1015.9	422.7	593.2	1.64E+11	1005.3	492.3	513.0
-50° to -40°	3.14E+13	1117.6	778.0	339.6	3.04E+13	1125.5	786.5	339.1	1.01E+12	880.5	525.8	354.7
-40° to -30°	3.64E+13	788.5	1190.5	-402.0	3.19E+13	819.5	1267.3	-447.8	4.45E+12	565.9	639.3	-73.3
-30° to -20°	4.02E+13	676.6	1376.0	-699.4	3.06E+13	731.4	1628.7	-897.3	9.66E+12	503.3	576.6	-73.4
-20° to -10°	4.29E+13	1404.6	1571.9	-167.3	3.27E+13	1605.5	1825.9	-220.4	1.01E+13	755.4	751.1	4.3
-10° to 0°	4.42E+13	1564.3	1426.9	137.4	3.32E+13	1601.9	1526.8	75.0	1.10E+13	1450.6	1124.7	325.9
0° to 10°	4.42E+13	1643.7	1457.5	186.2	3.37E+13	1724.1	1555.4	168.7	1.05E+13	1385.8	1143.5	242.3
10° to 20°	4.29E+13	1402.2	1465.2	-63.0	3.17E+13	1708.7	1766.8	-58.1	1.12E+13	536.0	612.9	-76.9
20° to 30°	4.02E+13	720.4	1265.9	-545.6	2.53E+13	861.3	1708.5	-847.1	1.49E+13	481.6	516.2	-34.6
30° to 40°	3.64E+13	808.3	1016.3	-208.0	2.04E+13	920.0	1388.8	-468.8	1.59E+13	665.1	538.8	126.3
40° to 50°	3.14E+13	998.9	734.1	264.8	1.54E+13	1240.7	925.9	314.8	1.59E+13	764.9	548.4	216.5
50° to 60°	2.55E+13	941.2	495.8	445.4	1.11E+13	1130.4	610.5	519.8	1.43E+13	793.8	406.5	387.3
60° to 70°	1.88E+13	659.0	299.2	359.8	5.34E+12	815.6	483.1	332.5	1.34E+13	596.6	226.0	370.6
70° to 80°	1.15E+13	403.4	141.1	262.3	6.78E+12	397.0	161.5	235.5	4.70E+12	412.8	111.8	301.0
80° to 90°	3.86E+12	273.5	33.6	239.9	3.35E+12	265.6	33.2	232.3	5.07E+11	326.2	36.5	289.7

INM-CM3.0_Set1

	2070 - 2099 (A1B, Run1) E' = 0.980492												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1080.7	1080.7	0	3.58E+14	1223.5	1295.7	-72.2	1.52E+14	743.8	573.5	170.2	45.7	45.7	0.0	50.6	53.7	-3.1	34.2	26.8	7.4
-90° to -80°	3.86E+12	178.0	25.0	153.0	3.58E+03	206.1	17.1	189.0	3.86E+12	178.0	25.0	153.0	29.7	4.4	25.2	47.2	-4.2	51.4	29.7	4.4	25.2
-80° to -70°	1.15E+13	342.6	55.8	286.7	3.72E+12	455.5	81.7	373.8	7.76E+12	288.4	43.5	245.0	45.4	12.9	32.5	52.7	21.0	31.8	41.9	9.0	32.9
-70° to -60°	1.88E+13	752.6	241.2	511.4	1.67E+13	778.7	256.8	522.0	2.10E+12	545.5	117.8	427.7	95.5	28.8	66.6	100.0	30.9	69.1	59.7	12.5	47.2
-60° to -50°	2.55E+13	1136.1	434.1	702.0	2.53E+13	1136.6	433.6	703.1	1.64E+11	1053.5	520.7	532.8	120.3	11.0	109.3	120.7	10.9	109.8	48.3	28.5	19.8
-50° to -40°	3.14E+13	1137.0	843.2	293.8	3.04E+13	1145.5	852.6	292.9	1.01E+12	883.2	562.6	320.6	19.4	65.2	-45.8	20.0	66.1	-46.1	2.7	36.8	-34.1
-40° to -30°	3.64E+13	758.1	1261.5	-503.3	3.19E+13	786.0	1344.6	-558.5	4.45E+12	557.8	665.1	-107.3	-30.4	71.0	-101.4	-33.5	77.3	-110.8	-8.1	25.9	-34.0
-30° to -20°	4.02E+13	698.3	1426.5	-728.2	3.06E+13	763.5	1693.9	-930.4	9.66E+12	492.2	580.5	-88.3	21.7	50.5	-28.7	32.1	65.2	-33.1	-11.1	3.9	-15.0
-20° to -10°	4.29E+13	1445.2	1616.4	-171.3	3.27E+13	1649.5	1880.3	-230.8	1.01E+13	784.8	763.9	20.9	40.6	44.6	-4.0	44.0	54.4	-10.4	29.4	12.8	16.6
-10° to 0°	4.42E+13	1666.4	1481.6	184.8	3.32E+13	1715.5	1585.1	130.4	1.10E+13	1517.8	1168.5	349.3	102.1	54.6	47.5	113.6	58.2	55.4	67.2	43.8	23.4
0° to 10°	4.42E+13	1714.3	1500.1	214.1	3.37E+13	1801.5	1603.7	197.9	1.05E+13	1434.3	1168.0	266.4	70.6	42.6	28.0	77.5	48.3	29.2	48.6	24.5	24.1
10° to 20°	4.29E+13	1456.8	1504.5	-47.7	3.17E+13	1774.8	1814.7	-39.9	1.12E+13	557.8	627.5	-69.6	54.6	39.2	15.3	66.1	48.0	18.2	21.9	14.6	7.3
20° to 30°	4.02E+13	726.3	1302.9	-576.7	2.53E+13	873.6	1762.2	-888.7	1.49E+13	476.7	524.7	-48.0	5.9	37.0	-31.1	12.2	53.8	-41.5	-4.9	8.6	-13.5
30° to 40°	3.64E+13	792.2	1068.2	-276.0	2.04E+13	912.7	1462.1	-549.4	1.59E+13	637.8	563.3	74.5	-16.0	51.9	-67.9	-7.3	73.3	-80.6	-27.3	24.5	-51.8
40° to 50°	3.14E+13	1017.0	798.2	218.8	1.54E+13	1263.5	1011.2	252.3	1.59E+13	778.3	592.0	186.3	18.0	64.1	-46.0	22.8	85.2	-62.4	13.4	43.6	-30.2
50° to 60°	2.55E+13	1033.8	541.4	492.4	1.11E+13	1229.3	636.8	592.5	1.43E+13	881.3	467.0	414.4	92.5	45.5	47.0	99.0	26.3	72.7	87.5	60.5	27.0
60° to 70°	1.88E+13	765.9	334.0	431.9	5.34E+12	896.4	501.4	395.0	1.34E+13	713.9	267.4	446.5	106.9	34.8	72.1	80.8	18.3	62.5	117.3	41.4	75.9
70° to 80°	1.15E+13	476.2	179.7	296.5	6.78E+12	465.1	214.4	250.7	4.70E+12	492.2	129.7	362.5	72.8	38.6	34.2	68.1	52.8	15.3	79.5	18.0	61.5
80° to 90°	3.86E+12	347.8	60.9	286.9	3.35E+12	333.7	63.4	270.3	5.07E+11	441.0	44.7	396.3	74.3	27.3	47.0	68.2	30.2	38.0	114.8	8.2	106.6

INM-CM3.0_Set1

	2070 - 2099 (A2, Run1) E' = 0.979858												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1087.9	1087.9	0	3.58E+14	1231.4	1304.3	-73.0	1.52E+14	749.6	577.4	172.2	53.0	53.0	0.0	58.4	62.4	-4.0	40.0	30.6	9.4
-90° to -80°	3.86E+12	183.3	26.2	157.2	3.58E+03	231.9	51.5	180.4	3.86E+12	183.3	26.2	157.2	35.0	5.6	29.5	73.0	30.2	42.8	35.0	5.6	29.5
-80° to -70°	1.15E+13	354.3	59.1	295.2	3.72E+12	467.0	89.6	377.4	7.76E+12	300.2	44.5	255.7	57.1	16.2	41.0	64.3	28.9	35.4	53.7	10.1	43.6
-70° to -60°	1.88E+13	778.5	242.1	536.4	1.67E+13	806.2	257.3	548.9	2.10E+12	559.6	122.2	437.4	121.4	29.8	91.6	127.4	31.4	96.0	73.7	16.9	56.9
-60° to -50°	2.55E+13	1158.5	441.3	717.2	2.53E+13	1159.3	440.8	718.5	1.64E+11	1031.3	521.0	510.4	142.7	18.2	124.5	143.4	18.1	125.3	26.1	28.7	-2.6
-50° to -40°	3.14E+13	1132.2	859.1	273.1	3.04E+13	1141.3	868.9	272.3	1.01E+12	860.0	563.1	296.9	14.6	81.0	-66.4	15.8	82.5	-66.7	-20.5	37.3	-57.8
-40° to -30°	3.64E+13	756.3	1275.9	-519.6	3.19E+13	784.5	1360.6	-576.1	4.45E+12	553.6	668.0	-114.4	-32.3	85.4	-117.6	-35.0	93.3	-128.3	-12.3	28.8	-41.1
-30° to -20°	4.02E+13	691.2	1432.2	-741.0	3.06E+13	755.5	1702.4	-946.9	9.66E+12	487.8	577.3	-89.5	14.6	56.2	-41.6	24.1	73.7	-49.6	-15.4	0.7	-16.1
-20° to -10°	4.29E+13	1445.2	1625.7	-180.5	3.27E+13	1646.7	1892.9	-246.3	1.01E+13	794.2	762.4	31.8	40.6	53.9	-13.3	41.2	67.1	-25.9	38.7	11.2	27.5
-10° to 0°	4.42E+13	1668.5	1478.6	189.9	3.32E+13	1721.9	1581.9	140.0	1.10E+13	1507.1	1166.2	340.9	104.2	51.7	52.5	120.0	55.1	64.9	56.5	41.5	14.9
0° to 10°	4.42E+13	1752.7	1504.6	248.2	3.37E+13	1844.9	1608.1	236.8	1.05E+13	1456.9	1172.4	284.5	109.0	47.1	62.0	120.9	52.7	68.1	71.2	28.9	42.2
10° to 20°	4.29E+13	1463.7	1506.7	-43.0	3.17E+13	1783.3	1816.7	-33.4	1.12E+13	560.4	630.7	-70.3	61.5	41.5	20.0	74.6	49.9	24.7	24.4	17.8	6.6
20° to 30°	4.02E+13	723.5	1313.6	-590.1	2.53E+13	871.2	1778.8	-907.7	1.49E+13	473.2	525.3	-52.1	3.1	47.6	-44.6	9.9	70.4	-60.5	-8.4	9.2	-17.5
30° to 40°	3.64E+13	786.2	1077.4	-291.2	2.04E+13	910.3	1476.8	-566.5	1.59E+13	627.0	565.3	61.6	-22.1	61.1	-83.2	-9.6	88.0	-97.7	-38.1	26.6	-64.6
40° to 50°	3.14E+13	1013.4	814.2	199.2	1.54E+13	1265.7	1035.7	230.0	1.59E+13	769.2	599.8	169.4	14.5	80.1	-65.6	25.0	109.8	-84.8	4.3	51.4	-47.1
50° to 60°	2.55E+13	1056.9	550.2	506.7	1.11E+13	1242.2	635.2	607.0	1.43E+13	912.4	483.9	428.5	115.7	54.4	61.3	111.9	24.7	87.2	118.6	77.5	41.1
60° to 70°	1.88E+13	796.4	337.8	458.6	5.34E+12	912.5	492.7	419.7	1.34E+13	750.3	276.2	474.1	137.5	38.7	98.8	96.8	9.6	87.2	153.7	50.2	103.4
70° to 80°	1.15E+13	487.6	182.5	305.1	6.78E+12	481.0	218.0	263.0	4.70E+12	497.1	131.3	365.8	84.1	41.3	42.8	84.0	56.4	27.5	84.3	19.6	64.8
80° to 90°	3.86E+12	356.5	68.5	288.0	3.35E+12	345.1	71.9	273.2	5.07E+11	431.5	45.6	385.9	82.9	34.8	48.1	79.6	38.7	40.9	105.3	9.1	96.2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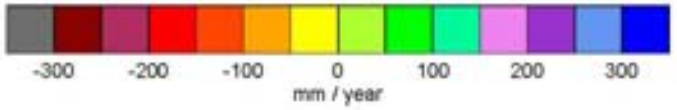
mm / year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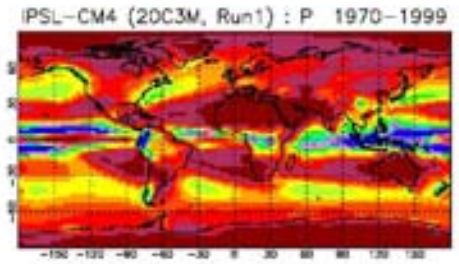
mm / year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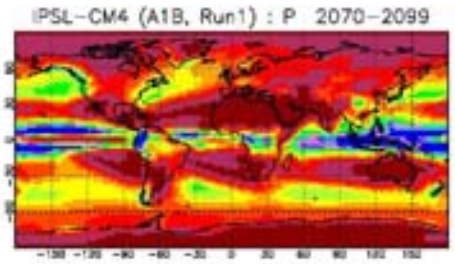
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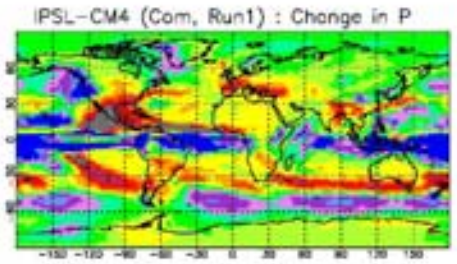
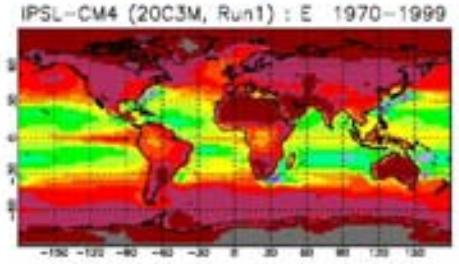

IPSL-CM4 (Com, Run1) : Change in P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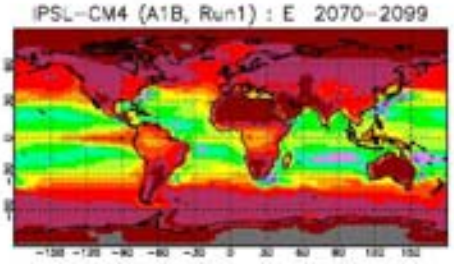
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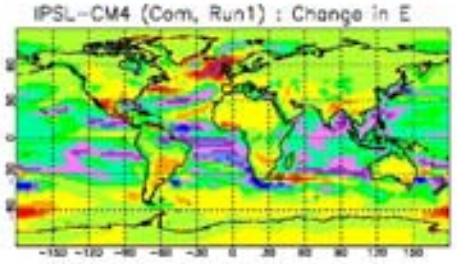
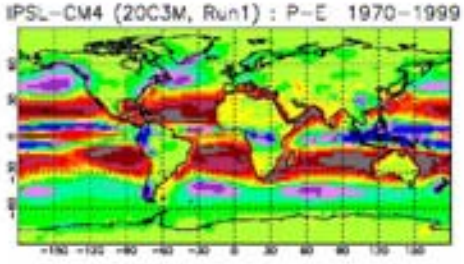

IPSL-CM4 (Com, Run1) : Change in E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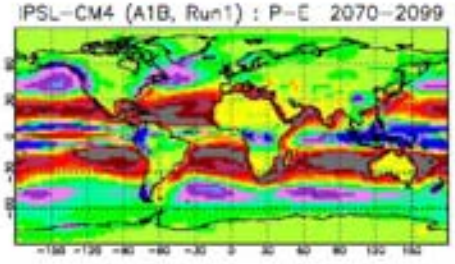
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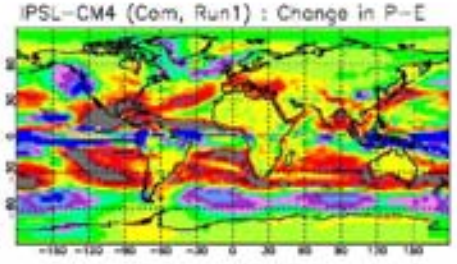
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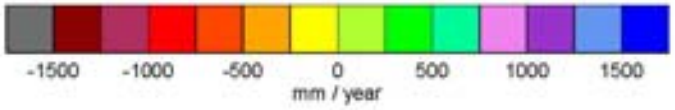
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0
500
1000
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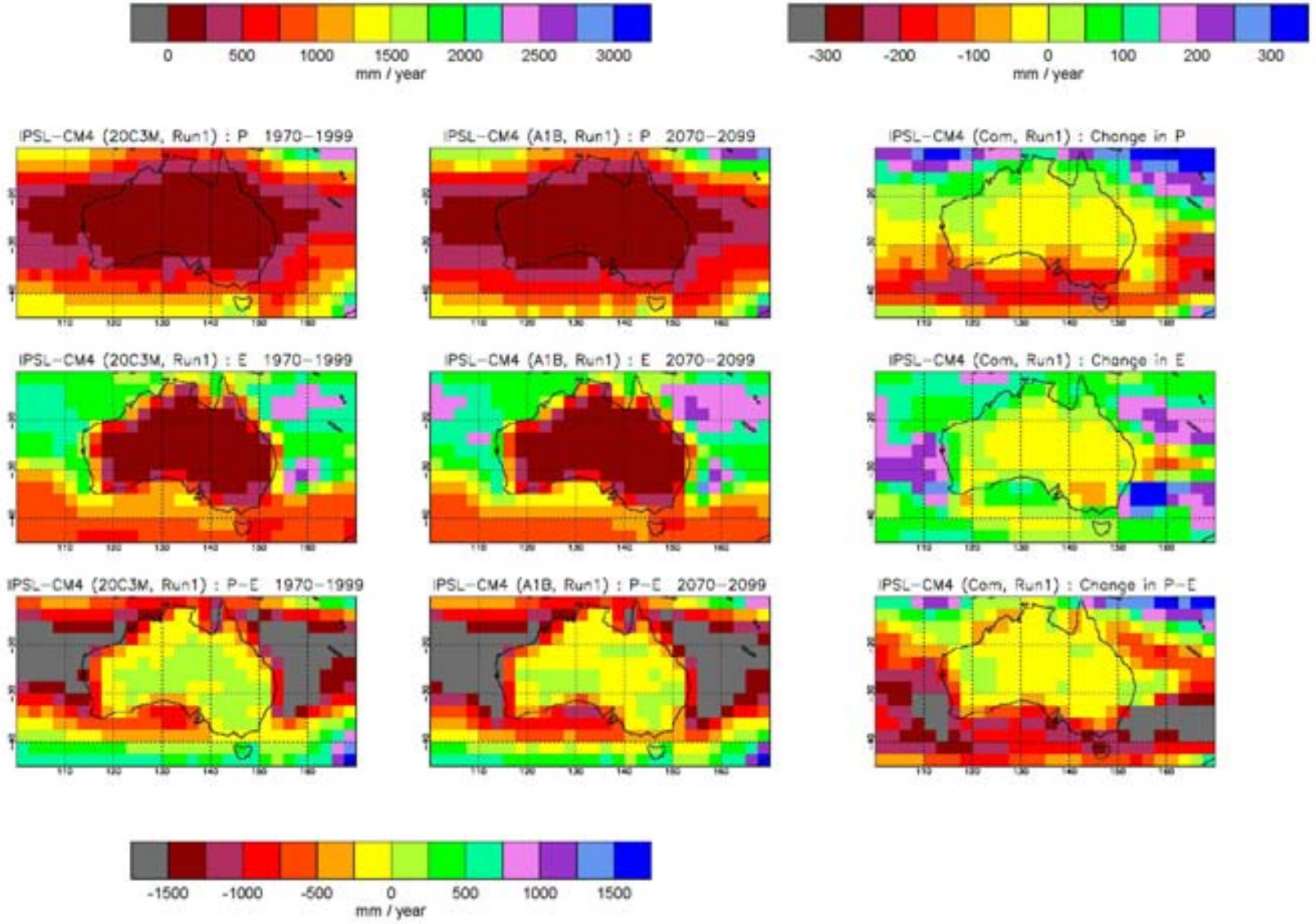
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
IPSL-CM4 (20C3M, Run1) : P 1970-1999
IPSL-CM4 (A1B, Run1) : P 2070-2099
IPSL-CM4 (Com, Run1) : Change in P
IPSL-CM4 (20C3M, Run1) : E 1970-1999
IPSL-CM4 (A1B, Run1) : E 2070-2099
IPSL-CM4 (Com, Run1) : Change in E
IPSL-CM4 (20C3M, Run1) : P-E 1970-1999
IPSL-CM4 (A1B, Run1) : P-E 2070-2099
IPSL-CM4 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

IPSL-CM4_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.52E+14	659.2	444.4	214.8	1.52E+14	688.7	457.7	231.0	29.5	13.3	16.2
Australia	7.74E+12	190.6	374.2	-183.6	7.74E+12	170.6	381.2	-210.5	-19.9	7.0	-26.9
New Zealand	3.52E+11	1689.0	700.5	988.5	3.52E+11	1670.4	792.1	878.2	-18.6	91.6	-110.3
South America	1.80E+13	1006.4	672.5	333.9	1.80E+13	1078.9	692.4	386.5	72.5	19.9	52.6
North America	2.48E+13	703.2	409.2	294.1	2.48E+13	715.8	410.6	305.1	12.5	1.4	11.1
Europe	7.02E+12	733.9	485.3	248.6	7.02E+12	679.5	489.1	190.4	-54.4	3.8	-58.1
Africa	2.97E+13	562.9	463.8	99.0	2.97E+13	573.0	478.0	95.0	10.2	14.2	-4.0
Middle East	5.18E+12	62.1	200.5	-138.4	5.18E+12	59.9	210.9	-150.9	-2.2	10.3	-12.5
Asia	3.88E+13	570.7	404.5	166.3	3.88E+13	601.1	419.5	181.6	30.4	15.1	15.3
Southeast Asia	4.44E+12	2525.8	1077.0	1448.7	4.44E+12	2766.7	1143.3	1623.3	240.9	66.3	174.6
Antarctica	1.39E+13	250.5	95.4	155.1	1.39E+13	270.4	98.1	172.3	19.9	2.7	17.2

IPSL-CM4_Set1

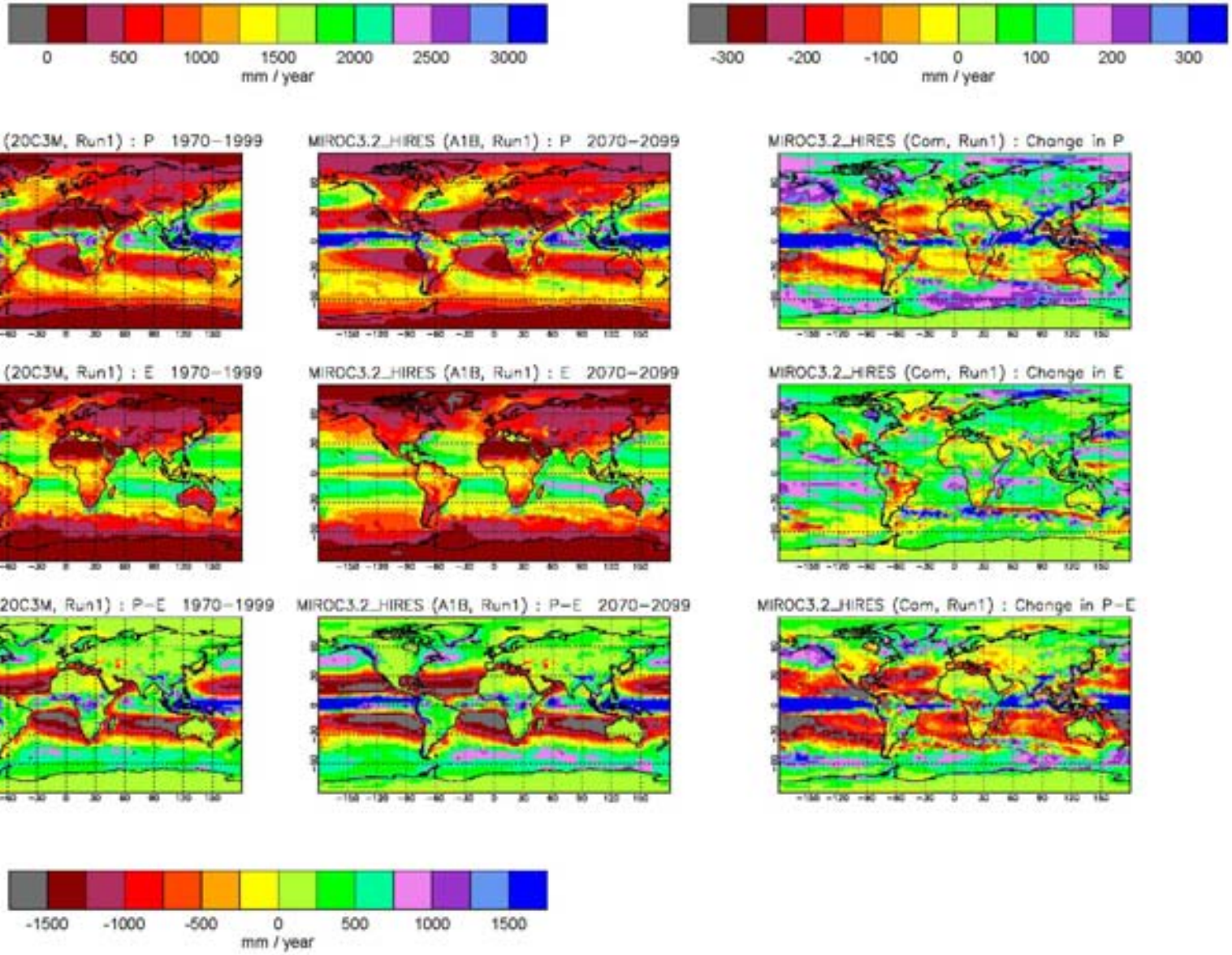
	1970 - 1999 (20C3M, Run1) E' = 0.972769											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	956.4	956.4	0	3.58E+14	1082.4	1173.5	-91.1	1.52E+14	659.2	444.4	214.8
-90° to -80°	3.86E+12	114.8	14.6	100.1	3.58E+03	137.4	24.7	112.7	3.86E+12	114.8	14.6	100.1
-80° to -70°	1.15E+13	348.6	143.8	204.8	3.52E+12	610.0	283.3	326.7	7.97E+12	233.2	82.2	151.0
-70° to -60°	1.88E+13	692.8	373.3	319.5	1.67E+13	706.6	382.0	324.7	2.11E+12	583.3	304.6	278.7
-60° to -50°	2.55E+13	950.7	454.4	496.3	2.52E+13	948.0	453.6	494.3	2.54E+11	1227.6	529.6	698.0
-50° to -40°	3.14E+13	1310.2	625.1	685.0	3.03E+13	1308.8	628.8	679.9	1.11E+12	1348.0	524.7	823.4
-40° to -30°	3.64E+13	910.6	1097.2	-186.7	3.21E+13	981.1	1178.4	-197.3	4.24E+12	376.2	482.7	-106.4
-30° to -20°	4.02E+13	448.9	1296.6	-847.6	3.07E+13	502.3	1574.5	-1072.2	9.51E+12	276.5	398.7	-122.2
-20° to -10°	4.29E+13	799.1	1575.1	-776.1	3.32E+13	829.3	1838.6	-1009.3	9.69E+12	695.5	672.8	22.7
-10° to 0°	4.42E+13	1775.5	1309.8	465.8	3.36E+13	1762.2	1433.3	328.9	1.06E+13	1817.8	918.6	899.2
0° to 10°	4.42E+13	1927.7	1322.8	604.8	3.41E+13	2043.9	1466.2	577.7	1.01E+13	1533.8	837.0	696.8
10° to 20°	4.29E+13	867.5	1396.5	-529.1	3.16E+13	1061.2	1738.9	-677.7	1.13E+13	327.1	441.8	-114.7
20° to 30°	4.02E+13	477.7	1095.3	-617.6	2.46E+13	553.2	1563.2	-1010.1	1.56E+13	358.5	356.4	2.1
30° to 40°	3.64E+13	858.9	865.1	-6.3	2.07E+13	1051.9	1164.9	-113.0	1.57E+13	603.6	468.7	134.9
40° to 50°	3.14E+13	969.8	517.9	451.9	1.52E+13	1250.0	607.0	643.0	1.62E+13	706.7	434.2	272.5
50° to 60°	2.55E+13	814.0	444.3	369.8	1.04E+13	1036.0	544.0	492.0	1.50E+13	660.4	375.2	285.1
60° to 70°	1.88E+13	602.3	313.5	288.9	5.12E+12	781.9	447.2	334.7	1.36E+13	534.8	263.2	271.7
70° to 80°	1.15E+13	346.8	163.2	183.6	7.12E+12	368.3	188.3	179.9	4.37E+12	311.8	122.2	189.6
80° to 90°	3.86E+12	266.4	112.4	153.9	3.44E+12	257.1	100.1	157.0	4.19E+11	342.3	213.9	128.4

IPSL-CM4 Set1

	2070 - 2099 (A1B, Run1) E' = 0.970077												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1019.2	1019.2	0	3.58E+14	1159.3	1257.2	-97.9	1.52E+14	688.7	457.7	231.0	62.7	62.7	0.0	76.8	83.7	-6.9	29.5	13.3	16.2
-90° to -80°	3.86E+12	148.2	17.8	130.4	3.58E+03	180.4	24.7	155.7	3.86E+12	148.2	17.8	130.4	33.4	3.2	30.2	42.9	0.0	42.9	33.4	3.2	30.2
-80° to -70°	1.15E+13	384.0	148.9	235.2	3.52E+12	681.3	294.8	386.6	7.97E+12	252.7	84.4	168.3	35.4	5.1	30.3	71.4	11.5	59.9	19.5	2.2	17.3
-70° to -60°	1.88E+13	771.7	364.1	407.6	1.67E+13	796.0	371.2	424.8	2.11E+12	579.9	308.2	271.7	78.9	-9.1	88.1	89.3	-10.8	100.1	-3.4	3.6	-7.0
-60° to -50°	2.55E+13	1130.2	449.2	681.0	2.52E+13	1127.5	448.1	679.4	2.54E+11	1397.0	555.2	841.7	179.4	-5.2	184.7	179.5	-5.6	185.1	169.4	25.6	143.8
-50° to -40°	3.14E+13	1369.5	668.9	700.5	3.03E+13	1371.3	674.0	697.3	1.11E+12	1320.7	531.3	789.3	59.3	43.8	15.5	62.5	45.2	17.3	-27.4	6.7	-34.1
-40° to -30°	3.64E+13	803.3	1179.4	-376.0	3.21E+13	869.7	1271.6	-401.9	4.24E+12	300.9	481.2	-180.3	-107.2	82.1	-189.4	-111.5	93.2	-204.6	-75.3	-1.5	-73.8
-30° to -20°	4.02E+13	429.0	1395.7	-966.7	3.07E+13	486.8	1708.9	-1222.1	9.51E+12	242.5	383.9	-141.4	-19.9	99.1	-119.0	-15.6	134.4	-150.0	-34.0	-14.8	-19.2
-20° to -10°	4.29E+13	860.9	1694.0	-833.0	3.32E+13	908.1	1989.1	-1081.0	9.69E+12	699.3	683.0	16.3	61.9	118.8	-57.0	78.8	150.5	-71.7	3.8	10.2	-6.4
-10° to 0°	4.42E+13	2112.4	1426.2	686.2	3.36E+13	2112.0	1561.2	550.8	1.06E+13	2113.5	998.7	1114.8	336.8	116.4	220.4	349.8	127.9	221.9	295.7	80.1	215.6
0° to 10°	4.42E+13	2039.7	1430.2	609.4	3.41E+13	2166.4	1592.8	573.6	1.01E+13	1610.2	879.4	730.8	112.0	107.4	4.6	122.5	126.6	-4.1	76.3	42.4	34.0
10° to 20°	4.29E+13	870.9	1477.6	-606.7	3.16E+13	1077.9	1847.7	-769.7	1.13E+13	293.7	445.6	-152.0	3.5	81.1	-77.6	16.7	108.8	-92.1	-33.4	3.8	-37.2
20° to 30°	4.02E+13	461.0	1149.6	-688.6	2.46E+13	563.8	1658.9	-1095.1	1.56E+13	298.8	345.5	-46.7	-16.7	54.4	-71.0	10.6	95.7	-85.1	-59.7	-10.9	-48.8
30° to 40°	3.64E+13	871.0	911.1	-40.1	2.07E+13	1078.7	1242.9	-164.1	1.57E+13	596.3	472.2	124.0	12.2	46.0	-33.8	26.9	78.0	-51.1	-7.3	3.6	-10.9
40° to 50°	3.14E+13	1019.6	538.4	481.2	1.52E+13	1336.7	632.6	704.1	1.62E+13	722.0	449.9	272.1	49.9	20.5	29.4	86.7	25.6	61.1	15.3	15.7	-0.4
50° to 60°	2.55E+13	879.6	450.6	428.9	1.04E+13	1123.5	536.0	587.5	1.50E+13	710.7	391.5	319.2	65.5	6.4	59.2	87.5	-8.0	95.5	50.3	16.3	34.0
60° to 70°	1.88E+13	669.1	322.1	346.9	5.12E+12	846.2	431.7	414.5	1.36E+13	602.5	281.0	321.5	66.7	8.7	58.0	64.2	-15.5	79.8	67.7	17.8	49.9
70° to 80°	1.15E+13	432.1	206.2	225.9	7.12E+12	455.8	245.6	210.2	4.37E+12	393.4	141.9	251.5	85.3	43.0	42.3	87.5	57.3	30.3	81.6	19.7	61.9
80° to 90°	3.86E+12	350.2	125.2	225.0	3.44E+12	344.7	119.1	225.6	4.19E+11	395.6	175.3	220.3	83.9	12.8	71.1	87.6	19.1	68.5	53.3	-38.5	91.9

IPSL-CM4_Set1

	2070 - 2099 (A2, Run1) E' = 0.969857												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1024.4	1024.4	0	3.58E+14	1163.8	1264.5	-100.7	1.52E+14	695.5	458.0	237.5	67.9	67.9	0.0	81.4	91.0	-9.6	36.3	13.6	22.7
-90° to -80°	3.86E+12	149.7	18.8	130.9	3.58E+03	68.7	29.0	39.7	3.86E+12	149.7	18.8	130.9	34.9	4.2	30.7	-68.7	4.3	-73.0	34.9	4.2	30.7
-80° to -70°	1.15E+13	389.1	149.8	239.3	3.52E+12	688.5	295.0	393.5	7.97E+12	256.9	85.7	171.1	40.5	6.0	34.4	78.6	11.8	66.8	23.6	3.5	20.1
-70° to -60°	1.88E+13	792.8	362.4	430.4	1.67E+13	818.6	369.3	449.3	2.11E+12	589.3	307.9	281.3	100.0	-10.9	110.9	111.9	-12.7	124.6	6.0	3.3	2.7
-60° to -50°	2.55E+13	1164.1	444.1	720.0	2.52E+13	1161.4	443.0	718.4	2.54E+11	1429.5	554.5	875.0	213.3	-10.3	223.7	213.4	-10.7	224.1	201.9	24.9	177.0
-50° to -40°	3.14E+13	1353.4	677.3	676.1	3.03E+13	1356.2	682.6	673.5	1.11E+12	1278.8	530.9	747.9	43.2	52.1	-8.9	47.4	53.8	-6.4	-69.2	6.2	-75.5
-40° to -30°	3.64E+13	778.9	1190.8	-411.8	3.21E+13	844.0	1284.6	-440.6	4.24E+12	286.3	480.0	-193.6	-131.6	93.5	-225.1	-137.1	106.2	-243.4	-89.9	-2.7	-87.2
-30° to -20°	4.02E+13	430.1	1410.6	-980.5	3.07E+13	486.1	1726.5	-1240.4	9.51E+12	249.0	390.2	-141.2	-18.9	114.1	-132.9	-16.2	152.0	-168.2	-27.6	-8.5	-19.0
-20° to -10°	4.29E+13	886.1	1700.7	-814.7	3.32E+13	933.8	1995.8	-1062.0	9.69E+12	722.5	690.1	32.4	87.0	125.6	-38.6	104.6	157.2	-52.7	27.0	17.3	9.7
-10° to 0°	4.42E+13	2145.3	1433.7	711.6	3.36E+13	2134.6	1569.9	564.8	1.06E+13	2179.0	1002.5	1176.5	369.8	124.0	245.8	372.5	136.6	235.9	361.2	83.9	277.3
0° to 10°	4.42E+13	2033.8	1435.4	598.4	3.41E+13	2154.9	1600.0	554.8	1.01E+13	1623.6	877.7	745.9	106.1	112.6	-6.5	111.0	133.8	-22.8	89.8	40.7	49.1
10° to 20°	4.29E+13	873.2	1485.4	-612.2	3.16E+13	1080.9	1857.8	-776.9	1.13E+13	294.1	447.0	-152.9	5.8	88.9	-83.1	19.7	118.9	-99.2	-33.0	5.2	-38.2
20° to 30°	4.02E+13	456.0	1156.3	-700.3	2.46E+13	556.9	1669.4	-1112.5	1.56E+13	296.7	346.3	-49.6	-21.7	61.1	-82.7	3.7	106.1	-102.4	-61.8	-10.1	-51.7
30° to 40°	3.64E+13	866.1	909.2	-43.0	2.07E+13	1082.3	1245.1	-162.8	1.57E+13	580.2	464.8	115.3	7.3	44.1	-36.8	30.5	80.3	-49.8	-23.5	-3.8	-19.6
40° to 50°	3.14E+13	1026.1	537.6	488.5	1.52E+13	1348.4	633.4	715.0	1.62E+13	723.5	447.6	275.8	56.3	19.7	36.6	98.4	26.4	72.0	16.8	13.4	3.3
50° to 60°	2.55E+13	890.4	451.9	438.5	1.04E+13	1136.9	540.5	596.4	1.50E+13	719.8	390.6	329.2	76.4	7.6	68.8	100.9	-3.5	104.4	59.4	15.4	44.1
60° to 70°	1.88E+13	671.5	324.6	346.9	5.12E+12	845.7	437.5	408.2	1.36E+13	606.1	282.2	323.8	69.2	11.2	58.0	63.8	-9.7	73.5	71.2	19.1	52.2
70° to 80°	1.15E+13	439.6	210.8	228.8	7.12E+12	465.1	252.0	213.1	4.37E+12	398.0	143.6	254.4	92.8	47.6	45.2	96.8	63.7	33.1	86.2	21.4	64.8
80° to 90°	3.86E+12	368.5	131.8	236.7	3.44E+12	362.8	126.5	236.4	4.19E+11	414.9	175.5	239.4	102.1	19.4	82.8	105.7	26.4	79.3	72.7	-38.3	111.0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MIROC3.2_HIRES (Com, Run1) : Change in P
MIROC3.2_HIRES (20C3M, Run1) : E 1970–1999
MIROC3.2_HIRES (A1B, Run1) : E 2070–2099
MIROC3.2_HIRES (Com, Run1) : Change in E
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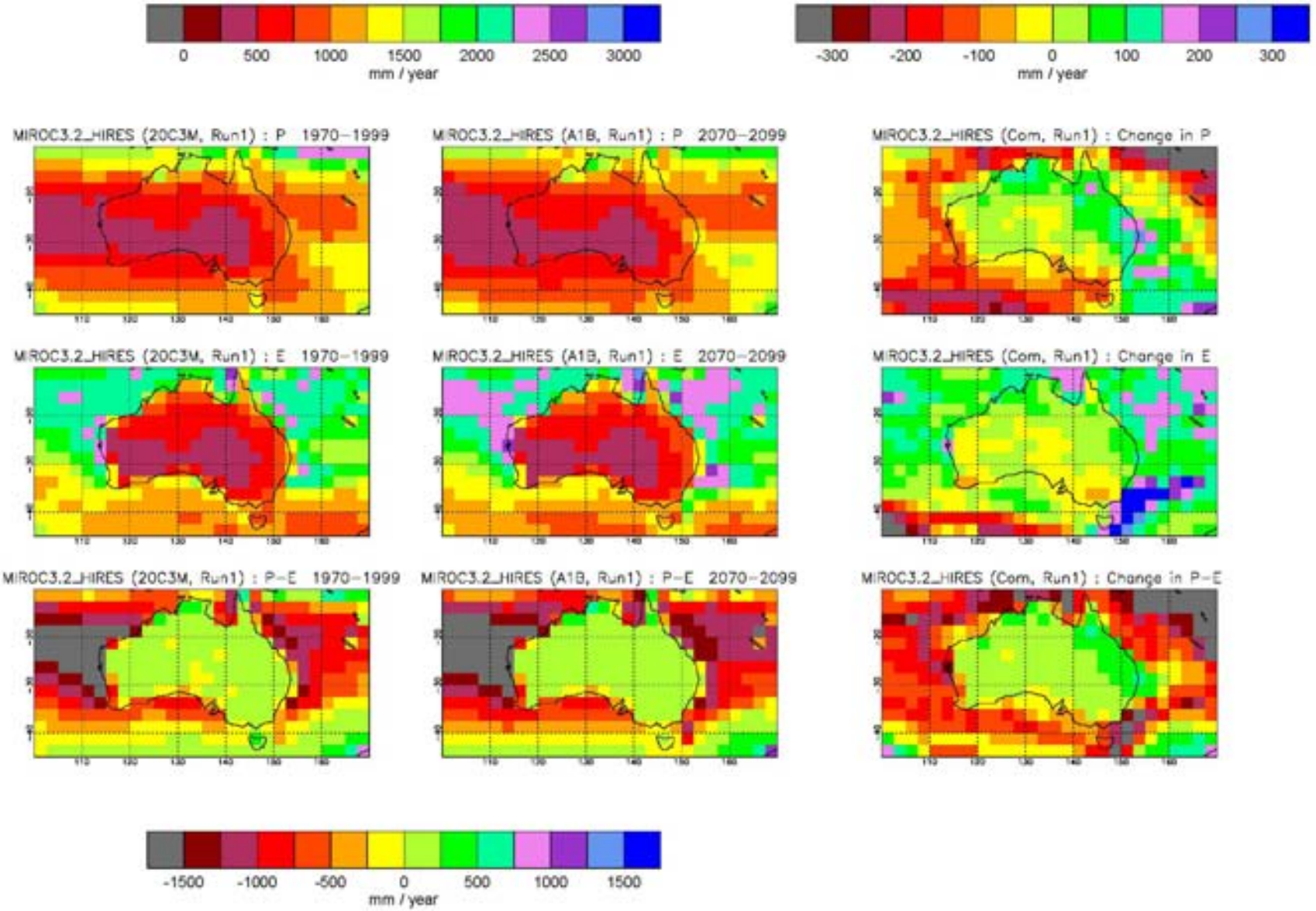
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MIROC3.2_HIRES (A1B, Run1) : P–E 2070–2099
MIROC3.2_HIRES (Com, Run1) : Change in P–E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIROC3.2_HIRES_Set1

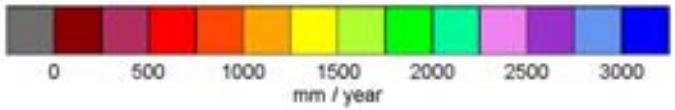
Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	882.0	567.5	314.5	1.47E+14	934.4	600.0	334.4	52.4	32.5	19.8
Australia	7.59E+12	685.3	682.6	2.6	7.59E+12	720.2	696.7	23.5	34.9	14.1	20.8
New Zealand	2.52E+11	1386.5	830.2	556.3	2.52E+11	1512.4	919.7	592.7	125.9	89.5	36.4
South America	1.79E+13	1483.6	985.9	497.6	1.79E+13	1426.1	948.4	477.6	-57.5	-37.5	-20.0
North America	2.35E+13	776.3	461.2	315.2	2.35E+13	835.3	502.8	332.5	59.0	41.7	17.3
Europe	6.67E+12	779.2	584.6	194.6	6.67E+12	810.9	639.6	171.3	31.7	55.0	-23.2
Africa	2.97E+13	1037.4	731.1	306.3	2.97E+13	1066.1	761.4	304.7	28.7	30.3	-1.6
Middle East	4.89E+12	284.1	340.1	-56.0	4.89E+12	267.3	327.9	-60.6	-16.8	-12.2	-4.6
Asia	3.76E+13	669.1	426.0	243.1	3.76E+13	799.8	499.7	300.1	130.7	73.7	57.0
Southeast Asia	4.20E+12	2810.6	1233.1	1577.5	4.20E+12	2852.1	1290.5	1561.6	41.5	57.4	-15.9
Antarctica	1.41E+13	182.4	15.8	166.6	1.41E+13	244.3	19.8	224.4	61.9	4.1	57.8

MIROC3.2_HIRES_Set1

	1970 - 1999 (20C3M, Run1) E' = 0.982525											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1069.9	1069.9	0	3.62E+14	1146.2	1273.9	-127.7	1.47E+14	882.0	567.5	314.5
-90° to -80°	3.86E+12	84.7	5.3	79.4	3.58E+03	77.3	7.5	69.8	3.86E+12	84.7	5.3	79.4
-80° to -70°	1.15E+13	249.0	45.7	203.3	3.29E+12	467.1	130.0	337.1	8.19E+12	161.3	11.8	149.5
-70° to -60°	1.88E+13	711.9	265.9	445.9	1.67E+13	743.0	291.9	451.1	2.03E+12	455.4	52.3	403.2
-60° to -50°	2.55E+13	1084.1	598.1	486.0	2.53E+13	1083.4	597.9	485.5	1.99E+11	1167.5	623.8	543.7
-50° to -40°	3.14E+13	1256.3	895.2	361.1	3.04E+13	1253.6	902.8	350.8	9.51E+11	1343.4	651.5	691.8
-40° to -30°	3.64E+13	1004.0	1248.3	-244.3	3.24E+13	1047.6	1324.0	-276.4	3.96E+12	648.1	630.0	18.1
-30° to -20°	4.02E+13	699.9	1416.0	-716.1	3.10E+13	665.0	1627.0	-961.9	9.25E+12	816.7	709.8	106.9
-20° to -10°	4.29E+13	949.3	1734.4	-785.1	3.36E+13	827.0	1925.9	-1098.8	9.27E+12	1392.5	1040.7	351.7
-10° to 0°	4.42E+13	1822.5	1450.5	372.0	3.41E+13	1728.2	1522.4	205.8	1.02E+13	2138.3	1209.7	928.6
0° to 10°	4.42E+13	2289.3	1414.4	874.9	3.42E+13	2340.0	1492.1	847.9	1.00E+13	2116.2	1149.1	967.1
10° to 20°	4.29E+13	972.6	1522.2	-549.6	3.16E+13	987.2	1811.4	-824.2	1.13E+13	931.6	714.5	217.1
20° to 30°	4.02E+13	662.0	1172.1	-510.2	2.50E+13	671.6	1611.3	-939.7	1.52E+13	646.2	452.5	193.7
30° to 40°	3.64E+13	1015.4	1046.4	-31.0	2.09E+13	1241.8	1409.0	-167.2	1.55E+13	710.8	558.7	152.1
40° to 50°	3.14E+13	998.7	665.6	333.1	1.55E+13	1304.6	841.6	462.9	1.59E+13	701.5	494.5	206.9
50° to 60°	2.55E+13	839.6	515.9	323.7	1.12E+13	1079.1	702.0	377.0	1.43E+13	652.9	370.7	282.2
60° to 70°	1.88E+13	588.2	304.6	283.6	5.55E+12	765.7	507.9	257.9	1.32E+13	513.7	219.3	294.4
70° to 80°	1.15E+13	362.9	189.9	173.0	8.11E+12	401.7	237.8	163.8	3.37E+12	269.8	74.8	195.0
80° to 90°	3.86E+12	239.2	51.3	187.8	3.55E+12	244.0	53.7	190.3	3.07E+11	184.1	24.6	159.5

MIROC3.2_HIRES_Set1

	2070 - 2099 (A1B, Run1) E' = 0.978666												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1139.0	1139.0	0	3.62E+14	1222.0	1357.8	-135.8	1.47E+14	934.4	600.0	334.4	69.1	69.1	0.0	75.8	83.9	-8.0	52.4	32.5	19.8
-90° to -80°	3.86E+12	110.5	7.2	103.3	3.58E+03	197.5	8.6	188.9	3.86E+12	110.5	7.2	103.3	25.8	1.8	23.9	120.2	1.1	119.2	25.8	1.8	23.9
-80° to -70°	1.15E+13	331.2	70.8	260.4	3.29E+12	602.8	209.2	393.6	8.19E+12	222.1	15.2	206.9	82.2	25.1	57.2	135.7	79.2	56.5	60.8	3.3	57.4
-70° to -60°	1.88E+13	888.0	322.0	566.1	1.67E+13	924.2	353.4	570.8	2.03E+12	590.8	63.6	527.2	176.2	56.0	120.2	181.2	61.5	119.7	135.4	11.4	124.0
-60° to -50°	2.55E+13	1248.7	610.1	638.6	2.53E+13	1248.8	609.8	639.0	1.99E+11	1228.7	646.5	582.1	164.6	12.0	152.6	165.4	11.9	153.5	61.2	22.7	38.5
-50° to -40°	3.14E+13	1319.5	976.5	343.0	3.04E+13	1321.4	986.0	335.4	9.51E+11	1260.9	675.0	585.9	63.3	81.4	-18.1	67.8	83.2	-15.4	-82.5	23.5	-105.9
-40° to -30°	3.64E+13	950.7	1304.2	-353.5	3.24E+13	992.7	1389.6	-396.9	3.96E+12	608.2	606.4	1.8	-53.3	55.9	-109.2	-54.9	65.7	-120.6	-39.9	-23.6	-16.2
-30° to -20°	4.02E+13	643.4	1490.7	-847.3	3.10E+13	592.8	1728.3	-1135.5	9.25E+12	812.7	695.1	117.6	-56.6	74.6	-131.2	-72.3	101.3	-173.6	-4.0	-14.7	10.7
-20° to -10°	4.29E+13	865.3	1839.2	-973.9	3.36E+13	735.1	2067.9	-1332.8	9.27E+12	1337.0	1010.5	326.5	-84.0	104.8	-188.8	-91.9	142.1	-234.0	-55.4	-30.2	-25.2
-10° to 0°	4.42E+13	2083.4	1544.1	539.2	3.41E+13	2043.0	1631.0	412.0	1.02E+13	2218.6	1253.2	965.5	260.9	93.6	167.3	314.8	108.6	206.2	80.4	43.5	36.9
0° to 10°	4.42E+13	2542.6	1466.8	1075.8	3.42E+13	2663.7	1544.0	1119.7	1.00E+13	2129.3	1203.5	925.8	253.3	52.5	200.9	323.7	51.9	271.8	13.1	54.4	-41.3
10° to 20°	4.29E+13	942.4	1604.7	-662.3	3.16E+13	938.2	1917.5	-979.3	1.13E+13	954.3	731.5	222.8	-30.2	82.6	-112.7	-49.1	106.1	-155.2	22.7	17.0	5.7
20° to 30°	4.02E+13	642.1	1234.2	-592.1	2.50E+13	618.3	1708.0	-1089.7	1.52E+13	681.0	457.8	223.2	-19.9	62.1	-82.0	-53.3	96.7	-150.0	34.7	5.3	29.4
30° to 40°	3.64E+13	1020.5	1112.6	-92.1	2.09E+13	1234.1	1504.5	-270.3	1.55E+13	733.2	585.6	147.6	5.1	66.2	-61.1	-7.7	95.5	-103.1	22.4	26.9	-4.6
40° to 50°	3.14E+13	1102.3	747.2	355.1	1.55E+13	1438.7	922.9	515.8	1.59E+13	775.2	576.4	198.9	103.6	81.6	22.0	134.2	81.3	52.9	73.8	81.8	-8.1
50° to 60°	2.55E+13	980.9	577.0	403.9	1.12E+13	1223.2	723.7	499.5	1.43E+13	792.0	462.6	329.4	141.3	61.1	80.2	144.1	21.7	122.4	139.1	91.9	47.3
60° to 70°	1.88E+13	727.7	356.7	371.0	5.55E+12	886.5	534.8	351.7	1.32E+13	661.0	281.8	379.2	139.5	52.0	87.4	120.8	26.9	93.9	147.3	62.6	84.7
70° to 80°	1.15E+13	493.7	271.0	222.7	8.11E+12	540.4	342.2	198.2	3.37E+12	381.3	99.9	281.4	130.7	81.1	49.7	138.8	104.3	34.4	111.5	25.1	86.3
80° to 90°	3.86E+12	413.1	183.5	229.6	3.55E+12	422.6	195.8	226.9	3.07E+11	303.1	42.1	261.0	173.9	132.2	41.7	178.6	142.1	36.6	119.1	17.5	101.5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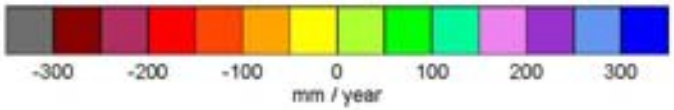
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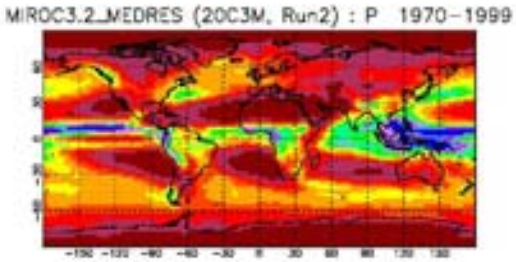
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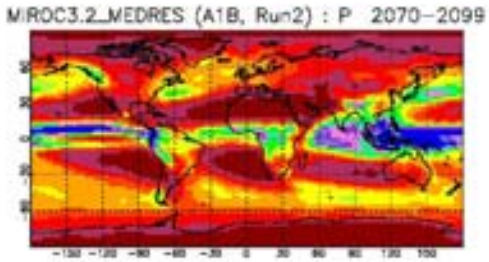
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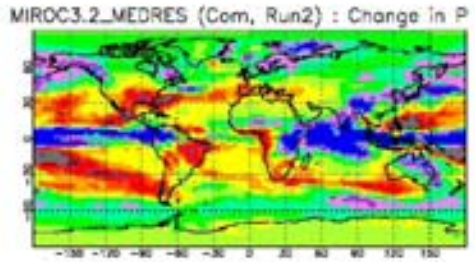
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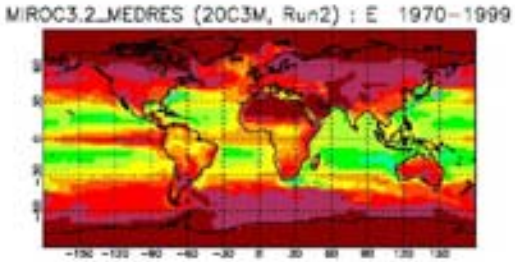
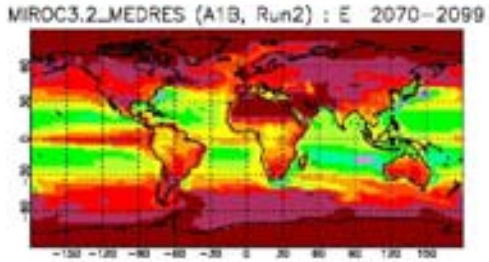
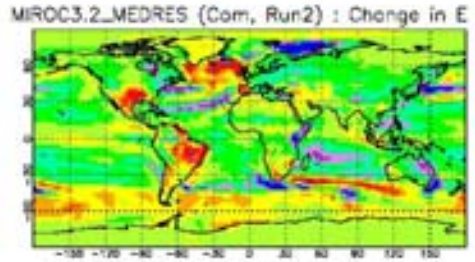
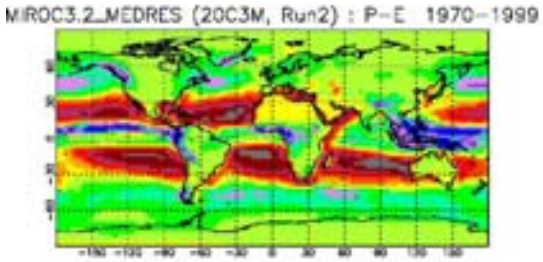
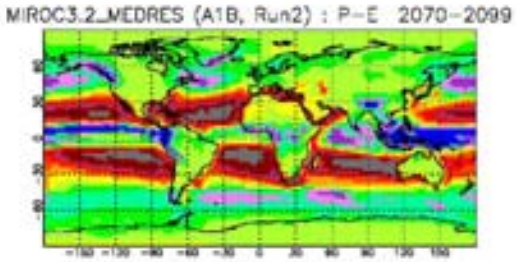
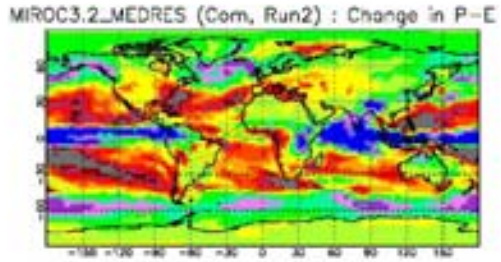

MIROC3.2_MEDRES (20C3M, Run2) : E 1970-1999

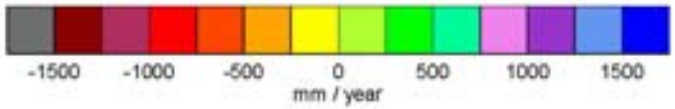

MIROC3.2_MEDRES (A1B, Run2) : E 2070-2099

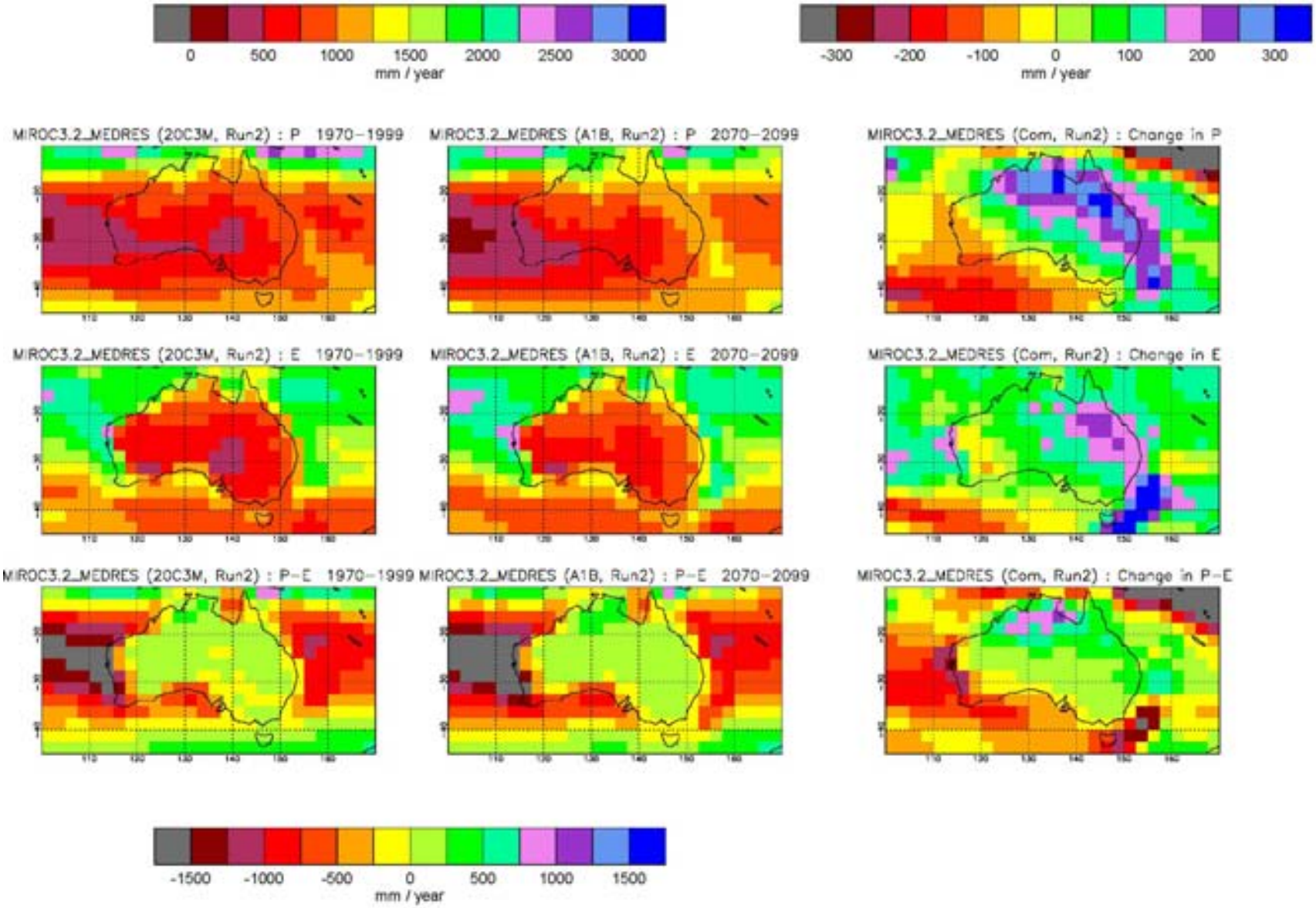

MIROC3.2_MEDRES (Com, Run2) : Change in E


MIROC3.2_MEDRES (20C3M, Run2) : P-E 1970-1999


MIROC3.2_MEDRES (A1B, Run2) : P-E 2070-2099


MIROC3.2_MEDRES (Com, Run2) : Change in P-E


-1500
-1000
-500
0
500
1000
1500
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
MIROC3.2_MEDRES (20C3M, Run2) : P 1970-1999
MIROC3.2_MEDRES (A1B, Run2) : P 2070-2099
MIROC3.2_MEDRES (Com, Run2) : Change in P
MIROC3.2_MEDRES (20C3M, Run2) : E 1970-1999
MIROC3.2_MEDRES (A1B, Run2) : E 2070-2099
MIROC3.2_MEDRES (Com, Run2) : Change in E
MIROC3.2_MEDRES (20C3M, Run2) : P-E 1970-1999
MIROC3.2_MEDRES (A1B, Run2) : P-E 2070-2099
MIROC3.2_MEDRES (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIROC3.2_MEDRES_Set2

Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.46E+14	784.7	565.0	219.8	1.46E+14	846.2	598.2	248.0	61.4	33.3	28.2
Australia	7.66E+12	792.2	803.3	-11.1	7.66E+12	941.9	907.5	34.4	149.7	104.2	45.4
New Zealand	2.86E+11	1322.9	919.0	403.9	2.86E+11	1394.4	971.0	423.4	71.5	52.0	19.5
South America	1.84E+13	1225.5	959.7	265.8	1.84E+13	1197.9	918.3	279.6	-27.6	-41.3	13.8
North America	2.32E+13	666.5	432.6	233.9	2.32E+13	690.4	453.9	236.5	23.9	21.3	2.7
Europe	6.10E+12	707.8	538.5	169.2	6.10E+12	732.5	583.9	148.6	24.8	45.4	-20.7
Africa	2.90E+13	881.3	696.6	184.7	2.90E+13	944.2	738.7	205.5	62.9	42.1	20.8
Middle East	4.92E+12	142.4	233.8	-91.4	4.92E+12	149.1	239.9	-90.8	6.7	6.1	0.5
Asia	3.80E+13	645.0	428.9	216.1	3.80E+13	768.3	495.1	273.2	123.3	66.2	57.2
Southeast Asia	4.51E+12	2370.7	1346.5	1024.2	4.51E+12	2557.8	1388.7	1169.1	187.1	42.2	144.9
Antarctica	1.27E+13	181.1	17.5	163.6	1.27E+13	196.3	19.7	176.7	15.2	2.2	13.0

MIROC3.2_MEDRES_Set2

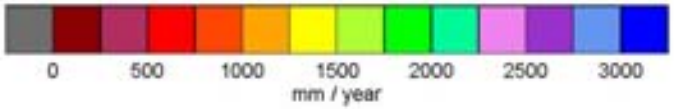
	1970 - 1999 (20C3M, Run2) E' = 0.982605											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	976.3	976.3	0	3.64E+14	1052.9	1140.9	-88.0	1.46E+14	784.7	565.0	219.8
-90° to -80°	3.86E+12	88.9	14.3	74.6	3.00E+11	249.3	85.8	163.6	3.56E+12	75.4	8.3	67.1
-80° to -70°	1.15E+13	267.0	69.5	197.5	3.85E+12	444.8	179.9	265.0	7.64E+12	177.3	13.8	163.5
-70° to -60°	1.88E+13	648.6	310.7	337.9	1.72E+13	666.3	333.1	333.3	1.54E+12	450.1	59.7	390.4
-60° to -50°	2.55E+13	1021.2	509.2	511.9	2.52E+13	1019.7	509.3	510.4	2.56E+11	1168.8	505.3	663.5
-50° to -40°	3.14E+13	1157.8	691.0	466.8	3.05E+13	1156.5	691.7	464.8	9.30E+11	1202.9	667.7	535.3
-40° to -30°	3.64E+13	809.7	1113.4	-303.7	3.23E+13	839.5	1171.6	-332.2	4.07E+12	573.8	652.0	-78.1
-30° to -20°	4.02E+13	593.2	1349.6	-756.4	3.10E+13	543.2	1532.9	-989.7	9.18E+12	762.4	729.9	32.5
-20° to -10°	4.29E+13	914.9	1581.1	-666.2	3.34E+13	833.7	1742.1	-908.5	9.53E+12	1199.3	1017.3	182.0
-10° to 0°	4.42E+13	1649.1	1330.5	318.6	3.42E+13	1618.3	1370.9	247.4	1.00E+13	1754.3	1192.4	561.9
0° to 10°	4.42E+13	2060.1	1308.4	751.8	3.39E+13	2148.3	1361.6	786.6	1.03E+13	1770.7	1133.4	637.3
10° to 20°	4.29E+13	1050.7	1425.5	-374.8	3.20E+13	1123.2	1663.1	-539.9	1.09E+13	838.0	728.2	109.9
20° to 30°	4.02E+13	547.1	1110.4	-563.3	2.54E+13	561.4	1506.1	-944.7	1.48E+13	522.5	430.2	92.3
30° to 40°	3.64E+13	851.0	958.8	-107.8	2.10E+13	1025.6	1269.1	-243.5	1.53E+13	611.6	533.3	78.3
40° to 50°	3.14E+13	918.7	582.5	336.2	1.59E+13	1176.8	666.3	510.5	1.55E+13	654.6	496.7	157.8
50° to 60°	2.55E+13	827.2	445.3	381.9	1.11E+13	1021.0	539.1	481.9	1.43E+13	676.3	372.3	304.0
60° to 70°	1.88E+13	572.4	265.4	307.0	5.27E+12	739.2	415.2	324.0	1.35E+13	507.2	206.8	300.4
70° to 80°	1.15E+13	292.1	98.1	194.0	7.68E+12	313.7	110.2	203.5	3.80E+12	248.5	73.6	174.9
80° to 90°	3.86E+12	183.9	49.2	134.7	3.44E+12	188.1	51.9	136.1	4.13E+11	149.4	26.6	122.8

MIROC3.2_MEDRES_Set2

	2070 - 2099 (A1B, Run2) E' = 0.979683												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1024.2	1024.2	0	3.64E+14	1095.4	1194.6	-99.2	1.46E+14	846.2	598.2	248.0	47.9	47.9	0.0	42.5	53.7	-11.3	61.4	33.3	28.2
-90° to -80°	3.86E+12	100.7	18.9	81.8	3.00E+11	278.2	105.6	172.6	3.56E+12	85.7	11.6	74.1	11.8	4.6	7.2	28.9	19.8	9.1	10.3	3.3	7.0
-80° to -70°	1.15E+13	292.0	73.3	218.7	3.85E+12	489.0	187.7	301.4	7.64E+12	192.7	15.6	177.1	25.0	3.8	21.2	44.2	7.8	36.4	15.4	1.8	13.6
-70° to -60°	1.88E+13	741.3	301.9	439.4	1.72E+13	765.0	323.3	441.6	1.54E+12	476.1	61.0	415.1	92.7	-8.8	101.5	98.6	-9.7	108.4	26.0	1.3	24.7
-60° to -50°	2.55E+13	1143.5	482.9	660.6	2.52E+13	1142.8	482.7	660.1	2.56E+11	1215.8	506.7	709.1	122.4	-26.3	148.7	123.1	-26.6	149.7	47.1	1.4	45.7
-50° to -40°	3.14E+13	1158.1	714.7	443.4	3.05E+13	1159.9	716.5	443.4	9.30E+11	1101.1	655.7	445.3	0.3	23.7	-23.4	3.4	24.8	-21.4	-101.9	-11.9	-90.0
-40° to -30°	3.64E+13	749.5	1165.9	-416.4	3.23E+13	771.1	1228.3	-457.2	4.07E+12	578.7	671.8	-93.1	-60.2	52.5	-112.7	-68.4	56.6	-125.0	4.9	19.9	-14.9
-30° to -20°	4.02E+13	560.2	1426.5	-866.3	3.10E+13	490.2	1623.0	-1132.8	9.18E+12	797.0	762.3	34.8	-33.0	76.9	-109.9	-53.0	90.1	-143.1	34.7	32.4	2.3
-20° to -10°	4.29E+13	862.0	1656.7	-794.6	3.34E+13	766.3	1840.9	-1074.6	9.53E+12	1197.2	1011.8	185.4	-52.9	75.6	-128.5	-67.4	98.8	-166.2	-2.0	-5.4	3.4
-10° to 0°	4.42E+13	1814.3	1377.9	436.3	3.42E+13	1808.0	1428.1	379.9	1.00E+13	1835.6	1206.3	629.3	165.2	47.5	117.8	189.7	57.2	132.5	81.3	13.9	67.4
0° to 10°	4.42E+13	2278.5	1347.9	930.6	3.39E+13	2389.6	1401.6	988.1	1.03E+13	1913.7	1171.7	742.0	218.4	39.6	178.8	241.4	39.9	201.4	143.0	38.3	104.7
10° to 20°	4.29E+13	1038.0	1490.2	-452.2	3.20E+13	1076.8	1729.7	-652.9	1.09E+13	924.2	787.1	137.1	-12.7	64.7	-77.4	-46.4	66.6	-113.0	86.1	58.9	27.2
20° to 30°	4.02E+13	536.5	1174.3	-637.8	2.54E+13	514.6	1600.9	-1086.3	1.48E+13	574.1	440.7	133.4	-10.6	63.8	-74.4	-46.8	94.9	-141.6	51.6	10.5	41.1
30° to 40°	3.64E+13	846.9	1008.3	-161.4	2.10E+13	1005.1	1343.7	-338.5	1.53E+13	630.1	548.6	81.5	-4.0	49.5	-53.6	-20.5	74.6	-95.0	18.5	15.2	3.2
40° to 50°	3.14E+13	988.1	653.9	334.2	1.59E+13	1276.5	742.1	534.4	1.55E+13	692.9	563.6	129.3	69.4	71.4	-2.0	99.7	75.7	24.0	38.3	66.9	-28.6
50° to 60°	2.55E+13	943.5	491.8	451.8	1.11E+13	1144.2	542.2	602.0	1.43E+13	787.3	452.5	334.8	116.4	46.4	69.9	123.2	3.1	120.1	111.0	80.2	30.8
60° to 70°	1.88E+13	696.0	309.8	386.3	5.27E+12	857.5	443.4	414.1	1.35E+13	632.9	257.5	375.4	123.6	44.4	79.3	118.3	28.2	90.0	125.7	50.7	75.0
70° to 80°	1.15E+13	411.1	175.3	235.7	7.68E+12	448.0	216.8	231.2	3.80E+12	336.6	91.6	245.0	119.0	77.2	41.7	134.3	106.6	27.7	88.1	18.0	70.1
80° to 90°	3.86E+12	264.5	61.2	203.3	3.44E+12	270.3	65.8	204.5	4.13E+11	215.8	22.9	192.9	80.5	12.0	68.6	82.2	13.9	68.4	66.4	-3.7	70.1

MIROC3.2_MEDRES_Set2

	2070 - 2099 (A2, Run2) E' = 0.979521												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1014.2	1014.2	0	3.64E+14	1082.6	1182.4	-99.8	1.46E+14	843.3	593.9	249.4	38.0	38.0	0.0	29.7	41.6	-11.9	58.6	29.0	29.6
-90° to -80°	3.86E+12	103.6	19.9	83.7	3.00E+11	280.1	110.4	169.7	3.56E+12	88.7	12.3	76.4	14.7	5.6	9.1	30.8	24.6	6.2	13.3	4.0	9.3
-80° to -70°	1.15E+13	293.3	71.0	222.4	3.85E+12	493.9	180.7	313.3	7.64E+12	192.2	15.7	176.5	26.4	1.5	24.9	49.1	0.8	48.3	14.9	1.9	13.0
-70° to -60°	1.88E+13	743.6	299.1	444.5	1.72E+13	768.3	320.4	447.9	1.54E+12	466.6	60.4	406.2	95.0	-11.6	106.5	102.0	-12.7	114.6	16.5	0.7	15.8
-60° to -50°	2.55E+13	1149.5	474.5	675.0	2.52E+13	1148.7	474.2	674.5	2.56E+11	1229.3	504.7	724.6	128.4	-34.7	163.1	129.1	-35.0	164.1	60.6	-0.6	61.1
-50° to -40°	3.14E+13	1153.9	710.8	443.1	3.05E+13	1156.0	712.6	443.3	9.30E+11	1085.0	649.9	435.1	-4.0	19.8	-23.8	-0.5	20.9	-21.4	-117.9	-17.7	-100.2
-40° to -30°	3.64E+13	730.1	1162.2	-432.2	3.23E+13	750.9	1225.0	-474.1	4.07E+12	565.1	665.0	-99.8	-79.6	48.8	-128.5	-88.6	53.3	-141.9	-8.7	13.0	-21.7
-30° to -20°	4.02E+13	552.2	1427.7	-875.4	3.10E+13	486.2	1627.5	-1141.3	9.18E+12	775.6	752.0	23.6	-41.0	78.1	-119.0	-57.0	94.6	-151.6	13.2	22.1	-8.9
-20° to -10°	4.29E+13	854.0	1649.6	-795.6	3.34E+13	758.1	1831.8	-1073.6	9.53E+12	1189.8	1012.1	177.7	-60.9	68.6	-129.4	-75.6	89.6	-165.2	-9.4	-5.1	-4.3
-10° to 0°	4.42E+13	1821.9	1353.8	468.1	3.42E+13	1816.7	1399.8	416.9	1.00E+13	1839.3	1196.3	643.0	172.8	23.3	149.5	198.5	29.0	169.5	85.0	3.9	81.1
0° to 10°	4.42E+13	2242.4	1315.4	927.1	3.39E+13	2357.6	1369.5	988.1	1.03E+13	1864.2	1137.7	726.6	182.3	7.0	175.3	209.3	7.8	201.5	93.5	4.3	89.3
10° to 20°	4.29E+13	1015.1	1469.7	-454.6	3.20E+13	1039.0	1701.1	-662.1	1.09E+13	944.9	790.5	154.4	-35.6	44.2	-79.8	-84.2	38.0	-122.2	106.9	62.4	44.5
20° to 30°	4.02E+13	521.1	1162.2	-641.1	2.54E+13	488.5	1584.9	-1096.4	1.48E+13	577.1	435.6	141.5	-26.0	51.8	-77.8	-72.9	78.8	-151.7	54.6	5.4	49.3
30° to 40°	3.64E+13	821.5	997.2	-175.6	2.10E+13	960.7	1325.3	-364.6	1.53E+13	630.8	547.4	83.5	-29.4	38.4	-67.8	-64.9	56.2	-121.1	19.2	14.0	5.2
40° to 50°	3.14E+13	974.3	651.1	323.2	1.59E+13	1261.1	740.4	520.7	1.55E+13	680.7	559.6	121.0	55.5	68.6	-13.0	84.3	74.1	10.2	26.1	62.9	-36.8
50° to 60°	2.55E+13	948.3	495.9	452.4	1.11E+13	1150.2	546.5	603.7	1.43E+13	791.0	456.5	334.6	121.1	50.6	70.5	129.2	7.4	121.8	114.8	84.2	30.6
60° to 70°	1.88E+13	707.9	313.5	394.4	5.27E+12	864.2	453.8	410.5	1.35E+13	646.7	258.7	388.1	135.5	48.1	87.3	125.1	38.6	86.5	139.5	51.8	87.7
70° to 80°	1.15E+13	418.0	168.9	249.1	7.68E+12	449.8	207.8	242.0	3.80E+12	353.6	90.3	263.3	125.8	70.8	55.1	136.1	97.6	38.5	105.1	16.6	88.4
80° to 90°	3.86E+12	269.0	60.9	208.1	3.44E+12	273.8	65.5	208.3	4.13E+11	228.9	22.4	206.6	85.1	11.6	73.4	85.7	13.6	72.2	79.5	-4.3	83.8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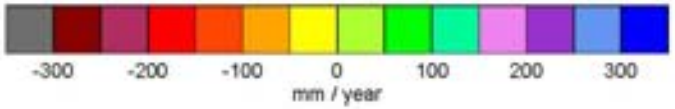
mm / year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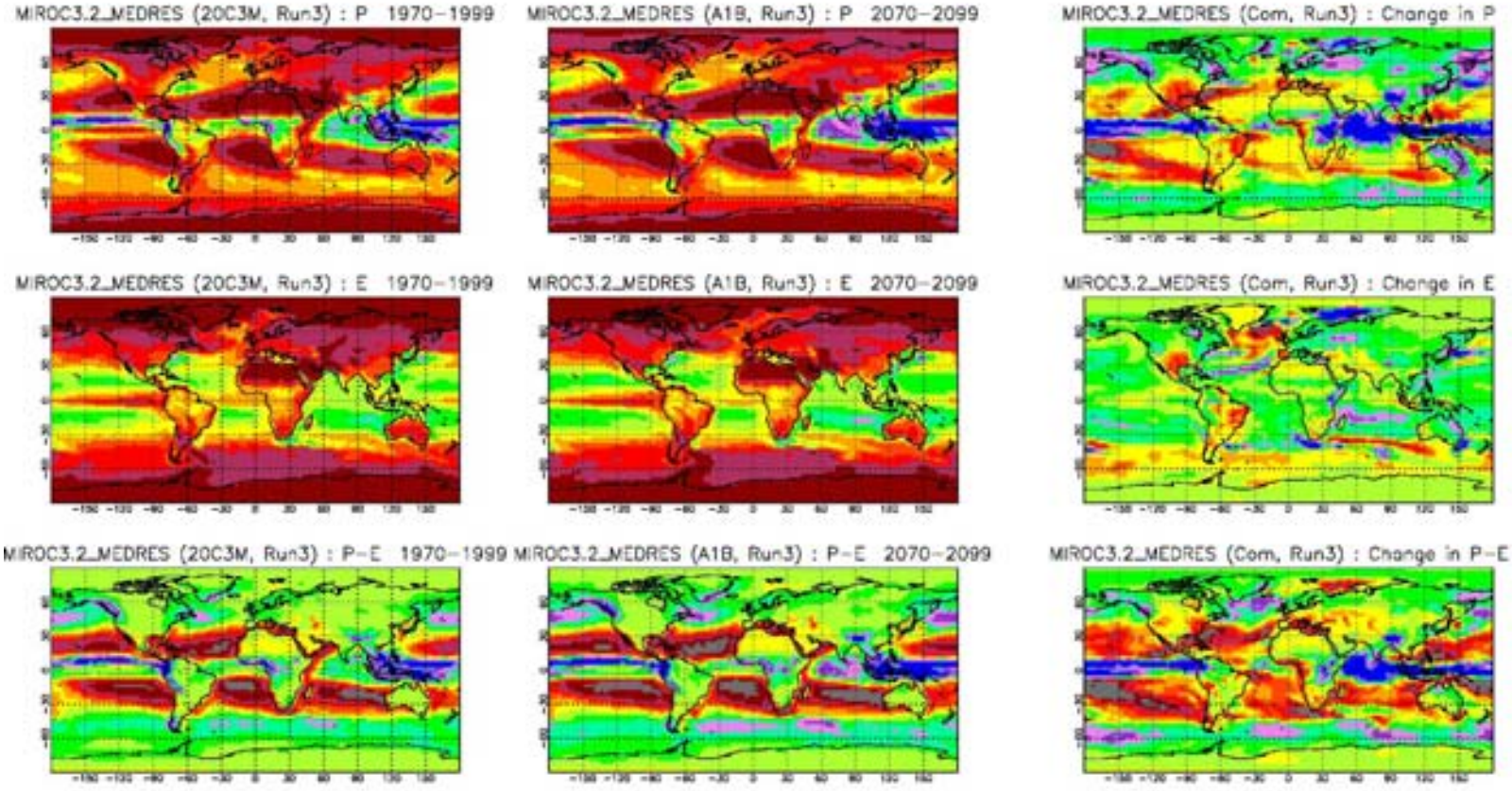
mm / year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MIROC3.2_MEDRES (A1B, Run3) : P 2070-2099
MIROC3.2_MEDRES (Com, Run3) : Change in P
MIROC3.2_MEDRES (20C3M, Run3) : E 1970-1999
MIROC3.2_MEDRES (A1B, Run3) : E 2070-2099
MIROC3.2_MEDRES (Com, Run3) : Change in E
MIROC3.2_MEDRES (20C3M, Run3) : P-E 1970-1999
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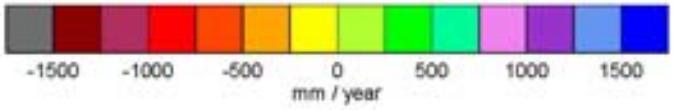
MIROC3.2_MEDRES (Com, Run3) : Change in P-E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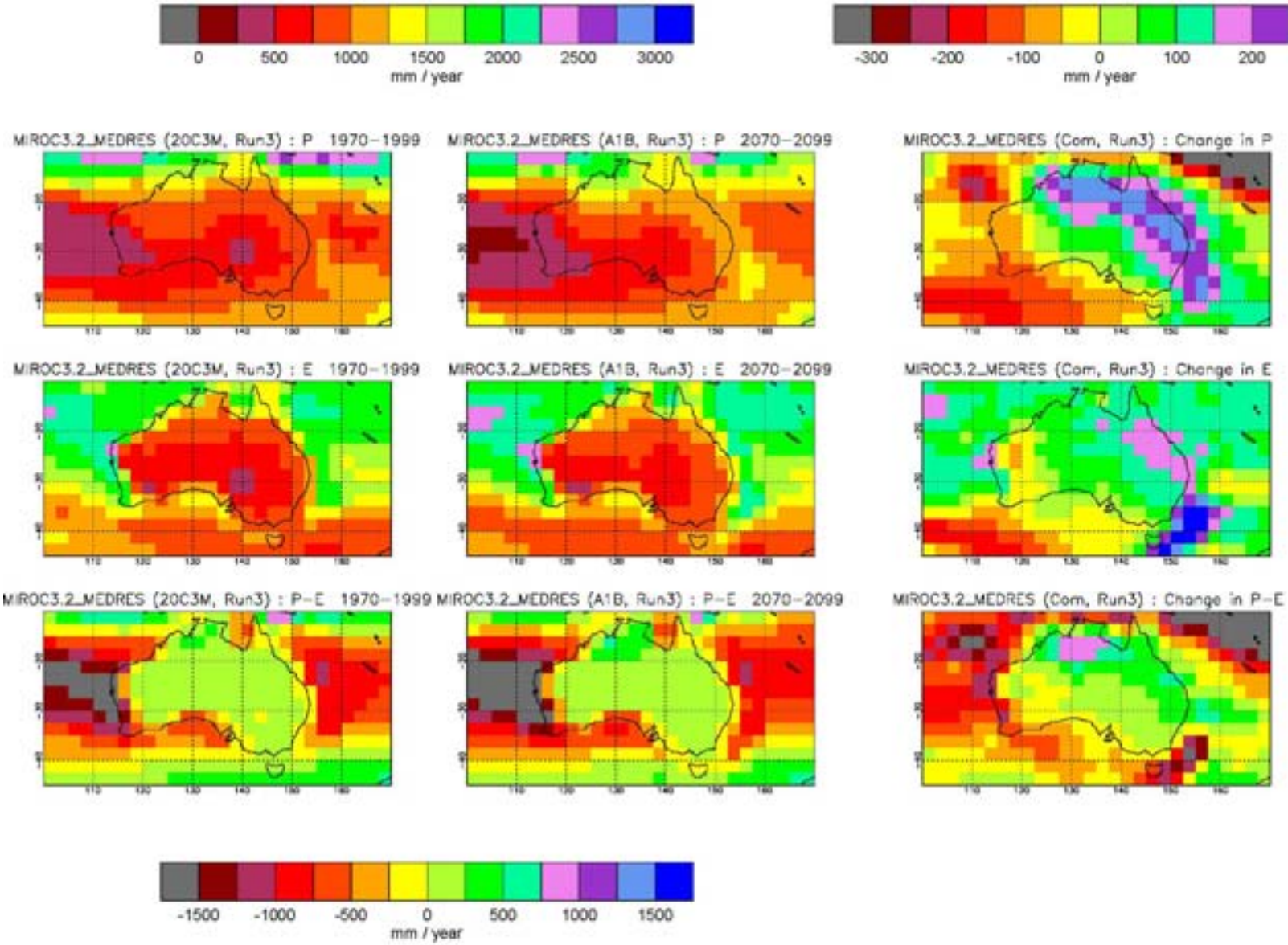
mm / year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MIROC3.2_MEDRES (20C3M, Run3) : E 1970–1999
MIROC3.2_MEDRES (A1B, Run3) : E 2070–2099
MIROC3.2_MEDRES (Com, Run3) : Change in E
MIROC3.2_MEDRES (20C3M, Run3) : P–E 1970–1999
MIROC3.2_MEDRES (A1B, Run3) : P–E 2070–2099
MIROC3.2_MEDRES (Com, Run3) : Change in P–E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIROC3.2_MEDRES_Set3

Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.46E+14	792.6	569.7	222.8	1.46E+14	853.3	602.3	251.0	60.7	32.6	28.1
Australia	7.66E+12	841.0	831.1	9.9	7.66E+12	965.8	917.1	48.7	124.8	86.0	38.7
New Zealand	2.86E+11	1315.7	925.1	390.6	2.86E+11	1405.1	961.6	443.5	89.4	36.5	52.9
South America	1.84E+13	1227.8	964.5	263.3	1.84E+13	1218.4	937.9	280.5	-9.4	-26.6	17.2
North America	2.32E+13	667.6	434.6	232.9	2.32E+13	701.1	458.5	242.6	33.6	23.9	9.7
Europe	6.10E+12	703.7	541.1	162.6	6.10E+12	725.1	583.8	141.3	21.3	42.7	-21.4
Africa	2.90E+13	892.6	702.7	189.9	2.90E+13	950.1	737.5	212.6	57.5	34.8	22.7
Middle East	4.92E+12	142.2	235.3	-93.1	4.92E+12	151.0	241.1	-90.1	8.7	5.7	3.0
Asia	3.80E+13	653.2	432.5	220.7	3.80E+13	768.6	497.8	270.8	115.4	65.3	50.1
Southeast Asia	4.51E+12	2399.2	1350.5	1048.7	4.51E+12	2574.4	1386.0	1188.5	175.2	35.5	139.7
Antarctica	1.27E+13	179.5	16.9	162.5	1.27E+13	196.8	19.4	177.4	17.4	2.5	14.9

MIROC3.2_MEDRES_Set3

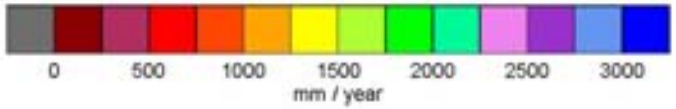
	1970 - 1999 (20C3M, Run3) E' = 0.982705											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	978.3	978.3	0	3.64E+14	1052.7	1141.9	-89.2	1.46E+14	792.6	569.7	222.8
-90° to -80°	3.86E+12	86.7	14.1	72.6	3.00E+11	239.1	83.1	156.0	3.56E+12	73.9	8.3	65.6
-80° to -70°	1.15E+13	266.6	68.9	197.6	3.85E+12	443.2	179.0	264.2	7.64E+12	177.5	13.5	164.1
-70° to -60°	1.88E+13	647.4	307.8	339.6	1.72E+13	666.0	330.2	335.8	1.54E+12	438.6	56.4	382.2
-60° to -50°	2.55E+13	1025.0	509.8	515.2	2.52E+13	1023.7	509.9	513.9	2.56E+11	1151.1	507.6	643.5
-50° to -40°	3.14E+13	1157.9	693.7	464.2	3.05E+13	1156.3	694.3	462.0	9.30E+11	1213.2	675.2	538.0
-40° to -30°	3.64E+13	807.3	1120.3	-313.1	3.23E+13	834.9	1178.0	-343.0	4.07E+12	587.7	663.5	-75.8
-30° to -20°	4.02E+13	598.8	1351.9	-753.0	3.10E+13	542.8	1530.5	-987.6	9.18E+12	788.3	748.1	40.2
-20° to -10°	4.29E+13	927.9	1583.1	-655.2	3.34E+13	846.5	1742.4	-895.9	9.53E+12	1212.6	1025.3	187.3
-10° to 0°	4.42E+13	1645.1	1326.8	318.3	3.42E+13	1612.7	1365.8	246.9	1.00E+13	1755.9	1193.4	562.6
0° to 10°	4.42E+13	2053.3	1307.6	745.7	3.39E+13	2134.8	1359.3	775.5	1.03E+13	1785.9	1138.0	647.9
10° to 20°	4.29E+13	1047.1	1427.9	-380.8	3.20E+13	1110.7	1663.5	-552.8	1.09E+13	860.5	736.4	124.1
20° to 30°	4.02E+13	556.2	1112.6	-556.4	2.54E+13	567.0	1504.0	-937.0	1.48E+13	537.6	439.6	98.0
30° to 40°	3.64E+13	859.4	961.8	-102.3	2.10E+13	1031.4	1271.0	-239.6	1.53E+13	623.7	537.9	85.7
40° to 50°	3.14E+13	922.5	594.8	327.7	1.59E+13	1181.0	685.2	495.8	1.55E+13	657.9	502.2	155.7
50° to 60°	2.55E+13	825.4	444.1	381.4	1.11E+13	1028.9	540.0	488.9	1.43E+13	666.9	369.3	297.6
60° to 70°	1.88E+13	572.8	265.0	307.8	5.27E+12	745.1	411.9	333.2	1.35E+13	505.4	207.5	297.9
70° to 80°	1.15E+13	303.9	109.8	194.0	7.68E+12	329.6	128.2	201.4	3.80E+12	251.9	72.7	179.2
80° to 90°	3.86E+12	194.1	49.9	144.1	3.44E+12	198.3	52.8	145.5	4.13E+11	158.9	26.1	132.8

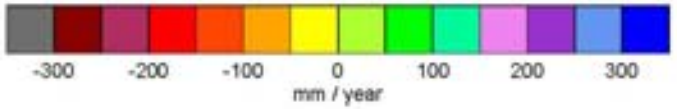
MIROC3.2_MEDRES_Set3

	2070 - 2099 (A1B, Run3) E' = 0.979767												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1025.9	1025.9	0	3.64E+14	1095.0	1195.4	-100.5	1.46E+14	853.3	602.3	251.0	47.6	47.6	0.0	42.3	53.6	-11.3	60.7	32.6	28.1
-90° to -80°	3.86E+12	100.2	18.8	81.4	3.00E+11	272.0	104.8	167.2	3.56E+12	85.7	11.6	74.2	13.5	4.7	8.8	32.9	21.6	11.2	11.9	3.3	8.6
-80° to -70°	1.15E+13	290.8	71.7	219.1	3.85E+12	485.6	183.2	302.4	7.64E+12	192.6	15.4	177.1	24.2	2.7	21.5	42.4	4.2	38.2	15.0	2.0	13.1
-70° to -60°	1.88E+13	741.0	301.4	439.6	1.72E+13	764.2	323.0	441.2	1.54E+12	480.8	59.8	421.0	93.6	-6.4	100.0	98.2	-7.2	105.5	42.2	3.4	38.8
-60° to -50°	2.55E+13	1139.3	482.8	656.5	2.52E+13	1138.4	482.6	655.8	2.56E+11	1225.4	505.6	719.8	114.3	-27.0	141.3	114.7	-27.3	141.9	74.3	-2.0	76.3
-50° to -40°	3.14E+13	1161.6	711.7	449.9	3.05E+13	1163.6	713.6	450.0	9.30E+11	1097.5	650.7	446.8	3.7	18.0	-14.3	7.3	19.3	-12.0	-115.7	-24.6	-91.1
-40° to -30°	3.64E+13	751.7	1164.7	-413.0	3.23E+13	772.9	1226.9	-454.0	4.07E+12	583.7	671.6	-87.9	-55.5	44.4	-99.9	-62.0	49.0	-111.0	-4.1	8.1	-12.2
-30° to -20°	4.02E+13	558.9	1431.4	-872.5	3.10E+13	484.1	1627.0	-1143.0	9.18E+12	811.9	769.8	42.2	-39.9	79.5	-119.4	-58.7	96.6	-155.3	23.6	21.7	1.9
-20° to -10°	4.29E+13	859.2	1665.1	-806.0	3.34E+13	755.0	1847.4	-1092.4	9.53E+12	1223.9	1027.3	196.6	-68.7	82.1	-150.7	-91.5	104.9	-196.5	11.3	2.0	9.4
-10° to 0°	4.42E+13	1811.7	1379.5	432.2	3.42E+13	1798.9	1427.3	371.5	1.00E+13	1855.6	1215.7	639.9	166.6	52.7	113.9	186.2	61.6	124.6	99.6	22.3	77.3
0° to 10°	4.42E+13	2283.0	1350.3	932.7	3.39E+13	2392.8	1402.5	990.4	1.03E+13	1922.3	1179.2	743.1	229.7	42.7	186.9	258.1	43.2	214.9	136.3	41.2	95.1
10° to 20°	4.29E+13	1046.3	1488.9	-442.6	3.20E+13	1085.4	1727.6	-642.2	1.09E+13	931.7	788.4	143.3	-0.8	61.0	-61.8	-25.3	64.1	-89.4	71.1	52.0	19.2
20° to 30°	4.02E+13	540.1	1172.4	-632.3	2.54E+13	522.7	1600.5	-1077.7	1.48E+13	569.9	436.3	133.7	-16.1	59.8	-75.9	-44.3	96.5	-140.7	32.4	-3.3	35.7
30° to 40°	3.64E+13	847.6	1009.4	-161.8	2.10E+13	1003.3	1341.3	-338.0	1.53E+13	634.1	554.4	79.7	-11.9	47.6	-59.5	-28.2	70.3	-98.5	10.4	16.5	-6.0
40° to 50°	3.14E+13	988.5	657.0	331.4	1.59E+13	1277.1	745.6	531.5	1.55E+13	693.0	566.4	126.6	66.0	62.2	3.7	96.1	60.4	35.7	35.1	64.1	-29.1
50° to 60°	2.55E+13	951.3	495.7	455.6	1.11E+13	1148.1	541.3	606.8	1.43E+13	798.0	460.2	337.8	125.9	51.7	74.2	119.2	1.3	117.9	131.1	90.9	40.2
60° to 70°	1.88E+13	700.9	312.1	388.8	5.27E+12	860.7	446.6	414.0	1.35E+13	638.4	259.4	379.0	128.1	47.1	81.0	115.5	34.7	80.8	133.0	51.9	81.1
70° to 80°	1.15E+13	415.9	187.2	228.7	7.68E+12	453.4	234.6	218.7	3.80E+12	340.3	91.4	248.9	112.0	77.3	34.7	123.7	106.4	17.3	88.4	18.7	69.7
80° to 90°	3.86E+12	272.8	68.2	204.6	3.44E+12	278.7	73.5	205.2	4.13E+11	223.5	23.7	199.8	78.7	18.2	60.5	80.4	20.7	59.7	64.6	-2.4	67.0

MIROC3.2_MEDRES_Set3

	2070 - 2099 (A2, Run3) E' = 0.979524												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1015.2	1015.2	0	3.64E+14	1080.8	1182.3	-101.5	1.46E+14	851.4	597.8	253.7	36.9	36.9	0.0	28.1	40.5	-12.3	58.8	28.0	30.8
-90° to -80°	3.86E+12	104.9	19.9	85.0	3.00E+11	283.7	110.1	173.6	3.56E+12	89.9	12.3	77.6	18.2	5.7	12.5	44.5	26.9	17.6	16.0	4.0	12.0
-80° to -70°	1.15E+13	301.8	79.4	222.4	3.85E+12	508.2	204.1	304.2	7.64E+12	197.8	16.5	181.3	35.3	10.4	24.8	65.0	25.1	40.0	20.2	3.0	17.2
-70° to -60°	1.88E+13	750.9	303.8	447.0	1.72E+13	775.6	325.4	450.2	1.54E+12	473.9	62.1	411.7	103.5	-4.0	107.5	109.6	-4.9	114.4	35.2	5.7	29.6
-60° to -50°	2.55E+13	1155.3	478.2	677.0	2.52E+13	1154.5	478.0	676.5	2.56E+11	1229.4	496.3	733.1	130.2	-31.6	161.9	130.8	-31.8	162.6	78.3	-11.3	89.6
-50° to -40°	3.14E+13	1149.7	715.6	434.1	3.05E+13	1152.0	717.8	434.2	9.30E+11	1076.7	646.0	430.7	-8.2	22.0	-30.2	-4.3	23.5	-27.8	-136.5	-29.2	-107.3
-40° to -30°	3.64E+13	734.4	1160.5	-426.1	3.23E+13	754.4	1222.9	-468.5	4.07E+12	576.0	665.4	-89.4	-72.8	40.2	-113.0	-80.5	45.0	-125.5	-11.7	1.9	-13.7
-30° to -20°	4.02E+13	565.4	1431.1	-865.7	3.10E+13	491.8	1626.7	-1134.9	9.18E+12	814.3	769.8	44.5	-33.4	79.3	-112.7	-51.0	96.3	-147.3	26.0	21.7	4.3
-20° to -10°	4.29E+13	867.3	1646.2	-779.0	3.34E+13	766.8	1824.2	-1057.4	9.53E+12	1219.1	1023.5	195.6	-60.6	63.2	-123.7	-79.8	81.7	-161.5	6.5	-1.8	8.4
-10° to 0°	4.42E+13	1829.3	1349.7	479.6	3.42E+13	1823.6	1395.0	428.6	1.00E+13	1848.9	1194.8	654.1	184.2	22.9	161.3	210.9	29.2	181.7	93.0	1.4	91.6
0° to 10°	4.42E+13	2218.2	1315.5	902.8	3.39E+13	2324.5	1369.5	955.0	1.03E+13	1869.0	1137.8	731.2	164.9	7.8	157.0	189.8	10.3	179.5	83.1	-0.2	83.3
10° to 20°	4.29E+13	1021.7	1475.0	-453.3	3.20E+13	1036.6	1704.0	-667.5	1.09E+13	978.2	802.9	175.3	-25.4	47.1	-72.5	-74.1	40.6	-114.7	117.6	66.5	51.2
20° to 30°	4.02E+13	513.6	1164.4	-650.8	2.54E+13	481.1	1586.8	-1105.7	1.48E+13	569.5	438.2	131.2	-42.6	51.8	-94.4	-85.9	82.8	-168.6	31.9	-1.4	33.3
30° to 40°	3.64E+13	814.3	996.8	-182.5	2.10E+13	945.8	1323.3	-377.5	1.53E+13	634.1	549.3	84.8	-45.1	35.0	-80.2	-85.7	52.3	-138.0	10.4	11.4	-1.0
40° to 50°	3.14E+13	976.8	654.5	322.2	1.59E+13	1258.5	741.1	517.4	1.55E+13	688.3	565.9	122.4	54.3	59.8	-5.5	77.6	55.9	21.6	30.4	63.7	-33.3
50° to 60°	2.55E+13	944.8	490.7	454.1	1.11E+13	1150.7	536.2	614.5	1.43E+13	784.4	455.3	329.1	119.4	46.6	72.7	121.8	-3.9	125.6	117.5	86.0	31.5
60° to 70°	1.88E+13	706.6	310.9	395.7	5.27E+12	862.0	443.8	418.2	1.35E+13	645.9	259.0	386.9	133.8	45.9	87.9	116.8	31.8	85.0	140.4	51.4	89.0
70° to 80°	1.15E+13	421.6	177.2	244.4	7.68E+12	456.9	219.4	237.5	3.80E+12	350.3	92.2	258.1	117.7	67.4	50.3	127.3	91.1	36.1	98.4	19.5	78.9
80° to 90°	3.86E+12	276.9	64.1	212.8	3.44E+12	281.7	69.1	212.6	4.13E+11	236.8	22.7	214.1	82.8	14.2	68.6	83.4	16.3	67.1	77.9	-3.4	81.3


0
500
1000
1500
2000
2500
3000
mm / year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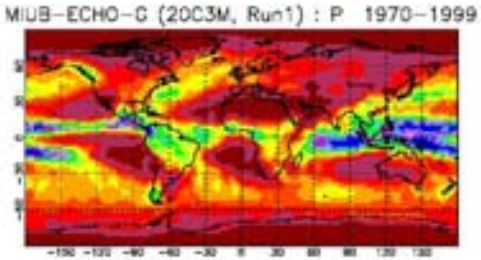
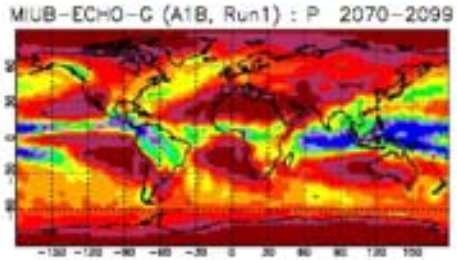
0
100
200
300
mm / year


MIUB-ECHO-G (20C3M, Run1) : P 1970-1999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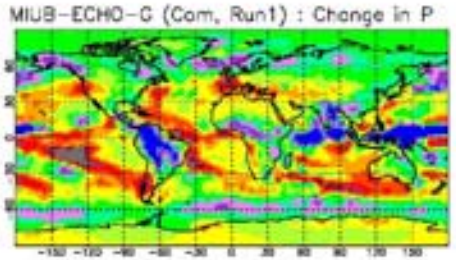
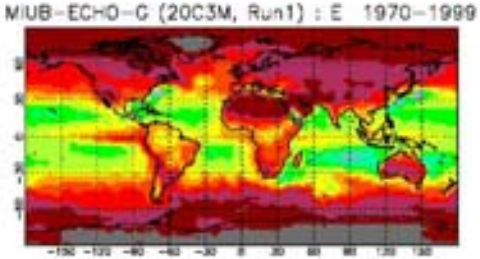
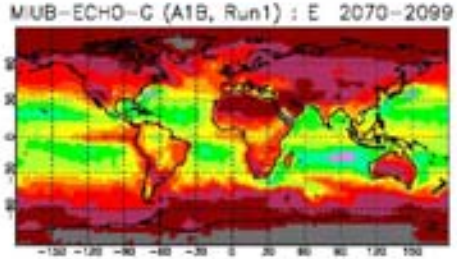

MIUB-ECHO-G (Com, Run1) : Change in P


MIUB-ECHO-G (20C3M, Run1) : E 1970-1999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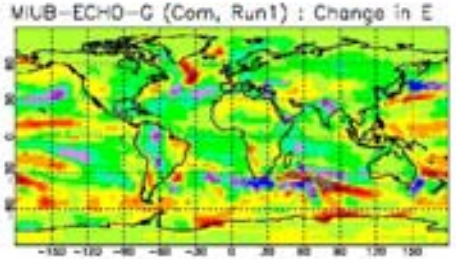
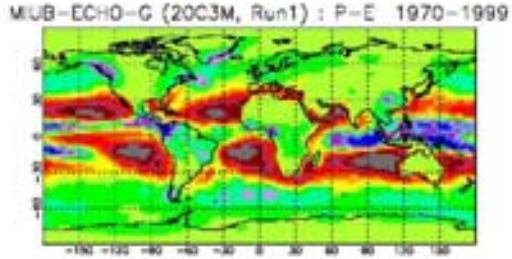

MIUB-ECHO-G (Com, Run1) : Change in E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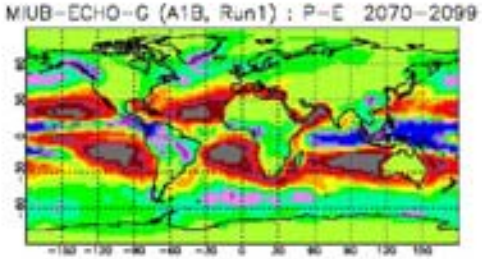
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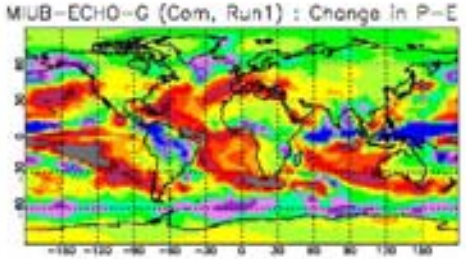
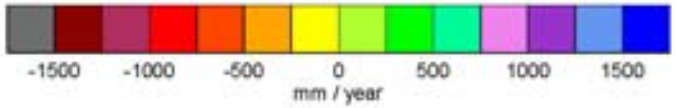
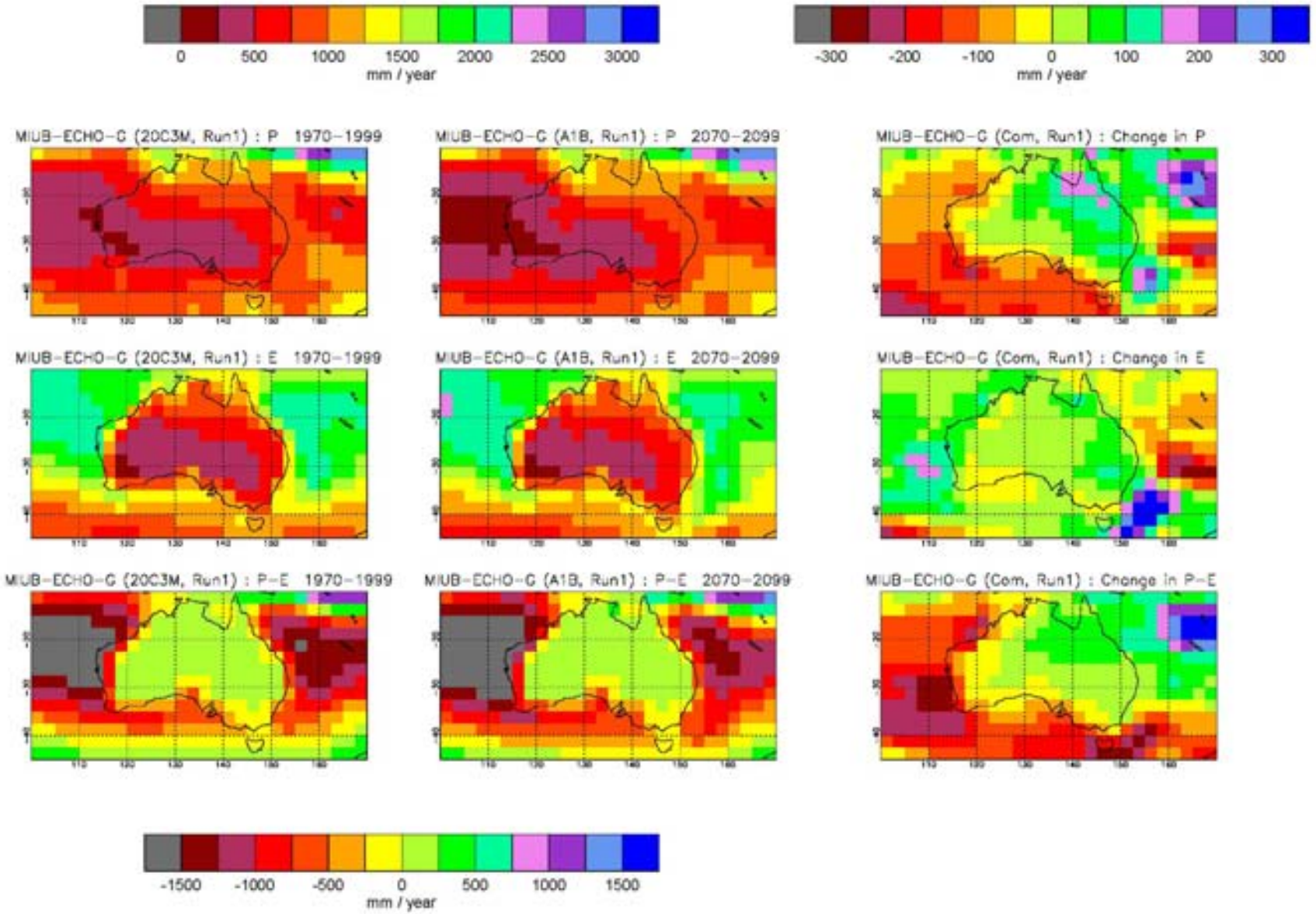

MIUB-ECHO-G (Com, Run1) : Change in P-E


-1500
-1000
-500
0
500
1000
1500
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
MIUB-ECHO-G (20C3M, Run1) : P 1970-1999
MIUB-ECHO-G (A1B, Run1) : P 2070-2099
MIUB-ECHO-G (Com, Run1) : Change in P
MIUB-ECHO-G (20C3M, Run1) : E 1970-1999
MIUB-ECHO-G (A1B, Run1) : E 2070-2099
MIUB-ECHO-G (Com, Run1) : Change in E
MIUB-ECHO-G (20C3M, Run1) : P-E 1970-1999
MIUB-ECHO-G (A1B, Run1) : P-E 2070-2099
MIUB-ECHO-G (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIUB-ECHO-G_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	768.2	550.3	217.9	1.45E+14	843.0	585.5	257.6	74.8	35.2	39.6
Australia	7.72E+12	667.3	700.5	-33.2	7.72E+12	717.5	734.3	-16.8	50.1	33.8	16.4
New Zealand	2.46E+11	1530.9	1196.1	334.8	2.46E+11	1467.1	1211.2	255.9	-63.9	15.1	-78.9
South America	1.83E+13	1423.0	1003.6	419.4	1.83E+13	1588.8	1052.2	536.6	165.8	48.6	117.2
North America	2.31E+13	736.0	477.8	258.2	2.31E+13	807.4	519.3	288.1	71.4	41.5	29.9
Europe	5.24E+12	770.5	537.6	232.9	5.24E+12	765.7	583.1	182.6	-4.8	45.5	-50.3
Africa	2.85E+13	783.0	638.2	144.8	2.85E+13	846.4	664.5	181.9	63.4	26.3	37.1
Middle East	4.85E+12	168.1	248.9	-80.8	4.85E+12	152.3	248.6	-96.3	-15.8	-0.3	-15.5
Asia	3.92E+13	560.8	385.9	174.8	3.92E+13	646.6	437.0	209.6	85.8	51.1	34.7
Southeast Asia	4.22E+12	2084.2	1326.2	758.0	4.22E+12	2218.3	1325.6	892.7	134.1	-0.5	134.6
Antarctica	1.25E+13	222.7	30.9	191.8	1.25E+13	222.8	28.4	194.3	0.1	-2.4	2.5

MIUB-ECHO-G_Set1

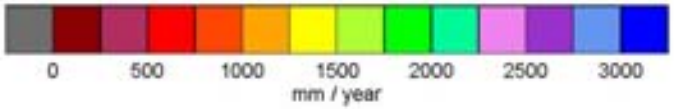
	1970 - 1999 (20C3M, Run1) E' = 0.978331											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1004.6	1004.6	0	3.64E+14	1098.9	1185.8	-87.0	1.45E+14	768.2	550.3	217.9
-90° to -80°	3.86E+12	103.6	2.2	101.4	3.58E+03	111.6	-1.5	113.1	3.86E+12	103.6	2.2	101.4
-80° to -70°	1.15E+13	326.0	90.9	235.1	4.07E+12	508.6	205.6	303.0	7.42E+12	225.8	28.0	197.8
-70° to -60°	1.88E+13	629.6	243.4	386.2	1.74E+13	634.7	251.7	383.0	1.31E+12	561.3	133.1	428.2
-60° to -50°	2.55E+13	922.5	427.4	495.1	2.53E+13	921.1	425.7	495.4	1.31E+11	1181.1	753.3	427.9
-50° to -40°	3.14E+13	1101.1	778.2	323.0	3.04E+13	1096.6	772.4	324.2	1.02E+12	1236.7	949.2	287.5
-40° to -30°	3.64E+13	862.4	1167.5	-305.1	3.21E+13	905.7	1239.9	-334.2	4.22E+12	533.1	616.9	-83.8
-30° to -20°	4.02E+13	728.9	1406.5	-677.6	3.08E+13	725.0	1620.4	-895.4	9.41E+12	741.6	705.6	36.0
-20° to -10°	4.29E+13	1146.7	1565.4	-418.7	3.30E+13	1113.2	1744.7	-631.6	9.92E+12	1258.2	969.6	288.6
-10° to 0°	4.42E+13	1609.7	1392.8	217.0	3.44E+13	1593.1	1464.8	128.2	9.81E+12	1668.3	1139.9	528.5
0° to 10°	4.42E+13	1876.0	1358.5	517.4	3.47E+13	1930.1	1425.9	504.2	9.56E+12	1679.8	1114.4	565.4
10° to 20°	4.29E+13	1256.3	1502.8	-246.5	3.21E+13	1355.9	1745.4	-389.6	1.08E+13	959.9	780.4	179.5
20° to 30°	4.02E+13	660.0	1184.1	-524.1	2.53E+13	740.5	1616.1	-875.6	1.49E+13	522.9	448.9	74.0
30° to 40°	3.64E+13	823.4	924.7	-101.4	2.18E+13	1003.4	1241.6	-238.2	1.46E+13	553.6	450.0	103.6
40° to 50°	3.14E+13	888.3	603.3	285.0	1.53E+13	1161.6	751.1	410.4	1.61E+13	628.7	462.8	165.8
50° to 60°	2.55E+13	811.4	454.6	356.8	1.13E+13	1013.7	551.4	462.3	1.41E+13	648.6	376.6	271.9
60° to 70°	1.88E+13	578.6	285.5	293.0	5.63E+12	768.7	419.0	349.7	1.31E+13	497.0	228.3	268.7
70° to 80°	1.15E+13	276.8	103.1	173.7	7.02E+12	290.4	118.3	172.1	4.47E+12	255.5	79.4	176.2
80° to 90°	3.86E+12	175.4	24.9	150.6	3.28E+12	177.2	25.8	151.4	5.72E+11	165.0	19.5	145.5

MIUB-ECHO-G_Set1

	2070 - 2099 (A1B, Run1) E' = 0.974835												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1036.0	1036.0	0	3.64E+14	1113.0	1215.8	-102.8	1.45E+14	843.0	585.5	257.6	31.4	31.4	0.0	14.1	29.9	-15.8	74.8	35.2	39.6
-90° to -80°	3.86E+12	98.6	1.1	97.4	3.58E+03	81.6	2.7	78.9	3.86E+12	98.6	1.1	97.4	-5.1	-1.0	-4.0	-30.1	4.2	-34.2	-5.1	-1.0	-4.0
-80° to -70°	1.15E+13	343.1	96.8	246.3	4.07E+12	553.2	221.1	332.1	7.42E+12	227.8	28.6	199.3	17.1	5.8	11.2	44.5	15.5	29.1	2.0	0.6	1.4
-70° to -60°	1.88E+13	739.3	220.5	518.8	1.74E+13	752.3	228.8	523.5	1.31E+12	566.7	109.6	457.1	109.7	-22.9	132.7	117.6	-22.9	140.4	5.5	-23.4	28.9
-60° to -50°	2.55E+13	1018.9	401.4	617.5	2.53E+13	1018.0	399.5	618.5	1.31E+11	1179.2	769.1	410.2	96.4	-26.0	122.4	96.9	-26.2	123.1	-1.9	15.8	-17.7
-50° to -40°	3.14E+13	1054.5	791.5	263.1	3.04E+13	1051.8	786.1	265.7	1.02E+12	1135.4	950.5	184.9	-46.6	13.3	-59.9	-44.8	13.7	-58.5	-101.3	1.3	-102.6
-40° to -30°	3.64E+13	812.8	1204.9	-392.1	3.21E+13	849.9	1279.5	-429.6	4.22E+12	531.2	637.6	-106.4	-49.6	37.4	-87.0	-55.8	39.6	-95.4	-1.9	20.7	-22.6
-30° to -20°	4.02E+13	718.1	1436.8	-718.7	3.08E+13	689.9	1647.1	-957.3	9.41E+12	810.6	747.7	62.9	-10.8	30.3	-41.1	-35.1	26.7	-61.8	69.0	42.1	26.9
-20° to -10°	4.29E+13	1134.7	1613.1	-478.4	3.30E+13	1060.1	1798.8	-738.7	9.92E+12	1382.3	996.1	386.3	-12.1	47.7	-59.7	-53.1	54.1	-107.1	124.2	26.5	97.7
-10° to 0°	4.42E+13	1640.0	1445.3	194.7	3.44E+13	1580.5	1521.8	58.7	9.81E+12	1848.7	1176.9	671.8	30.2	52.5	-22.3	-12.6	56.9	-69.5	180.4	37.0	143.4
0° to 10°	4.42E+13	2004.1	1369.3	634.8	3.47E+13	2044.1	1425.1	619.0	9.56E+12	1859.3	1167.1	692.2	128.2	10.8	117.4	114.0	-0.8	114.8	179.6	52.8	126.8
10° to 20°	4.29E+13	1285.1	1536.0	-251.0	3.21E+13	1365.9	1775.1	-409.2	1.08E+13	1044.3	824.1	220.2	28.8	33.2	-4.5	10.1	29.7	-19.6	84.4	43.7	40.7
20° to 30°	4.02E+13	677.3	1236.4	-559.0	2.53E+13	729.0	1676.6	-947.6	1.49E+13	589.4	487.1	102.4	17.4	52.3	-34.9	-11.5	60.5	-72.0	66.5	38.2	28.3
30° to 40°	3.64E+13	808.0	982.8	-174.8	2.18E+13	971.0	1322.8	-351.8	1.46E+13	563.8	473.5	90.4	-15.4	58.1	-73.5	-32.4	81.2	-113.6	10.2	23.5	-13.3
40° to 50°	3.14E+13	911.8	650.7	261.1	1.53E+13	1191.6	806.2	385.4	1.61E+13	645.9	502.9	143.0	23.4	47.3	-23.9	30.0	55.0	-25.0	17.2	40.0	-22.8
50° to 60°	2.55E+13	920.3	493.3	427.0	1.13E+13	1143.9	563.0	580.9	1.41E+13	740.4	437.2	303.2	108.9	38.7	70.2	130.2	11.6	118.6	91.9	60.6	31.3
60° to 70°	1.88E+13	707.8	322.4	385.4	5.63E+12	913.4	444.8	468.5	1.31E+13	619.6	269.9	349.7	129.2	36.9	92.3	144.6	25.8	118.8	122.6	41.6	81.0
70° to 80°	1.15E+13	359.1	132.8	226.3	7.02E+12	376.9	153.5	223.5	4.47E+12	331.1	100.4	230.7	82.3	29.7	52.6	86.5	35.2	51.3	75.6	21.0	54.6
80° to 90°	3.86E+12	248.7	39.4	209.3	3.28E+12	251.5	42.4	209.1	5.72E+11	232.7	22.5	210.2	73.3	14.5	58.7	74.2	16.6	57.7	67.7	3.0	64.7

MIUB-ECHO-G_Set1

	2070 - 2099 (A2, Run1) E' = 0.974464												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1034.4	1034.4	0	3.64E+14	1110.7	1213.3	-102.6	1.45E+14	843.2	586.1	257.2	29.8	29.8	0.0	11.8	27.4	-15.7	75.0	35.8	39.2
-90° to -80°	3.86E+12	98.9	1.3	97.7	3.58E+03	30.1	3.6	26.4	3.86E+12	98.9	1.3	97.7	-4.7	-0.9	-3.8	-81.6	5.1	-86.7	-4.7	-0.9	-3.8
-80° to -70°	1.15E+13	349.2	94.6	254.7	4.07E+12	563.5	216.0	347.5	7.42E+12	231.7	27.9	203.7	23.2	3.6	19.6	54.9	10.4	44.5	5.8	-0.1	5.9
-70° to -60°	1.88E+13	747.6	215.8	531.8	1.74E+13	760.6	223.9	536.8	1.31E+12	573.7	108.5	465.1	118.0	-27.6	145.6	125.9	-27.8	153.8	12.4	-24.5	36.9
-60° to -50°	2.55E+13	1019.6	395.8	623.8	2.53E+13	1018.9	393.9	625.0	1.31E+11	1161.9	758.0	403.8	97.1	-31.6	128.8	97.7	-31.8	129.6	-19.3	4.7	-24.0
-50° to -40°	3.14E+13	1051.5	793.5	258.0	3.04E+13	1049.3	788.3	261.1	1.02E+12	1115.4	949.4	165.9	-49.7	15.4	-65.0	-47.2	15.9	-63.1	-121.3	0.3	-121.6
-40° to -30°	3.64E+13	816.8	1211.0	-394.2	3.21E+13	851.2	1283.5	-432.4	4.22E+12	555.2	659.5	-104.3	-45.6	43.5	-89.1	-54.5	43.6	-98.2	22.1	42.5	-20.4
-30° to -20°	4.02E+13	715.4	1441.0	-725.6	3.08E+13	680.6	1648.9	-968.3	9.41E+12	829.6	759.8	69.7	-13.4	34.5	-47.9	-44.4	28.5	-72.8	88.0	54.3	33.7
-20° to -10°	4.29E+13	1135.1	1612.2	-477.1	3.30E+13	1058.9	1798.2	-739.3	9.92E+12	1388.5	994.6	393.8	-11.6	46.8	-58.5	-54.3	53.4	-107.7	130.3	25.0	105.2
-10° to 0°	4.42E+13	1635.5	1441.2	194.3	3.44E+13	1582.1	1517.0	65.1	9.81E+12	1822.8	1175.3	647.5	25.7	48.4	-22.7	-11.0	52.1	-63.1	154.5	35.5	119.0
0° to 10°	4.42E+13	2015.1	1356.5	658.6	3.47E+13	2060.4	1411.2	649.2	9.56E+12	1850.8	1158.1	692.6	139.1	-2.1	141.2	130.3	-14.7	145.1	171.0	43.8	127.2
10° to 20°	4.29E+13	1269.7	1539.0	-269.3	3.21E+13	1342.7	1778.3	-435.6	1.08E+13	1052.5	826.5	226.0	13.4	36.2	-22.8	-13.1	32.9	-46.0	92.6	46.0	46.5
20° to 30°	4.02E+13	668.6	1238.9	-570.3	2.53E+13	713.7	1678.5	-964.9	1.49E+13	591.9	490.4	101.4	8.6	54.8	-46.1	-26.8	62.5	-89.3	69.0	41.6	27.4
30° to 40°	3.64E+13	799.0	978.5	-179.5	2.18E+13	961.1	1316.3	-355.2	1.46E+13	556.2	472.4	83.8	-24.3	53.8	-78.1	-42.3	74.7	-117.0	2.6	22.4	-19.8
40° to 50°	3.14E+13	910.6	644.4	266.3	1.53E+13	1196.3	797.4	398.9	1.61E+13	639.1	498.9	140.2	22.3	41.0	-18.8	34.7	46.2	-11.5	10.5	36.1	-25.6
50° to 60°	2.55E+13	920.4	489.5	430.8	1.13E+13	1143.4	555.9	587.5	1.41E+13	740.9	436.2	304.8	109.0	35.0	74.0	129.7	4.5	125.2	92.4	59.5	32.8
60° to 70°	1.88E+13	707.7	319.0	388.7	5.63E+12	900.7	431.2	469.5	1.31E+13	625.0	271.0	354.1	129.2	33.5	95.7	131.9	12.2	119.8	128.0	42.7	85.3
70° to 80°	1.15E+13	363.9	135.6	228.3	7.02E+12	380.4	157.1	223.3	4.47E+12	338.0	101.9	236.0	87.1	32.5	54.6	90.0	38.8	51.2	82.4	22.5	59.9
80° to 90°	3.86E+12	247.9	42.2	205.7	3.28E+12	251.5	45.3	206.2	5.72E+11	227.0	24.6	202.4	72.4	17.3	55.1	74.3	19.5	54.8	62.0	5.1	56.9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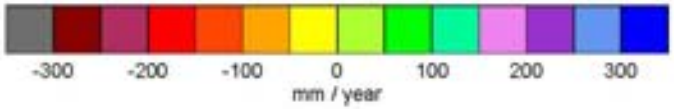
mm / year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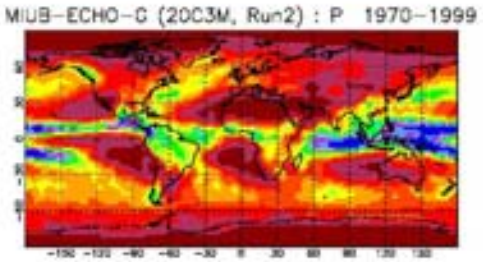
mm / year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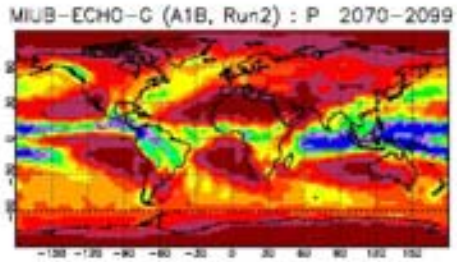
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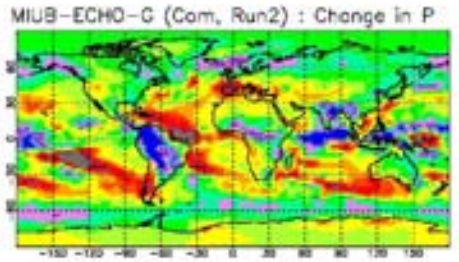
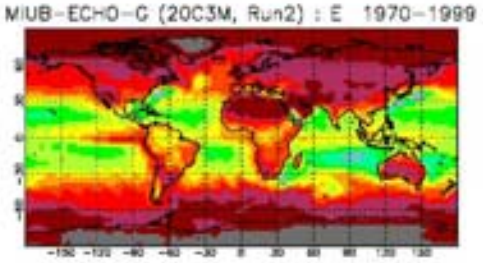

MIUB-ECHO-G (Com, Run2) : Change in P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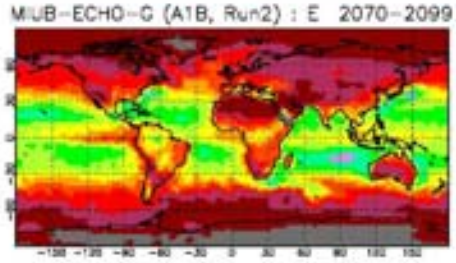
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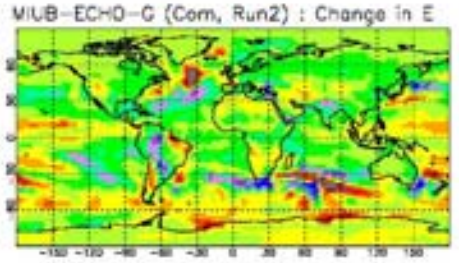
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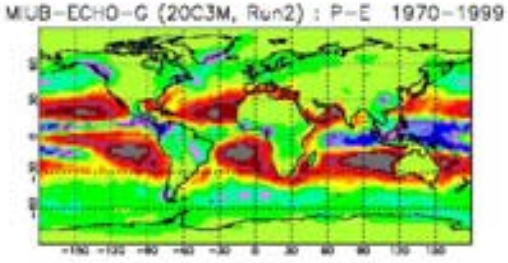
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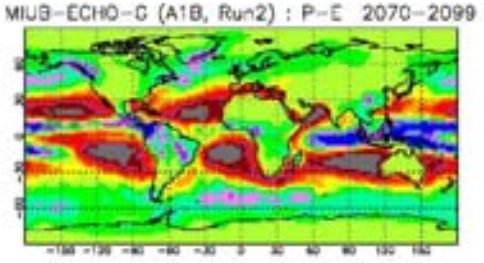
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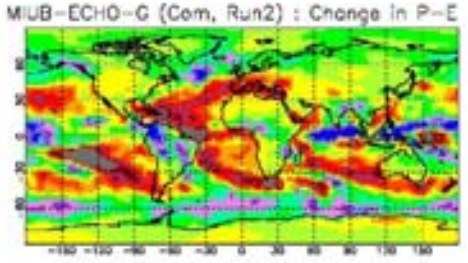
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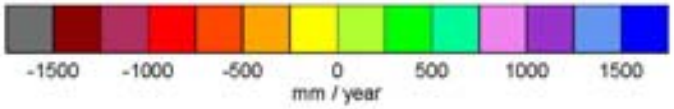
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0
500
1000
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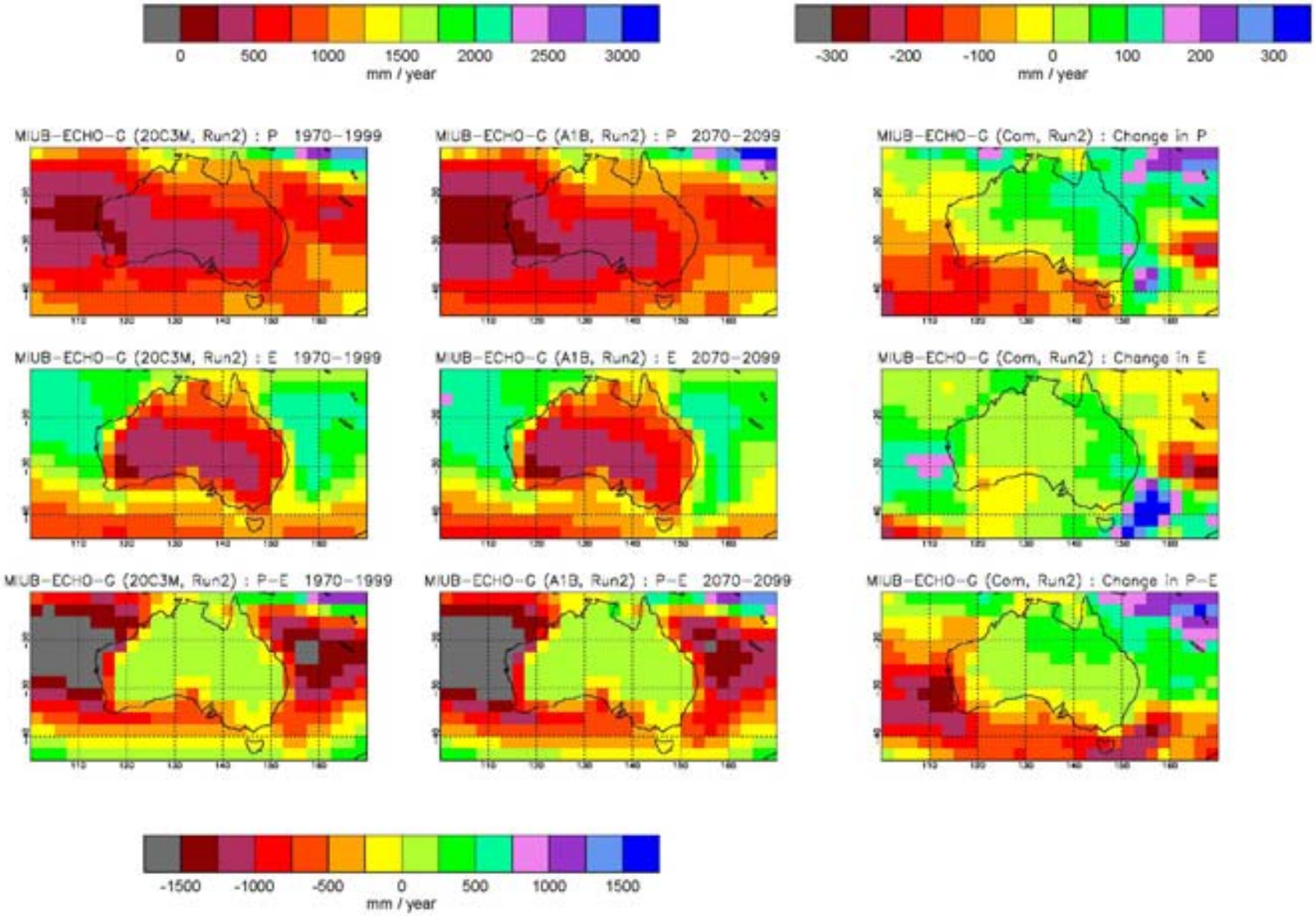
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
MIUB-ECHO-G (20C3M, Run2) : P 1970-1999
MIUB-ECHO-G (A1B, Run2) : P 2070-2099
MIUB-ECHO-G (Com, Run2) : Change in P
MIUB-ECHO-G (20C3M, Run2) : E 1970-1999
MIUB-ECHO-G (A1B, Run2) : E 2070-2099
MIUB-ECHO-G (Com, Run2) : Change in E
MIUB-ECHO-G (20C3M, Run2) : P-E 1970-1999
MIUB-ECHO-G (A1B, Run2) : P-E 2070-2099
MIUB-ECHO-G (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIUB-ECHO-G_Set2

Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	767.9	549.2	218.7	1.45E+14	840.1	585.6	254.5	72.2	36.4	35.8
Australia	7.72E+12	649.5	696.1	-46.6	7.72E+12	708.6	729.8	-21.3	59.1	33.7	25.3
New Zealand	2.46E+11	1534.0	1189.4	344.6	2.46E+11	1498.5	1237.3	261.2	-35.6	47.9	-83.4
South America	1.83E+13	1422.4	1000.7	421.7	1.83E+13	1583.2	1058.3	524.8	160.8	57.6	103.2
North America	2.31E+13	731.4	477.2	254.2	2.31E+13	799.2	516.8	282.4	67.8	39.6	28.2
Europe	5.24E+12	771.8	537.5	234.4	5.24E+12	762.3	580.0	182.4	-9.5	42.5	-52.0
Africa	2.85E+13	787.0	637.8	149.1	2.85E+13	843.6	662.3	181.3	56.7	24.5	32.2
Middle East	4.85E+12	162.0	244.3	-82.3	4.85E+12	157.4	253.0	-95.6	-4.6	8.7	-13.3
Asia	3.92E+13	560.9	385.7	175.2	3.92E+13	645.8	437.5	208.3	85.0	51.8	33.2
Southeast Asia	4.22E+12	2102.1	1321.2	780.9	4.22E+12	2231.7	1333.3	898.3	129.6	12.1	117.5
Antarctica	1.25E+13	222.6	31.4	191.2	1.25E+13	221.3	28.0	193.3	-1.3	-3.4	2.1

MIUB-ECHO-G_Set2

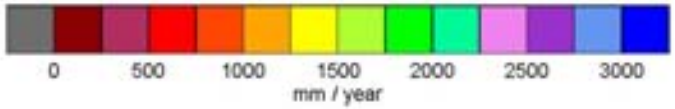
	1970 - 1999 (20C3M, Run2) E' = 0.978382											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1004.4	1004.4	0	3.64E+14	1098.8	1186.1	-87.3	1.45E+14	767.9	549.2	218.7
-90° to -80°	3.86E+12	101.6	2.1	99.6	3.58E+03	111.6	3.9	107.8	3.86E+12	101.6	2.1	99.6
-80° to -70°	1.15E+13	327.3	93.4	233.9	4.07E+12	511.5	211.1	300.3	7.42E+12	226.3	28.8	197.4
-70° to -60°	1.88E+13	628.5	240.6	388.0	1.74E+13	633.4	248.6	384.8	1.31E+12	563.9	134.1	429.8
-60° to -50°	2.55E+13	926.1	426.8	499.3	2.53E+13	924.9	425.2	499.7	1.31E+11	1170.8	749.4	421.4
-50° to -40°	3.14E+13	1097.3	773.4	323.9	3.04E+13	1093.5	767.8	325.7	1.02E+12	1210.1	940.4	269.8
-40° to -30°	3.64E+13	855.1	1164.2	-309.1	3.21E+13	899.4	1237.2	-337.9	4.22E+12	518.1	608.5	-90.4
-30° to -20°	4.02E+13	728.2	1398.8	-670.7	3.08E+13	727.4	1613.1	-885.7	9.41E+12	730.6	696.6	34.0
-20° to -10°	4.29E+13	1141.3	1568.7	-427.4	3.30E+13	1106.0	1749.7	-643.7	9.92E+12	1258.5	967.4	291.1
-10° to 0°	4.42E+13	1598.7	1397.4	201.3	3.44E+13	1576.8	1471.3	105.5	9.81E+12	1675.6	1137.8	537.8
0° to 10°	4.42E+13	1902.4	1358.8	543.7	3.47E+13	1957.7	1423.6	534.2	9.56E+12	1701.9	1123.8	578.1
10° to 20°	4.29E+13	1248.2	1499.0	-250.9	3.21E+13	1343.9	1740.4	-396.4	1.08E+13	963.0	780.5	182.5
20° to 30°	4.02E+13	665.4	1186.5	-521.1	2.53E+13	749.3	1620.3	-871.0	1.49E+13	522.5	448.0	74.5
30° to 40°	3.64E+13	820.1	931.6	-111.5	2.18E+13	1000.8	1253.3	-252.5	1.46E+13	549.5	449.7	99.8
40° to 50°	3.14E+13	887.1	606.4	280.7	1.53E+13	1167.0	759.5	407.5	1.61E+13	621.0	460.8	160.1
50° to 60°	2.55E+13	815.9	453.4	362.5	1.13E+13	1023.0	549.8	473.3	1.41E+13	649.4	375.9	273.5
60° to 70°	1.88E+13	577.0	281.0	296.0	5.63E+12	765.2	408.7	356.5	1.31E+13	496.3	226.3	270.0
70° to 80°	1.15E+13	277.4	105.1	172.3	7.02E+12	289.8	121.5	168.3	4.47E+12	257.9	79.3	178.5
80° to 90°	3.86E+12	177.9	25.2	152.7	3.28E+12	179.6	25.8	153.8	5.72E+11	168.0	21.4	146.5

MIUB-ECHO-G_Set2

	2070 - 2099 (A1B, Run2) E' = 0.974811												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1036.1	1036.1	0	3.64E+14	1114.3	1215.8	-101.5	1.45E+14	840.1	585.6	254.5	31.6	31.6	0.0	15.4	29.7	-14.3	72.2	36.4	35.8
-90° to -80°	3.86E+12	101.0	1.2	99.9	3.58E+03	98.8	3.9	94.9	3.86E+12	101.0	1.2	99.9	-0.6	-0.9	0.3	-12.9	0.0	-12.9	-0.6	-0.9	0.3
-80° to -70°	1.15E+13	344.5	95.4	249.1	4.07E+12	559.0	218.4	340.6	7.42E+12	226.8	27.9	198.9	17.2	2.0	15.2	47.5	7.3	40.2	0.5	-1.0	1.5
-70° to -60°	1.88E+13	730.7	220.3	510.4	1.74E+13	744.2	228.6	515.6	1.31E+12	551.3	109.3	442.0	102.2	-20.3	122.5	110.8	-20.0	130.8	-12.5	-24.8	12.2
-60° to -50°	2.55E+13	1020.2	398.2	622.0	2.53E+13	1019.4	396.3	623.1	1.31E+11	1178.2	773.6	404.6	94.1	-28.6	122.7	94.5	-28.9	123.4	7.4	24.1	-16.7
-50° to -40°	3.14E+13	1064.0	790.1	273.8	3.04E+13	1062.3	784.8	277.5	1.02E+12	1115.5	949.1	166.5	-33.3	16.7	-50.1	-31.3	17.0	-48.3	-94.6	8.7	-103.3
-40° to -30°	3.64E+13	814.3	1208.8	-394.6	3.21E+13	851.1	1283.5	-432.4	4.22E+12	534.2	640.6	-106.4	-40.8	44.6	-85.4	-48.2	46.3	-94.5	16.1	32.1	-16.0
-30° to -20°	4.02E+13	705.4	1440.1	-734.8	3.08E+13	674.3	1652.6	-978.3	9.41E+12	807.3	744.0	63.3	-22.8	41.3	-64.1	-53.1	39.5	-92.6	76.7	47.4	29.3
-20° to -10°	4.29E+13	1139.6	1614.5	-474.9	3.30E+13	1066.1	1800.5	-734.4	9.92E+12	1383.6	996.5	387.1	-1.7	45.8	-47.5	-39.9	50.9	-90.7	125.1	29.1	96.1
-10° to 0°	4.42E+13	1662.3	1440.6	221.7	3.44E+13	1614.1	1513.8	100.3	9.81E+12	1831.4	1183.8	647.7	63.6	43.3	20.3	37.3	42.5	-5.2	155.9	46.0	109.9
0° to 10°	4.42E+13	1990.1	1368.0	622.1	3.47E+13	2026.7	1423.8	602.8	9.56E+12	1857.4	1165.7	691.7	87.7	9.3	78.4	68.9	0.2	68.7	155.6	41.9	113.7
10° to 20°	4.29E+13	1282.1	1536.6	-254.4	3.21E+13	1362.6	1775.8	-413.1	1.08E+13	1042.6	824.4	218.1	34.0	37.5	-3.5	18.7	35.4	-16.7	79.6	44.0	35.6
20° to 30°	4.02E+13	675.0	1241.1	-566.1	2.53E+13	724.7	1682.8	-958.1	1.49E+13	590.4	489.2	101.2	9.6	54.6	-45.0	-24.6	62.5	-87.1	67.9	41.2	26.7
30° to 40°	3.64E+13	813.7	985.4	-171.7	2.18E+13	978.1	1325.3	-347.3	1.46E+13	567.4	476.0	91.4	-6.4	53.7	-60.2	-22.7	72.0	-94.7	17.9	26.3	-8.4
40° to 50°	3.14E+13	913.2	647.9	265.3	1.53E+13	1197.2	801.4	395.8	1.61E+13	643.3	501.9	141.4	26.2	41.5	-15.3	30.2	41.9	-11.7	22.3	41.1	-18.8
50° to 60°	2.55E+13	916.6	489.8	426.9	1.13E+13	1141.3	558.8	582.5	1.41E+13	735.9	434.2	301.7	100.7	36.4	64.3	118.3	9.1	109.2	86.6	58.3	28.2
60° to 70°	1.88E+13	697.7	319.4	378.2	5.63E+12	903.2	440.0	463.2	1.31E+13	609.5	267.7	341.8	120.7	38.4	82.3	138.0	31.3	106.7	113.2	41.4	71.8
70° to 80°	1.15E+13	354.9	133.2	221.6	7.02E+12	371.5	154.2	217.3	4.47E+12	328.7	100.3	228.4	77.5	28.1	49.3	81.7	32.7	49.0	70.8	21.0	49.8
80° to 90°	3.86E+12	249.8	41.7	208.0	3.28E+12	252.3	44.9	207.4	5.72E+11	235.0	23.6	211.4	71.9	16.5	55.3	72.7	19.1	53.7	67.0	2.1	64.9

MIUB-ECHO-G_Set2

	2070 - 2099 (A2, Run2) E' = 0.974373												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1035.6	1035.6	0	3.64E+14	1110.8	1214.0	-103.1	1.45E+14	847.0	588.6	258.4	31.2	31.2	0.0	12.0	27.9	-15.9	79.2	39.4	39.8
-90° to -80°	3.86E+12	103.5	1.6	101.8	3.58E+03	115.9	2.7	113.3	3.86E+12	103.5	1.6	101.8	1.8	-0.4	2.3	4.3	-1.2	5.5	1.8	-0.4	2.3
-80° to -70°	1.15E+13	349.1	94.4	254.7	4.07E+12	563.9	216.4	347.6	7.42E+12	231.2	27.4	203.8	21.8	0.9	20.9	52.5	5.2	47.3	4.9	-1.4	6.4
-70° to -60°	1.88E+13	748.4	219.2	529.2	1.74E+13	762.3	227.7	534.6	1.31E+12	563.3	105.2	458.1	119.9	-21.4	141.3	128.9	-20.8	149.7	-0.5	-28.9	28.4
-60° to -50°	2.55E+13	1028.5	398.8	629.7	2.53E+13	1028.0	397.0	631.0	1.31E+11	1132.9	751.4	381.5	102.4	-28.0	130.4	103.1	-28.2	131.3	-37.9	2.0	-39.8
-50° to -40°	3.14E+13	1055.1	793.7	261.3	3.04E+13	1053.3	788.7	264.7	1.02E+12	1107.5	945.0	162.6	-42.2	20.3	-62.6	-40.2	20.9	-61.1	-102.6	4.6	-107.2
-40° to -30°	3.64E+13	813.0	1217.7	-404.7	3.21E+13	847.7	1292.0	-444.3	4.22E+12	549.2	652.1	-102.9	-42.0	53.5	-95.5	-51.7	54.8	-106.4	31.1	43.6	-12.5
-30° to -20°	4.02E+13	726.0	1448.9	-722.9	3.08E+13	686.8	1655.4	-968.7	9.41E+12	854.6	772.2	82.4	-2.1	50.1	-52.2	-40.6	42.3	-82.9	124.0	75.6	48.4
-20° to -10°	4.29E+13	1137.9	1614.6	-476.7	3.30E+13	1062.3	1799.4	-737.1	9.92E+12	1389.1	1000.9	388.1	-3.4	46.0	-49.3	-43.7	49.7	-93.4	130.6	33.5	97.0
-10° to 0°	4.42E+13	1657.3	1434.5	222.8	3.44E+13	1608.3	1507.9	100.3	9.81E+12	1829.3	1176.7	652.6	58.6	37.1	21.5	31.5	36.6	-5.2	153.8	38.9	114.9
0° to 10°	4.42E+13	1995.0	1360.4	634.6	3.47E+13	2031.6	1413.5	618.2	9.56E+12	1862.4	1168.2	694.2	92.6	1.7	91.0	73.9	-10.1	84.0	160.6	44.4	116.1
10° to 20°	4.29E+13	1273.3	1540.2	-266.9	3.21E+13	1345.1	1779.9	-434.7	1.08E+13	1059.6	826.8	232.8	25.2	41.2	-16.0	1.2	39.5	-38.3	96.6	46.3	50.3
20° to 30°	4.02E+13	668.8	1240.5	-571.7	2.53E+13	709.9	1678.3	-968.4	1.49E+13	598.9	495.3	103.6	3.4	54.0	-50.5	-39.4	58.0	-97.4	76.4	47.2	29.2
30° to 40°	3.64E+13	789.6	975.5	-186.0	2.18E+13	944.1	1309.8	-365.7	1.46E+13	558.0	474.7	83.3	-30.6	43.9	-74.5	-56.6	56.5	-113.2	8.5	25.0	-16.4
40° to 50°	3.14E+13	905.8	648.6	257.2	1.53E+13	1191.6	806.4	385.3	1.61E+13	634.2	498.7	135.4	18.8	42.3	-23.5	24.7	46.9	-22.3	13.2	37.9	-24.7
50° to 60°	2.55E+13	922.1	484.0	438.1	1.13E+13	1141.1	539.1	602.1	1.41E+13	746.0	439.7	306.3	106.2	30.6	75.6	118.1	-10.7	128.8	96.6	63.8	32.8
60° to 70°	1.88E+13	712.8	315.5	397.3	5.63E+12	914.9	423.6	491.3	1.31E+13	626.1	269.1	357.0	135.8	34.4	101.3	149.7	14.9	134.8	129.8	42.8	87.0
70° to 80°	1.15E+13	359.7	135.1	224.6	7.02E+12	380.3	157.4	222.8	4.47E+12	327.5	100.1	227.4	82.3	30.0	52.3	90.5	35.9	54.5	69.6	20.7	48.8
80° to 90°	3.86E+12	247.7	42.2	205.5	3.28E+12	251.1	45.4	205.7	5.72E+11	228.0	23.4	204.6	69.8	17.0	52.8	71.5	19.6	51.9	60.0	2.0	58.0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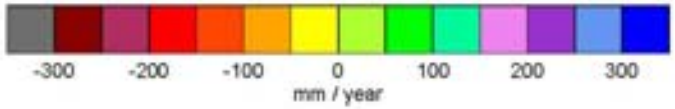
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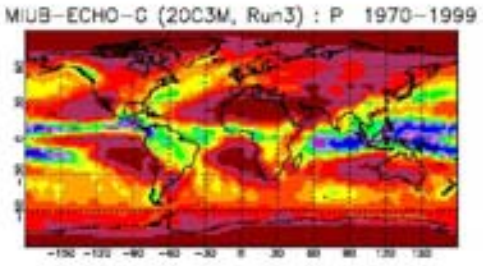
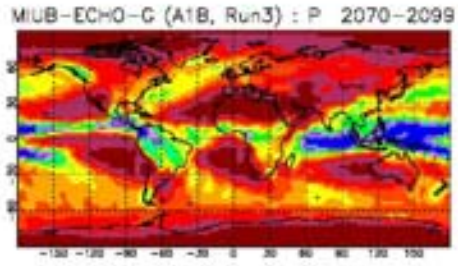

MIUB-ECHO-G (20C3M, Run3) : P 1970-1999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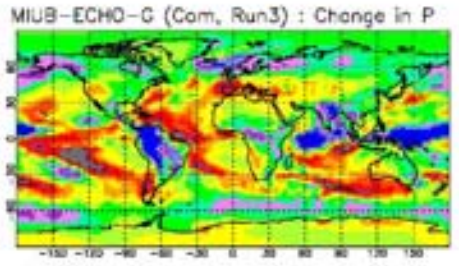
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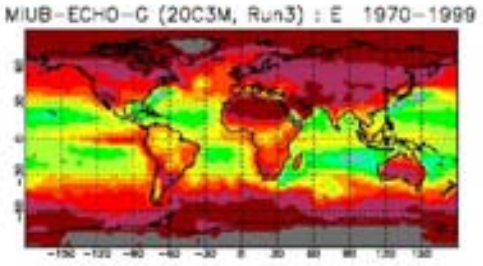
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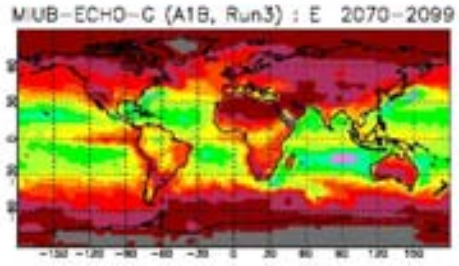
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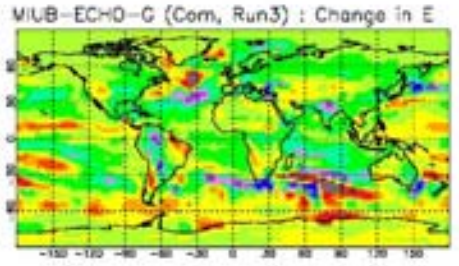
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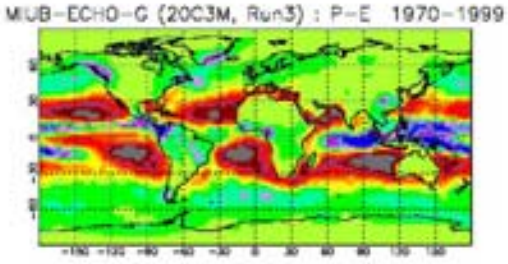
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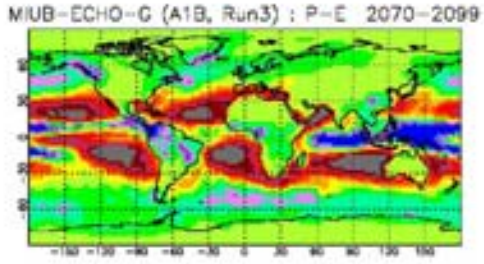
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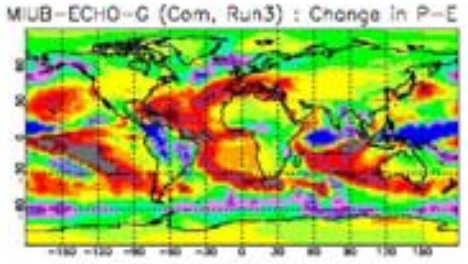
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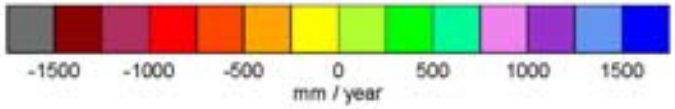
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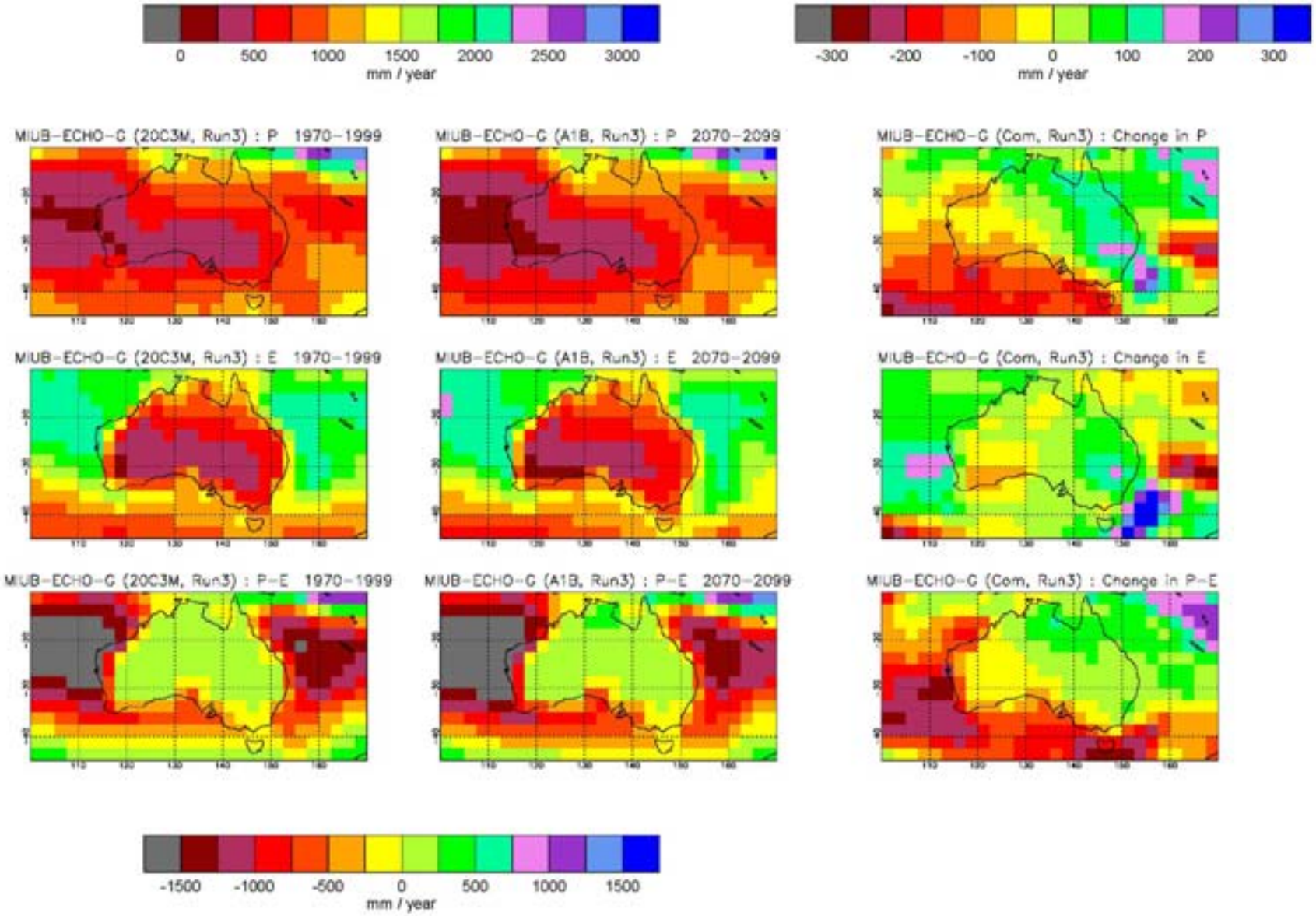
mm / year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mm / year
-300 -200 -100 0 100 200 300
mm / year
MIUB-ECHO-G (20C3M, Run3) : P 1970-1999
MIUB-ECHO-G (A1B, Run3) : P 2070-2099
MIUB-ECHO-G (Com, Run3) : Change in P
MIUB-ECHO-G (20C3M, Run3) : E 1970-1999
MIUB-ECHO-G (A1B, Run3) : E 2070-2099
MIUB-ECHO-G (Com, Run3) : Change in E
MIUB-ECHO-G (20C3M, Run3) : P-E 1970-1999
MIUB-ECHO-G (A1B, Run3) : P-E 2070-2099
MIUB-ECHO-G (Com, Run3) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MIUB-ECHO-G_Set3

Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.45E+14	768.0	550.1	217.8	1.45E+14	840.9	584.5	256.4	73.0	34.4	38.6
Australia	7.72E+12	682.8	715.2	-32.4	7.72E+12	722.1	741.8	-19.7	39.3	26.6	12.7
New Zealand	2.46E+11	1530.2	1185.1	345.1	2.46E+11	1507.9	1230.7	277.2	-22.3	45.6	-67.9
South America	1.83E+13	1425.2	1009.0	416.2	1.83E+13	1588.7	1053.2	535.5	163.5	44.2	119.3
North America	2.31E+13	728.3	474.3	254.0	2.31E+13	798.8	516.0	282.8	70.6	41.7	28.8
Europe	5.24E+12	763.0	529.7	233.3	5.24E+12	756.3	576.9	179.4	-6.7	47.3	-53.9
Africa	2.85E+13	785.6	638.5	147.1	2.85E+13	843.3	661.8	181.5	57.7	23.3	34.3
Middle East	4.85E+12	153.8	240.4	-86.6	4.85E+12	160.0	254.8	-94.8	6.2	14.4	-8.3
Asia	3.92E+13	559.2	384.3	174.9	3.92E+13	642.0	435.2	206.8	82.9	50.9	31.9
Southeast Asia	4.22E+12	2081.5	1320.7	760.8	4.22E+12	2241.5	1330.4	911.1	160.0	9.7	150.3
Antarctica	1.25E+13	230.9	32.2	198.7	1.25E+13	227.5	28.2	199.4	-3.4	-4.1	0.7

MIUB-ECHO-G_Set3

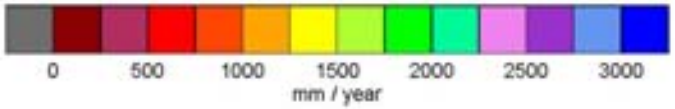
	1970 - 1999 (20C3M, Run3) E' = 0.978356											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1004.3	1004.3	0	3.64E+14	1098.6	1185.5	-86.9	1.45E+14	768.0	550.1	217.8
-90° to -80°	3.86E+12	106.9	2.6	104.3	3.58E+03	146.0	-1.9	147.9	3.86E+12	106.9	2.6	104.3
-80° to -70°	1.15E+13	334.3	93.0	241.2	4.07E+12	517.2	209.5	307.7	7.42E+12	233.9	29.2	204.7
-70° to -60°	1.88E+13	634.8	253.0	381.8	1.74E+13	638.5	261.6	377.0	1.31E+12	584.8	138.6	446.2
-60° to -50°	2.55E+13	921.5	428.1	493.4	2.53E+13	920.3	426.5	493.8	1.31E+11	1160.5	741.3	419.2
-50° to -40°	3.14E+13	1103.5	776.2	327.3	3.04E+13	1099.8	770.8	329.0	1.02E+12	1216.3	937.5	278.8
-40° to -30°	3.64E+13	861.9	1163.8	-301.8	3.21E+13	904.7	1235.3	-330.6	4.22E+12	536.8	619.4	-82.6
-30° to -20°	4.02E+13	729.5	1406.9	-677.5	3.08E+13	722.8	1618.8	-896.0	9.41E+12	751.3	712.6	38.6
-20° to -10°	4.29E+13	1153.7	1572.9	-419.2	3.30E+13	1118.8	1752.5	-633.7	9.92E+12	1269.7	976.4	293.3
-10° to 0°	4.42E+13	1606.2	1390.7	215.6	3.44E+13	1589.7	1462.3	127.4	9.81E+12	1664.3	1139.3	525.0
0° to 10°	4.42E+13	1890.1	1355.7	534.5	3.47E+13	1944.5	1420.6	523.9	9.56E+12	1693.0	1120.3	572.7
10° to 20°	4.29E+13	1246.2	1509.5	-263.3	3.21E+13	1343.5	1752.7	-409.2	1.08E+13	956.4	785.5	170.9
20° to 30°	4.02E+13	654.3	1185.9	-531.7	2.53E+13	736.9	1622.0	-885.1	1.49E+13	513.7	443.6	70.0
30° to 40°	3.64E+13	818.8	921.1	-102.3	2.18E+13	1000.3	1238.7	-238.4	1.46E+13	546.8	445.3	101.5
40° to 50°	3.14E+13	892.8	601.9	291.0	1.53E+13	1167.9	747.1	420.8	1.61E+13	631.4	463.8	167.6
50° to 60°	2.55E+13	804.5	444.0	360.6	1.13E+13	1004.4	534.7	469.7	1.41E+13	643.8	371.0	272.7
60° to 70°	1.88E+13	565.6	277.1	288.5	5.63E+12	746.3	401.0	345.3	1.31E+13	488.1	223.9	264.2
70° to 80°	1.15E+13	271.2	99.1	172.1	7.02E+12	283.0	113.0	170.0	4.47E+12	252.8	77.4	175.5
80° to 90°	3.86E+12	173.3	24.4	148.9	3.28E+12	174.5	25.0	149.5	5.72E+11	166.4	20.9	145.5

MIUB-ECHO-G_Set3

	2070 - 2099 (A1B, Run3) E' = 0.974901												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1034.8	1034.8	0	3.64E+14	1112.2	1214.5	-102.3	1.45E+14	840.9	584.5	256.4	30.5	30.5	0.0	13.6	29.0	-15.4	73.0	34.4	38.6
-90° to -80°	3.86E+12	102.5	1.5	100.9	3.58E+03	150.3	2.4	147.8	3.86E+12	102.5	1.5	100.9	-4.5	-1.1	-3.4	4.3	4.3	0.0	-4.5	-1.1	-3.4
-80° to -70°	1.15E+13	349.4	94.4	254.9	4.07E+12	562.5	216.1	346.4	7.42E+12	232.4	27.7	204.7	15.1	1.4	13.7	45.3	6.6	38.7	-1.4	-1.4	0.0
-70° to -60°	1.88E+13	732.7	220.2	512.5	1.74E+13	744.5	228.4	516.1	1.31E+12	575.6	111.0	464.5	97.9	-32.8	130.7	106.0	-33.2	139.1	-9.2	-27.6	18.3
-60° to -50°	2.55E+13	1015.9	401.2	614.7	2.53E+13	1015.2	399.3	615.8	1.31E+11	1165.3	764.1	401.2	94.4	-26.9	121.3	94.9	-27.2	122.0	4.8	22.8	-18.0
-50° to -40°	3.14E+13	1058.1	788.5	269.6	3.04E+13	1055.8	783.1	272.7	1.02E+12	1128.4	948.9	179.5	-45.4	12.3	-57.7	-44.0	12.3	-56.3	-87.9	11.4	-99.3
-40° to -30°	3.64E+13	816.8	1209.9	-393.1	3.21E+13	852.6	1283.7	-431.2	4.22E+12	544.4	647.8	-103.5	-45.2	46.1	-91.3	-52.1	48.4	-100.5	7.5	28.4	-20.9
-30° to -20°	4.02E+13	716.9	1442.2	-725.3	3.08E+13	687.5	1652.9	-965.3	9.41E+12	813.1	751.9	61.1	-12.6	35.3	-47.8	-35.2	34.0	-69.3	61.8	39.3	22.5
-20° to -10°	4.29E+13	1138.8	1611.5	-472.7	3.30E+13	1063.3	1797.1	-733.8	9.92E+12	1389.6	995.1	394.4	-14.9	38.6	-53.5	-55.5	44.6	-100.1	119.8	18.7	101.1
-10° to 0°	4.42E+13	1649.3	1442.7	206.6	3.44E+13	1594.6	1517.0	77.6	9.81E+12	1841.5	1182.2	659.3	43.1	52.0	-8.9	4.9	54.6	-49.8	177.2	42.8	134.3
0° to 10°	4.42E+13	2008.6	1368.5	640.1	3.47E+13	2050.1	1425.7	624.5	9.56E+12	1858.0	1161.3	696.7	118.5	12.9	105.6	105.7	5.1	100.6	164.9	41.0	124.0
10° to 20°	4.29E+13	1275.8	1537.1	-261.4	3.21E+13	1355.2	1779.4	-424.2	1.08E+13	1039.5	816.0	223.4	29.6	27.6	2.0	11.6	26.6	-15.0	83.0	30.5	52.5
20° to 30°	4.02E+13	668.0	1237.2	-569.2	2.53E+13	714.7	1674.8	-960.1	1.49E+13	588.5	492.2	96.3	13.7	51.2	-37.5	-22.2	52.8	-75.0	74.9	48.5	26.3
30° to 40°	3.64E+13	804.7	981.8	-177.1	2.18E+13	964.2	1319.3	-355.1	1.46E+13	565.7	476.3	89.4	-14.1	60.7	-74.8	-36.1	80.5	-116.7	19.0	31.0	-12.1
40° to 50°	3.14E+13	907.3	641.4	265.9	1.53E+13	1192.8	792.8	399.9	1.61E+13	635.9	497.4	138.5	14.4	39.5	-25.1	24.8	45.7	-20.9	4.5	33.5	-29.0
50° to 60°	2.55E+13	916.4	485.2	431.2	1.13E+13	1142.1	551.1	591.0	1.41E+13	734.9	432.2	302.7	111.9	41.2	70.7	137.7	16.4	121.3	91.1	61.2	29.9
60° to 70°	1.88E+13	695.2	312.6	382.6	5.63E+12	889.6	422.9	466.6	1.31E+13	611.8	265.3	346.6	129.6	35.5	94.1	143.3	21.9	121.4	123.8	41.4	82.4
70° to 80°	1.15E+13	348.2	129.2	219.0	7.02E+12	365.5	149.4	216.0	4.47E+12	320.9	97.4	223.6	76.9	30.0	46.9	82.5	36.4	46.1	68.1	20.0	48.1
80° to 90°	3.86E+12	246.8	41.1	205.7	3.28E+12	249.0	44.2	204.9	5.72E+11	233.9	23.5	210.4	73.5	16.7	56.8	74.5	19.2	55.3	67.5	2.5	65.0

MIUB-ECHO-G_Set3

	2070 - 2099 (A2, Run3) E' = 0.974381												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1035.7	1035.7	0	3.64E+14	1112.0	1215.0	-103.0	1.45E+14	844.3	586.3	258.0	31.4	31.4	0.0	13.5	29.5	-16.1	76.4	36.2	40.2
-90° to -80°	3.86E+12	104.4	1.6	102.8	3.58E+03	150.3	2.4	147.9	3.86E+12	104.4	1.6	102.8	-2.5	-1.1	-1.4	4.3	4.3	0.0	-2.5	-1.1	-1.4
-80° to -70°	1.15E+13	351.4	96.2	255.2	4.07E+12	563.7	220.6	343.0	7.42E+12	235.0	28.0	207.0	17.2	3.2	14.0	46.5	11.1	35.3	1.1	-1.2	2.3
-70° to -60°	1.88E+13	754.7	218.7	536.1	1.74E+13	767.9	227.2	540.7	1.31E+12	579.0	104.2	474.8	119.9	-34.3	154.3	129.4	-34.3	163.7	-5.7	-34.4	28.6
-60° to -50°	2.55E+13	1029.9	404.5	625.3	2.53E+13	1029.1	402.7	626.5	1.31E+11	1174.7	769.4	405.3	108.3	-23.6	131.9	108.8	-23.8	132.6	14.2	28.1	-13.9
-50° to -40°	3.14E+13	1053.3	793.9	259.4	3.04E+13	1051.5	788.8	262.7	1.02E+12	1105.1	944.9	160.3	-50.3	17.7	-68.0	-48.2	18.1	-66.3	-111.2	7.4	-118.6
-40° to -30°	3.64E+13	810.0	1216.2	-406.2	3.21E+13	843.9	1289.9	-446.0	4.22E+12	551.9	655.8	-103.9	-51.9	52.5	-104.4	-60.7	54.6	-115.3	15.1	36.4	-21.3
-30° to -20°	4.02E+13	718.9	1443.3	-724.3	3.08E+13	682.4	1650.0	-967.6	9.41E+12	838.5	765.6	72.9	-10.5	36.3	-46.9	-40.4	31.2	-71.6	87.2	53.0	34.2
-20° to -10°	4.29E+13	1136.7	1612.3	-475.6	3.30E+13	1058.4	1798.2	-739.8	9.92E+12	1396.6	994.7	401.9	-17.1	39.4	-56.4	-60.4	45.8	-106.1	126.8	18.3	108.5
-10° to 0°	4.42E+13	1654.7	1438.5	216.2	3.44E+13	1604.0	1514.1	89.9	9.81E+12	1832.9	1173.3	659.6	48.5	47.8	0.7	14.3	51.8	-37.5	168.6	34.0	134.6
0° to 10°	4.42E+13	2012.2	1355.1	657.2	3.47E+13	2056.5	1407.2	649.3	9.56E+12	1852.0	1166.2	685.8	122.1	-0.6	122.7	112.0	-13.4	125.4	159.0	45.8	113.1
10° to 20°	4.29E+13	1266.3	1540.1	-273.8	3.21E+13	1340.2	1780.1	-439.9	1.08E+13	1046.3	825.4	220.9	20.1	30.5	-10.4	-3.3	27.4	-30.7	89.9	39.9	50.0
20° to 30°	4.02E+13	663.2	1246.1	-583.0	2.53E+13	706.9	1689.1	-982.2	1.49E+13	588.6	492.0	96.6	8.9	60.2	-51.3	-29.9	67.1	-97.0	75.0	48.4	26.6
30° to 40°	3.64E+13	793.3	981.5	-188.3	2.18E+13	952.5	1321.3	-368.8	1.46E+13	554.7	472.5	82.2	-25.5	60.4	-85.9	-47.8	82.6	-130.4	8.0	27.3	-19.3
40° to 50°	3.14E+13	910.1	644.3	265.8	1.53E+13	1198.6	797.5	401.1	1.61E+13	635.8	498.7	137.1	17.2	42.4	-25.2	30.7	50.4	-19.7	4.4	34.9	-30.4
50° to 60°	2.55E+13	926.0	486.6	439.4	1.13E+13	1148.6	549.3	599.2	1.41E+13	747.0	436.2	310.8	121.5	42.6	78.8	144.2	14.6	129.5	103.2	65.1	38.1
60° to 70°	1.88E+13	706.0	313.7	392.3	5.63E+12	900.2	423.1	477.0	1.31E+13	622.7	266.8	355.9	140.4	36.6	103.7	153.9	22.1	131.8	134.6	42.8	91.7
70° to 80°	1.15E+13	359.1	134.0	225.2	7.02E+12	375.7	155.4	220.4	4.47E+12	333.1	100.4	232.6	87.9	34.8	53.1	92.8	42.4	50.4	80.2	23.0	57.2
80° to 90°	3.86E+12	251.9	42.0	209.9	3.28E+12	253.6	45.0	208.6	5.72E+11	241.8	24.6	217.2	78.6	17.6	61.0	79.1	20.0	59.1	75.4	3.6	71.8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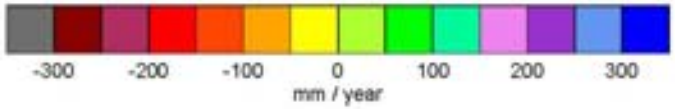
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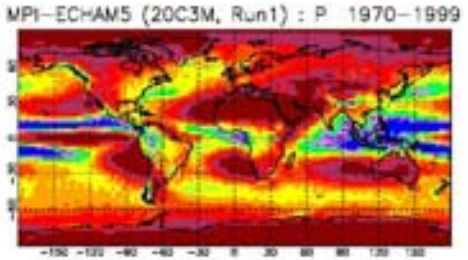
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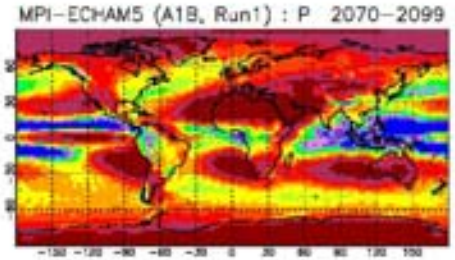
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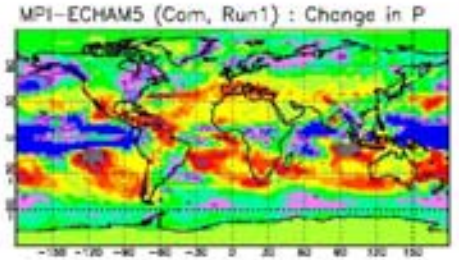
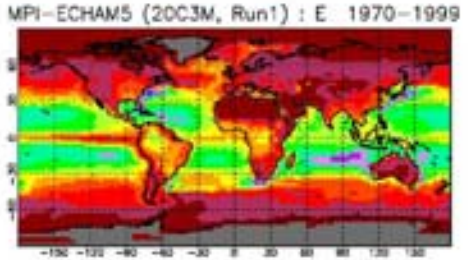

MPI-ECHAM5 (Com, Run1) : Change in P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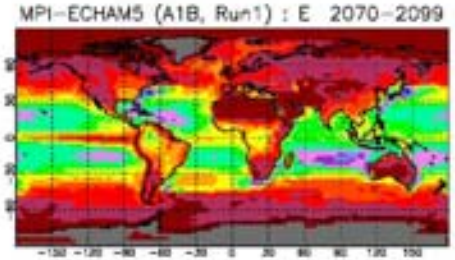
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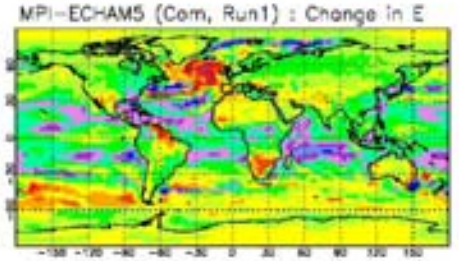
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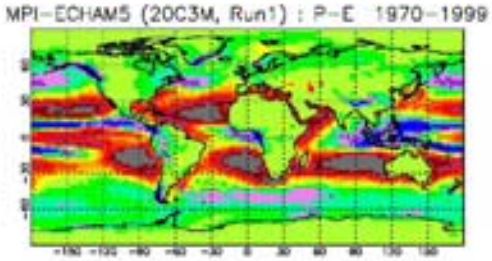
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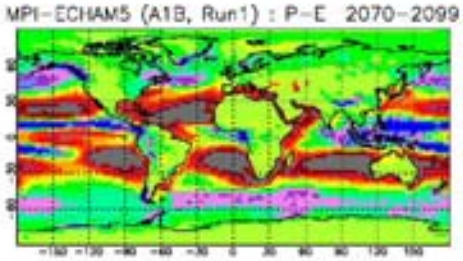
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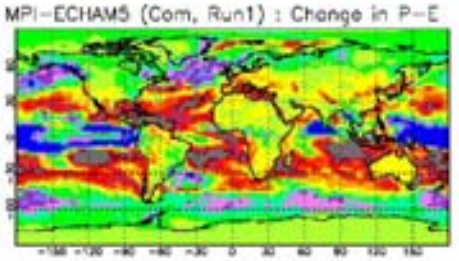
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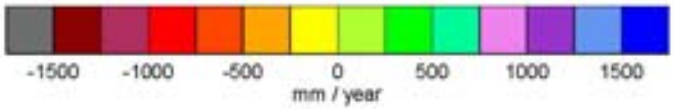
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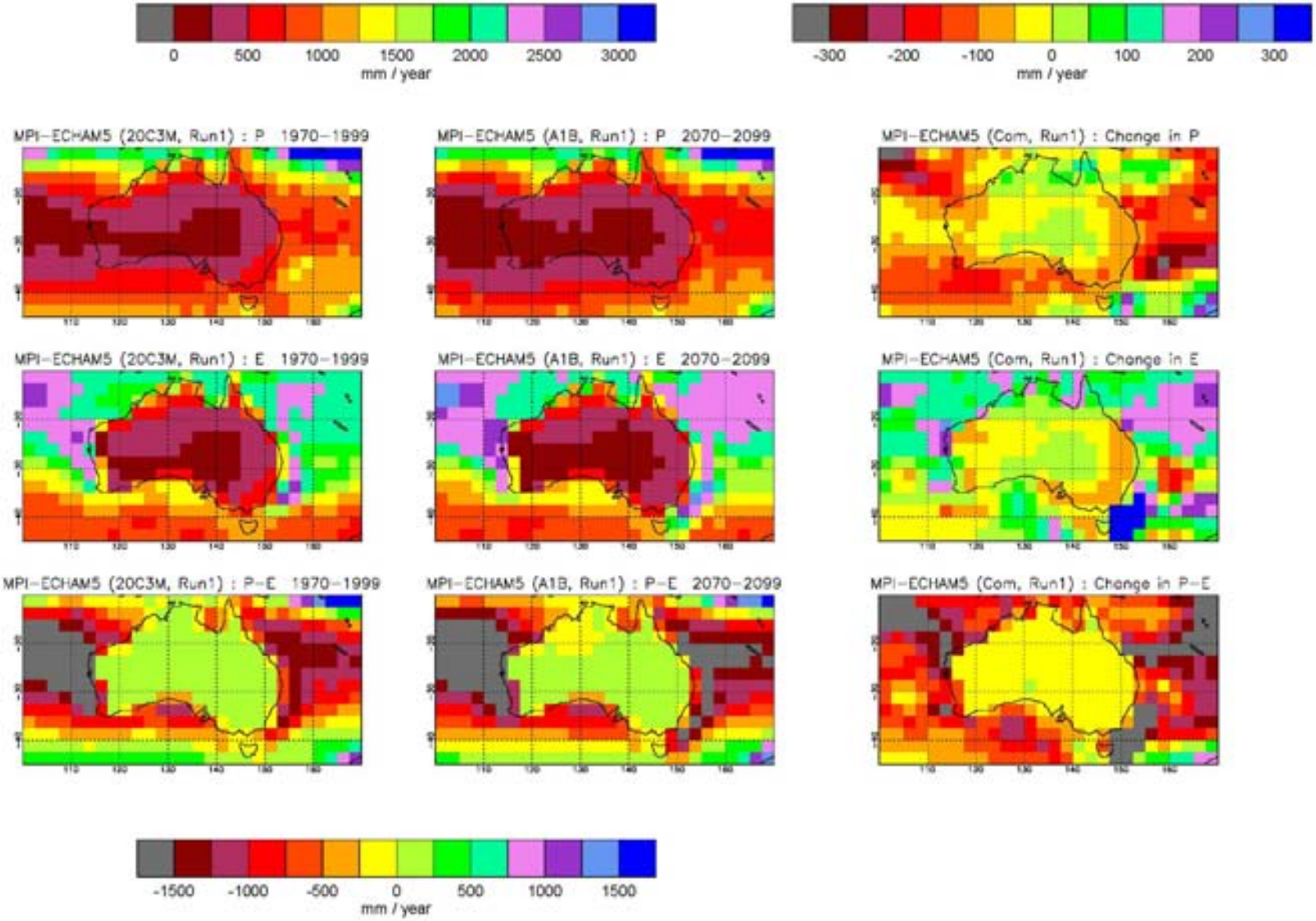
1000
1500
mm / year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mm / year
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mm / year
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MPI-ECHAM5 (A1B, Run1) : P 2070-2099
MPI-ECHAM5 (Com, Run1) : Change in P
MPI-ECHAM5 (20C3M, Run1) : E 1970-1999
MPI-ECHAM5 (A1B, Run1) : E 2070-2099
MPI-ECHAM5 (Com, Run1) : Change in E
MPI-ECHAM5 (20C3M, Run1) : P-E 1970-1999
MPI-ECHAM5 (A1B, Run1) : P-E 2070-2099
MPI-ECHAM5 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MPI-ECHAM5_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	695.1	492.4	202.7	1.47E+14	741.3	522.1	219.1	46.1	29.7	16.4
Australia	7.71E+12	412.6	469.2	-56.6	7.71E+12	390.7	465.6	-74.9	-21.9	-3.7	-18.3
New Zealand	1.79E+11	1211.0	845.7	365.4	1.79E+11	1300.6	908.8	391.8	89.5	63.1	26.4
South America	1.83E+13	1241.2	957.1	284.1	1.83E+13	1264.6	980.8	283.8	23.4	23.7	-0.3
North America	2.38E+13	783.9	456.6	327.4	2.38E+13	884.2	501.9	382.3	100.3	45.3	55.0
Europe	6.57E+12	687.2	457.0	230.2	6.57E+12	682.2	464.3	217.9	-5.0	7.3	-12.3
Africa	2.94E+13	604.5	548.4	56.1	2.94E+13	628.1	574.4	53.8	23.7	26.0	-2.3
Middle East	4.99E+12	72.8	145.3	-72.5	4.99E+12	68.7	150.2	-81.5	-4.1	4.9	-9.0
Asia	3.84E+13	640.4	390.1	250.3	3.84E+13	697.6	430.7	266.9	57.2	40.5	16.6
Southeast Asia	4.00E+12	1747.3	1220.9	526.4	4.00E+12	1942.8	1323.8	619.0	195.5	102.9	92.6
Antarctica	1.35E+13	182.9	5.8	177.1	1.35E+13	212.6	8.6	204.0	29.7	2.8	26.8

MPI-ECHAM5_Set1

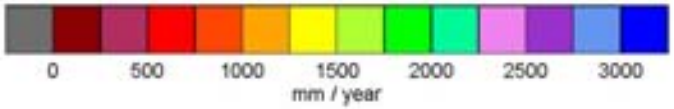
	1970 - 1999 (20C3M, Run1) E' = 0.983985											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1060.6	1060.6	0	3.62E+14	1209.4	1292.0	-82.5	1.47E+14	695.1	492.4	202.7
-90° to -80°	3.86E+12	97.5	-3.8	101.3	3.58E+03	94.5	-2.7	97.2	3.86E+12	97.5	-3.8	101.3
-80° to -70°	1.15E+13	274.6	37.5	237.1	3.54E+12	504.0	117.4	386.5	7.95E+12	172.4	1.9	170.5
-70° to -60°	1.88E+13	740.9	246.4	494.5	1.71E+13	771.1	266.0	505.1	1.67E+12	432.1	46.3	385.8
-60° to -50°	2.55E+13	1098.5	477.4	621.1	2.52E+13	1098.0	476.7	621.3	2.18E+11	1154.2	559.3	595.0
-50° to -40°	3.14E+13	1208.8	799.8	409.0	3.05E+13	1209.7	808.5	401.2	9.28E+11	1180.3	513.3	667.1
-40° to -30°	3.64E+13	861.5	1188.1	-326.6	3.22E+13	906.8	1272.6	-365.8	4.20E+12	515.2	541.5	-26.3
-30° to -20°	4.02E+13	661.8	1522.2	-860.4	3.09E+13	681.6	1809.9	-1128.2	9.31E+12	596.0	567.5	28.5
-20° to -10°	4.29E+13	1340.5	1776.6	-436.1	3.34E+13	1427.6	2027.5	-599.9	9.44E+12	1031.6	887.2	144.5
-10° to 0°	4.42E+13	1643.2	1476.7	166.5	3.45E+13	1679.0	1571.2	107.8	9.76E+12	1516.8	1143.0	373.8
0° to 10°	4.42E+13	1754.8	1422.7	332.1	3.43E+13	1899.6	1549.1	350.6	9.96E+12	1256.7	988.2	268.5
10° to 20°	4.29E+13	1444.2	1524.7	-80.5	3.17E+13	1739.0	1865.5	-126.5	1.12E+13	608.5	558.6	50.0
20° to 30°	4.02E+13	680.1	1236.4	-556.3	2.52E+13	792.3	1761.8	-969.5	1.50E+13	491.9	355.0	136.9
30° to 40°	3.64E+13	867.9	999.6	-131.7	2.09E+13	1053.7	1401.9	-348.2	1.55E+13	617.6	457.6	160.0
40° to 50°	3.14E+13	937.3	575.5	361.8	1.54E+13	1262.5	718.7	543.8	1.60E+13	623.3	437.2	186.0
50° to 60°	2.55E+13	915.6	480.8	434.8	1.07E+13	1160.5	586.5	574.0	1.47E+13	736.8	403.7	333.1
60° to 70°	1.88E+13	657.2	289.3	368.0	5.08E+12	839.1	453.4	385.7	1.37E+13	589.6	228.3	361.4
70° to 80°	1.15E+13	368.2	144.3	223.9	7.85E+12	393.3	182.0	211.3	3.63E+12	314.1	62.8	251.3
80° to 90°	3.86E+12	255.0	40.5	214.6	3.49E+12	260.9	44.5	216.4	3.71E+11	199.6	2.3	197.4

MPI-ECHAM5_Set1

	2070 - 2099 (A1B, Run1) E' = 0.980993												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1122.6	1122.6	0	3.62E+14	1277.8	1367.0	-89.2	1.47E+14	741.3	522.1	219.1	62.0	62.0	0.0	68.4	75.1	-6.7	46.1	29.7	16.4
-90° to -80°	3.86E+12	111.6	-3.9	115.5	3.58E+03	85.9	-1.7	87.6	3.86E+12	111.6	-3.9	115.5	14.1	-0.1	14.2	-8.6	1.0	-9.6	14.1	-0.1	14.2
-80° to -70°	1.15E+13	325.5	50.9	274.6	3.54E+12	599.8	155.8	444.0	7.95E+12	203.3	4.2	199.1	50.9	13.4	37.5	95.8	38.3	57.5	30.9	2.3	28.7
-70° to -60°	1.88E+13	855.8	261.3	594.6	1.71E+13	891.3	281.1	610.3	1.67E+12	492.3	58.7	433.6	114.9	14.8	100.1	120.3	15.1	105.2	60.1	12.3	47.8
-60° to -50°	2.55E+13	1222.2	452.4	769.8	2.52E+13	1222.5	451.4	771.0	2.18E+11	1187.6	562.5	625.1	123.7	-25.0	148.7	124.4	-25.3	149.7	33.4	3.3	30.1
-50° to -40°	3.14E+13	1238.5	822.2	416.3	3.05E+13	1243.3	831.0	412.4	9.28E+11	1079.5	534.7	544.8	29.7	22.4	7.2	33.6	22.4	11.2	-100.9	21.4	-122.3
-40° to -30°	3.64E+13	805.2	1222.8	-417.5	3.22E+13	844.9	1311.4	-466.5	4.20E+12	501.9	544.2	-42.3	-56.3	34.7	-90.9	-61.9	38.8	-100.7	-13.4	2.7	-16.0
-30° to -20°	4.02E+13	603.5	1590.5	-987.0	3.09E+13	608.6	1900.3	-1291.8	9.31E+12	586.6	561.9	24.7	-58.3	68.2	-126.5	-73.0	90.5	-163.5	-9.5	-5.6	-3.8
-20° to -10°	4.29E+13	1308.6	1911.2	-602.6	3.34E+13	1385.8	2195.1	-809.3	9.44E+12	1035.1	904.9	130.1	-31.8	134.7	-166.5	-41.8	167.6	-209.4	3.4	17.8	-14.4
-10° to 0°	4.42E+13	1827.1	1576.7	250.4	3.45E+13	1895.1	1683.3	211.8	9.76E+12	1586.8	1200.1	386.7	183.9	100.0	83.9	216.1	112.1	104.0	70.0	57.1	12.9
0° to 10°	4.42E+13	1997.2	1518.7	478.5	3.43E+13	2178.4	1648.4	530.0	9.96E+12	1374.1	1073.0	301.1	242.4	96.0	146.4	278.8	99.3	179.5	117.4	84.8	32.7
10° to 20°	4.29E+13	1517.6	1626.2	-108.6	3.17E+13	1831.9	1996.8	-164.9	1.12E+13	626.6	575.7	50.9	73.4	101.5	-28.2	92.9	131.3	-38.4	18.1	17.1	1.0
20° to 30°	4.02E+13	680.1	1326.9	-646.9	2.52E+13	786.2	1895.1	-1108.9	1.50E+13	502.1	373.9	128.2	0.0	90.5	-90.6	-6.2	133.3	-139.4	10.2	18.9	-8.6
30° to 40°	3.64E+13	850.5	1033.2	-182.7	2.09E+13	1024.6	1450.7	-426.1	1.55E+13	615.9	470.7	145.3	-17.4	33.6	-51.0	-29.1	48.8	-77.8	-1.7	13.1	-14.8
40° to 50°	3.14E+13	1009.2	615.7	393.5	1.54E+13	1370.0	762.2	607.7	1.60E+13	660.7	474.2	186.5	71.9	40.2	31.7	107.4	43.5	63.9	37.5	37.0	0.5
50° to 60°	2.55E+13	1033.7	510.2	523.4	1.07E+13	1282.9	574.7	708.3	1.47E+13	851.6	463.2	388.5	118.0	29.4	88.6	122.4	-11.8	134.2	114.8	59.5	55.3
60° to 70°	1.88E+13	785.8	326.4	459.5	5.08E+12	965.3	477.9	487.4	1.37E+13	719.2	270.1	449.1	128.6	37.1	91.5	126.2	24.5	101.7	129.6	41.8	87.8
70° to 80°	1.15E+13	460.3	198.1	262.2	7.85E+12	487.5	250.8	236.7	3.63E+12	401.7	84.2	317.4	92.1	53.8	38.3	94.2	68.8	25.4	87.6	21.5	66.1
80° to 90°	3.86E+12	344.5	57.7	286.8	3.49E+12	350.2	63.5	286.7	3.71E+11	290.7	3.0	287.7	89.5	17.2	72.3	89.3	19.0	70.4	91.1	0.7	90.3

MPI-ECHAM5_Set1

	2070 - 2099 (A2, Run1) E' = 0.980829												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1121.3	1121.3	0	3.62E+14	1274.4	1364.5	-90.1	1.47E+14	745.1	523.7	221.4	60.7	60.7	0.0	65.0	72.6	-7.6	50.0	31.3	18.6
-90° to -80°	3.86E+12	111.1	-3.8	114.9	3.58E+03	111.6	0.5	111.1	3.86E+12	111.1	-3.8	114.9	13.6	0.0	13.6	17.2	3.2	14.0	13.6	0.0	13.6
-80° to -70°	1.15E+13	329.8	54.3	275.5	3.54E+12	601.5	166.1	435.4	7.95E+12	208.8	4.6	204.3	55.3	16.8	38.4	97.5	48.6	48.9	36.4	2.6	33.8
-70° to -60°	1.88E+13	867.8	261.2	606.5	1.71E+13	903.1	281.1	622.0	1.67E+12	505.5	57.3	448.2	126.9	14.8	112.1	132.1	15.2	116.9	73.4	11.0	62.5
-60° to -50°	2.55E+13	1230.3	452.3	777.9	2.52E+13	1230.8	451.4	779.4	2.18E+11	1165.9	556.2	609.7	131.7	-25.1	156.8	132.8	-25.3	158.1	11.7	-3.0	14.7
-50° to -40°	3.14E+13	1226.4	824.1	402.3	3.05E+13	1231.9	833.0	398.9	9.28E+11	1044.5	531.9	512.6	17.6	24.3	-6.8	22.3	24.5	-2.3	-135.8	18.6	-154.4
-40° to -30°	3.64E+13	800.4	1224.1	-423.7	3.22E+13	838.7	1312.2	-473.5	4.20E+12	507.0	549.8	-42.8	-61.1	36.0	-97.2	-68.1	39.7	-107.7	-8.3	8.3	-16.5
-30° to -20°	4.02E+13	606.8	1597.9	-991.0	3.09E+13	605.0	1904.3	-1299.3	9.31E+12	612.9	580.5	32.3	-55.0	75.6	-130.6	-76.6	94.5	-171.1	16.8	13.0	3.8
-20° to -10°	4.29E+13	1331.0	1911.0	-580.0	3.34E+13	1407.5	2191.9	-784.4	9.44E+12	1059.9	915.5	144.4	-9.5	134.4	-143.9	-20.1	164.4	-184.5	28.3	28.4	-0.1
-10° to 0°	4.42E+13	1831.4	1569.3	262.1	3.45E+13	1898.3	1671.7	226.6	9.76E+12	1595.1	1207.9	387.2	188.2	92.6	95.5	219.3	100.5	118.8	78.3	64.9	13.4
0° to 10°	4.42E+13	1982.3	1512.6	469.7	3.43E+13	2161.5	1641.3	520.2	9.96E+12	1366.0	1070.0	296.0	227.5	89.9	137.6	261.9	92.3	169.6	109.4	81.8	27.6
10° to 20°	4.29E+13	1516.7	1623.1	-106.4	3.17E+13	1833.4	1994.2	-160.8	1.12E+13	619.1	571.2	47.9	72.5	98.4	-25.9	94.3	128.7	-34.4	10.6	12.7	-2.1
20° to 30°	4.02E+13	658.0	1328.4	-670.4	2.52E+13	750.8	1898.7	-1147.9	1.50E+13	502.3	371.8	130.6	-22.1	92.0	-114.1	-41.6	136.9	-178.5	10.5	16.7	-6.3
30° to 40°	3.64E+13	841.7	1034.8	-193.1	2.09E+13	1002.6	1448.8	-446.1	1.55E+13	624.8	477.1	147.7	-26.2	35.2	-61.4	-51.0	46.9	-97.9	7.2	19.5	-12.3
40° to 50°	3.14E+13	1010.6	608.4	402.2	1.54E+13	1369.8	748.1	621.7	1.60E+13	663.6	473.5	190.1	73.2	32.9	40.3	107.3	29.4	77.9	40.3	36.3	4.1
50° to 60°	2.55E+13	1032.9	501.6	531.3	1.07E+13	1292.6	563.4	729.2	1.47E+13	843.3	456.5	386.8	117.3	20.8	96.5	132.1	-23.1	155.2	106.5	52.8	53.7
60° to 70°	1.88E+13	784.1	324.5	459.6	5.08E+12	950.2	473.1	477.1	1.37E+13	722.4	269.3	453.1	126.9	35.3	91.7	111.1	19.8	91.4	132.8	41.0	91.8
70° to 80°	1.15E+13	463.3	197.4	265.9	7.85E+12	489.3	249.8	239.5	3.63E+12	407.0	84.1	322.9	95.0	53.1	41.9	96.0	67.8	28.2	92.9	21.4	71.5
80° to 90°	3.86E+12	346.1	57.5	288.6	3.49E+12	353.6	63.4	290.2	3.71E+11	275.5	2.1	273.3	91.1	17.1	74.0	92.8	18.9	73.8	75.9	-0.1	76.0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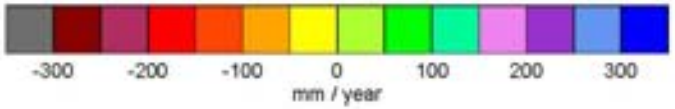
mm / year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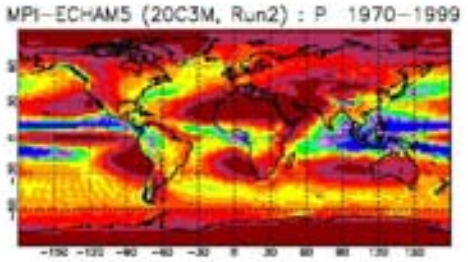
mm / year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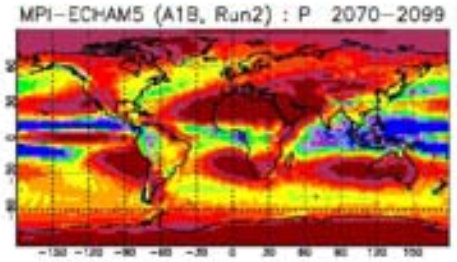
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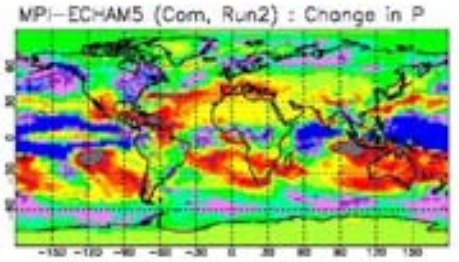
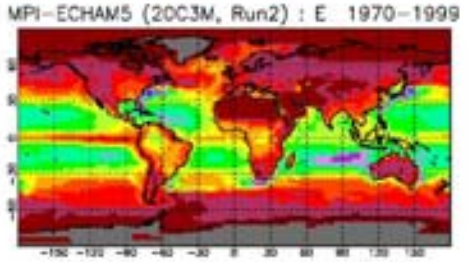

MPI-ECHAM5 (Com, Run2) : Change in P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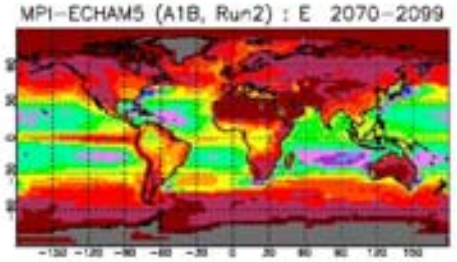
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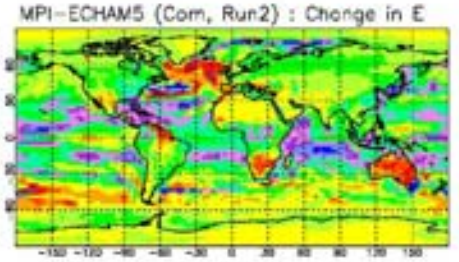
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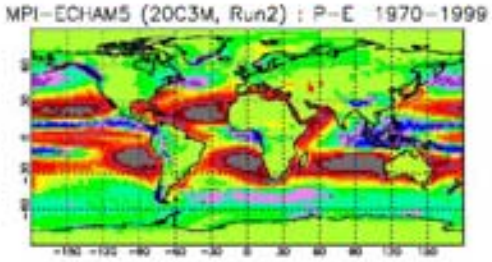
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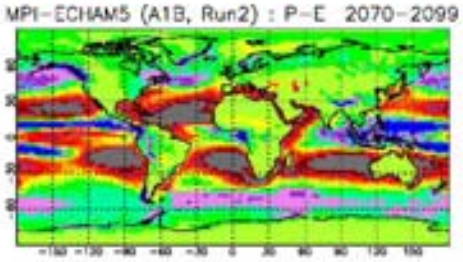
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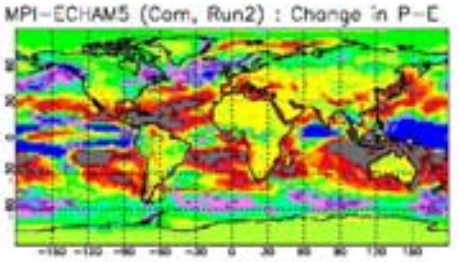
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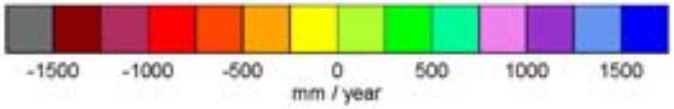
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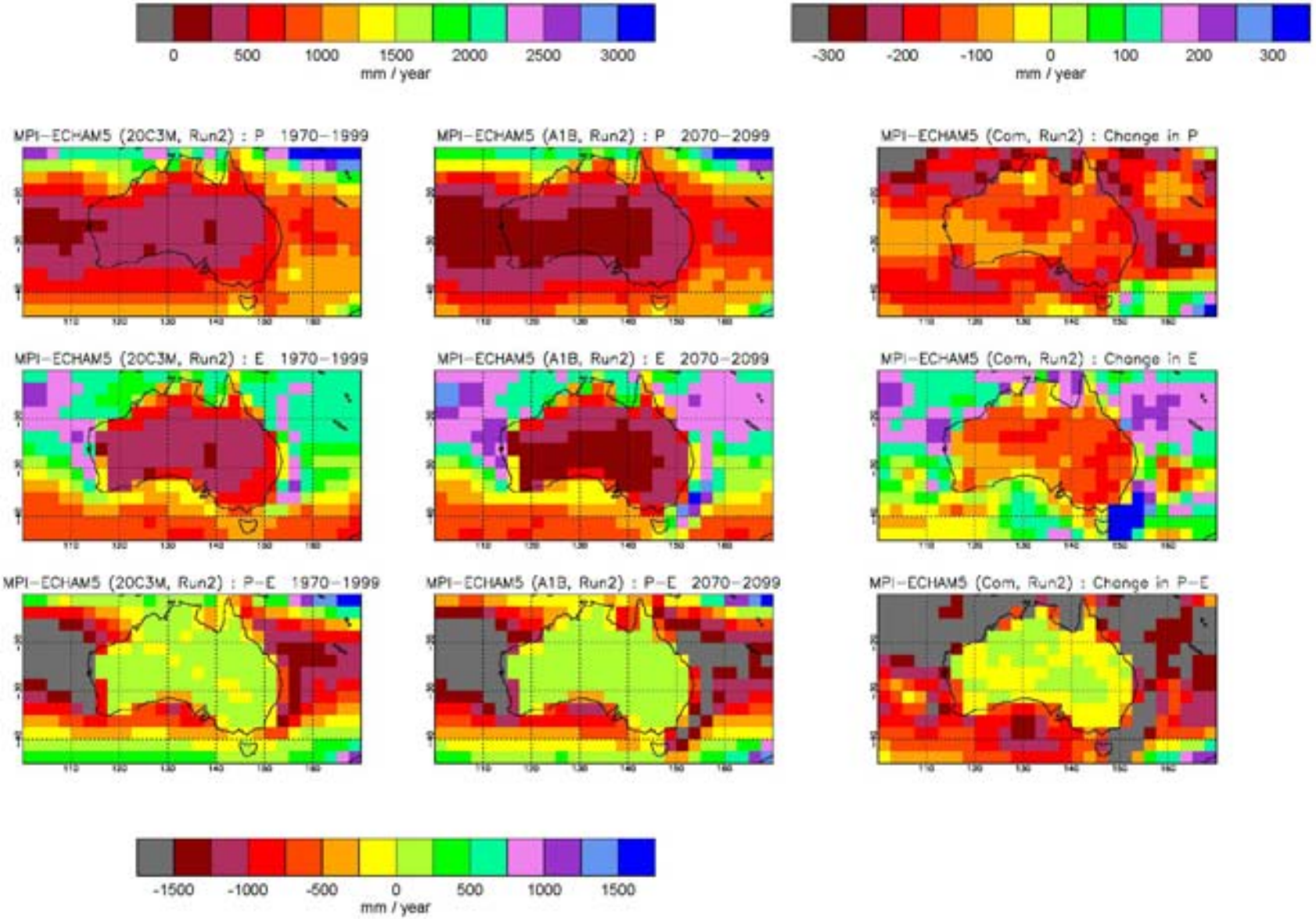
0
500
1000
1500
mm / year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mm / year
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mm / year
MPI-ECHAM5 (20C3M, Run2) : P 1970-1999
MPI-ECHAM5 (A1B, Run2) : P 2070-2099
MPI-ECHAM5 (Com, Run2) : Change in P
MPI-ECHAM5 (20C3M, Run2) : E 1970-1999
MPI-ECHAM5 (A1B, Run2) : E 2070-2099
MPI-ECHAM5 (Com, Run2) : Change in E
MPI-ECHAM5 (20C3M, Run2) : P-E 1970-1999
MPI-ECHAM5 (A1B, Run2) : P-E 2070-2099
MPI-ECHAM5 (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

MPI-ECHAM5_Set2

Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	699.9	495.5	204.4	1.47E+14	739.8	520.7	219.1	39.9	25.3	14.7
Australia	7.71E+12	497.8	546.4	-48.6	7.71E+12	369.7	447.5	-77.8	-128.1	-98.9	-29.2
New Zealand	1.79E+11	1203.9	842.2	361.7	1.79E+11	1272.3	902.1	370.2	68.4	59.9	8.5
South America	1.83E+13	1246.0	955.4	290.6	1.83E+13	1266.1	979.4	286.7	20.2	24.1	-3.9
North America	2.38E+13	766.2	452.5	313.7	2.38E+13	877.6	498.5	379.1	111.3	46.0	65.4
Europe	6.57E+12	688.9	456.0	232.9	6.57E+12	681.4	459.9	221.5	-7.6	3.9	-11.5
Africa	2.94E+13	605.4	548.0	57.4	2.94E+13	625.2	572.7	52.4	19.8	24.7	-4.9
Middle East	4.99E+12	71.0	141.9	-71.0	4.99E+12	62.7	147.8	-85.1	-8.3	5.8	-14.1
Asia	3.84E+13	648.2	390.1	258.0	3.84E+13	703.0	433.7	269.3	54.9	43.5	11.3
Southeast Asia	4.00E+12	1774.7	1225.6	549.1	4.00E+12	1947.5	1326.1	621.4	172.8	100.5	72.3
Antarctica	1.35E+13	182.2	5.8	176.4	1.35E+13	213.3	8.6	204.7	31.1	2.8	28.3

MPI-ECHAM5_Set2

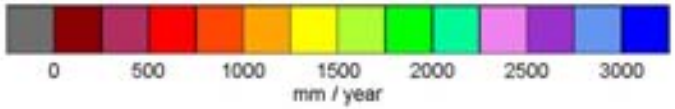
	1970 - 1999 (20C3M, Run2) E' = 0.984178											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1059.2	1059.2	0	3.62E+14	1205.4	1288.7	-83.2	1.47E+14	699.9	495.5	204.4
-90° to -80°	3.86E+12	97.7	-3.8	101.6	3.58E+03	137.4	-0.8	138.2	3.86E+12	97.7	-3.8	101.6
-80° to -70°	1.15E+13	269.9	37.1	232.8	3.54E+12	494.2	115.9	378.3	7.95E+12	170.0	2.0	168.0
-70° to -60°	1.88E+13	735.8	247.0	488.8	1.71E+13	764.9	266.5	498.4	1.67E+12	437.4	46.7	390.7
-60° to -50°	2.55E+13	1093.6	478.1	615.5	2.52E+13	1093.1	477.4	615.7	2.18E+11	1149.0	560.4	588.6
-50° to -40°	3.14E+13	1211.4	799.2	412.1	3.05E+13	1212.5	807.9	404.6	9.28E+11	1173.6	515.8	657.9
-40° to -30°	3.64E+13	868.1	1188.9	-320.9	3.22E+13	908.9	1269.3	-360.4	4.20E+12	555.3	573.5	-18.2
-30° to -20°	4.02E+13	668.5	1529.5	-861.0	3.09E+13	677.6	1807.8	-1130.2	9.31E+12	638.4	605.8	32.5
-20° to -10°	4.29E+13	1354.3	1773.8	-419.6	3.34E+13	1440.8	2021.5	-580.7	9.44E+12	1047.4	895.7	151.7
-10° to 0°	4.42E+13	1647.6	1466.8	180.8	3.45E+13	1685.2	1560.0	125.2	9.76E+12	1514.8	1138.0	376.8
0° to 10°	4.42E+13	1732.2	1417.9	314.4	3.43E+13	1867.9	1541.6	326.3	9.96E+12	1265.8	992.5	273.3
10° to 20°	4.29E+13	1433.5	1524.6	-91.1	3.17E+13	1721.1	1864.9	-143.7	1.12E+13	618.3	560.1	58.2
20° to 30°	4.02E+13	684.7	1241.0	-556.3	2.52E+13	789.5	1767.2	-977.7	1.50E+13	508.9	358.5	150.5
30° to 40°	3.64E+13	855.2	992.8	-137.6	2.09E+13	1041.4	1396.0	-354.6	1.55E+13	604.4	449.6	154.8
40° to 50°	3.14E+13	939.4	576.5	362.9	1.54E+13	1275.1	720.4	554.7	1.60E+13	615.2	437.5	177.7
50° to 60°	2.55E+13	912.5	472.8	439.7	1.07E+13	1156.5	570.2	586.3	1.47E+13	734.3	401.7	332.6
60° to 70°	1.88E+13	654.1	287.9	366.2	5.08E+12	836.4	455.4	381.0	1.37E+13	586.3	225.6	360.7
70° to 80°	1.15E+13	365.7	141.1	224.6	7.85E+12	390.8	177.2	213.6	3.63E+12	311.4	63.0	248.3
80° to 90°	3.86E+12	253.3	39.8	213.6	3.49E+12	260.0	43.8	216.2	3.71E+11	191.0	1.9	189.1

MPI-ECHAM5_Set2

	2070 - 2099 (A1B, Run2) E' = 0.981063												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1122.2	1122.2	0	3.62E+14	1277.9	1367.1	-89.2	1.47E+14	739.8	520.7	219.1	63.1	63.1	0.0	72.5	78.5	-6.0	39.9	25.3	14.7
-90° to -80°	3.86E+12	111.9	-3.9	115.8	3.58E+03	188.9	-2.3	191.2	3.86E+12	111.9	-3.9	115.8	14.1	-0.1	14.3	51.5	-1.5	53.0	14.1	-0.1	14.3
-80° to -70°	1.15E+13	323.9	53.5	270.5	3.54E+12	593.8	163.9	429.9	7.95E+12	203.7	4.3	199.4	54.0	16.4	37.6	99.6	48.0	51.6	33.7	2.3	31.4
-70° to -60°	1.88E+13	862.2	263.7	598.5	1.71E+13	898.0	283.7	614.2	1.67E+12	496.1	58.6	437.5	126.5	16.7	109.7	133.1	17.2	115.9	58.7	11.9	46.8
-60° to -50°	2.55E+13	1225.8	454.8	771.0	2.52E+13	1226.0	453.8	772.2	2.18E+11	1199.6	565.3	634.3	132.2	-23.3	155.5	132.9	-23.6	156.5	50.6	4.9	45.7
-50° to -40°	3.14E+13	1231.4	822.3	409.2	3.05E+13	1236.6	831.1	405.5	9.28E+11	1063.0	533.1	529.9	20.1	23.1	-3.0	24.1	23.2	0.8	-110.6	17.4	-128.0
-40° to -30°	3.64E+13	801.8	1221.9	-420.1	3.22E+13	841.7	1310.8	-469.1	4.20E+12	496.6	541.3	-44.7	-66.3	33.0	-99.2	-67.3	41.5	-108.7	-58.7	-32.2	-26.5
-30° to -20°	4.02E+13	599.6	1589.0	-989.4	3.09E+13	608.4	1901.9	-1293.5	9.31E+12	570.4	550.4	19.9	-69.0	59.5	-128.4	-69.2	94.0	-163.3	-68.0	-55.4	-12.6
-20° to -10°	4.29E+13	1313.7	1905.7	-592.1	3.34E+13	1394.4	2190.6	-796.2	9.44E+12	1027.5	895.9	131.6	-40.6	131.9	-172.5	-46.4	169.0	-215.5	-19.9	0.3	-20.1
-10° to 0°	4.42E+13	1841.9	1573.1	268.8	3.45E+13	1910.9	1677.5	233.4	9.76E+12	1598.3	1204.4	393.9	194.3	106.3	88.1	225.7	117.6	108.2	83.6	66.4	17.1
0° to 10°	4.42E+13	1995.4	1517.2	478.3	3.43E+13	2177.7	1647.1	530.7	9.96E+12	1368.7	1070.6	298.1	263.2	99.3	163.9	309.9	105.5	204.4	102.9	78.1	24.8
10° to 20°	4.29E+13	1507.5	1627.6	-120.2	3.17E+13	1819.1	1999.4	-180.3	1.12E+13	624.1	574.0	50.1	74.0	103.1	-29.1	98.0	134.5	-36.5	5.8	13.9	-8.1
20° to 30°	4.02E+13	672.1	1328.2	-656.1	2.52E+13	773.6	1896.6	-1123.0	1.50E+13	501.7	374.7	127.0	-12.6	87.2	-99.8	-15.9	129.4	-145.3	-7.2	16.3	-23.5
30° to 40°	3.64E+13	848.4	1033.2	-184.8	2.09E+13	1023.4	1450.9	-427.4	1.55E+13	612.6	470.6	142.0	-6.8	40.4	-47.3	-18.0	54.9	-72.9	8.2	21.0	-12.8
40° to 50°	3.14E+13	1019.0	622.1	396.9	1.54E+13	1384.4	773.8	610.6	1.60E+13	666.2	475.7	190.5	79.6	45.6	34.0	109.3	53.4	55.9	50.9	38.2	12.7
50° to 60°	2.55E+13	1036.5	506.4	530.0	1.07E+13	1285.1	569.6	715.6	1.47E+13	854.9	460.4	394.5	124.0	33.6	90.3	128.7	-0.6	129.3	120.5	58.7	61.9
60° to 70°	1.88E+13	778.3	326.6	451.7	5.08E+12	948.9	480.0	468.9	1.37E+13	714.9	269.6	445.3	124.2	38.7	85.5	112.5	24.6	87.9	128.6	44.0	84.6
70° to 80°	1.15E+13	456.5	199.0	257.5	7.85E+12	482.6	250.7	231.9	3.63E+12	400.0	87.3	312.8	90.8	57.9	32.9	91.8	73.5	18.3	88.7	24.2	64.5
80° to 90°	3.86E+12	336.9	58.1	278.8	3.49E+12	343.6	64.0	279.6	3.71E+11	273.7	2.4	271.3	83.5	18.3	65.3	83.6	20.2	63.5	82.7	0.5	82.2

MPI-ECHAM5_Set2

	2070 - 2099 (A2, Run2) E' = 0.980745												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1121.9	1121.9	0	3.62E+14	1273.3	1364.6	-91.3	1.47E+14	749.9	525.6	224.3	62.7	62.7	0.0	67.9	75.9	-8.1	50.0	30.1	19.8
-90° to -80°	3.86E+12	111.4	-3.6	115.0	3.58E+03	171.8	-3.2	174.9	3.86E+12	111.4	-3.6	115.0	13.6	0.2	13.4	34.4	-2.3	36.7	13.6	0.2	13.4
-80° to -70°	1.15E+13	330.8	54.4	276.4	3.54E+12	603.5	166.4	437.1	7.95E+12	209.3	4.5	204.8	60.9	17.3	43.6	109.3	50.4	58.9	39.3	2.5	36.8
-70° to -60°	1.88E+13	871.8	262.8	609.0	1.71E+13	908.0	282.7	625.3	1.67E+12	500.7	58.8	441.9	136.0	15.8	120.2	143.1	16.1	127.0	63.3	12.1	51.2
-60° to -50°	2.55E+13	1239.7	450.2	789.5	2.52E+13	1240.4	449.3	791.0	2.18E+11	1168.9	554.1	614.7	146.2	-27.9	174.0	147.3	-28.1	175.3	19.9	-6.2	26.1
-50° to -40°	3.14E+13	1214.6	831.9	382.6	3.05E+13	1219.8	841.0	378.8	9.28E+11	1041.9	534.4	507.5	3.2	32.7	-29.5	7.3	33.1	-25.8	-131.7	18.6	-150.4
-40° to -30°	3.64E+13	793.9	1225.7	-431.8	3.22E+13	830.8	1313.6	-482.8	4.20E+12	511.7	552.9	-41.2	-74.2	36.7	-110.9	-78.2	44.2	-122.4	-43.6	-20.6	-22.9
-30° to -20°	4.02E+13	608.7	1595.8	-987.1	3.09E+13	606.6	1901.8	-1295.2	9.31E+12	615.6	580.2	35.4	-59.9	66.3	-126.1	-71.0	94.0	-165.0	-22.8	-25.6	2.8
-20° to -10°	4.29E+13	1342.9	1905.5	-562.6	3.34E+13	1425.5	2185.1	-759.6	9.44E+12	1050.1	914.5	135.6	-11.3	131.7	-143.0	-15.3	163.5	-178.8	2.7	18.8	-16.1
-10° to 0°	4.42E+13	1836.3	1563.1	273.2	3.45E+13	1904.2	1665.1	239.1	9.76E+12	1596.9	1202.9	393.9	188.7	96.3	92.5	219.0	105.1	113.8	82.1	64.9	17.1
0° to 10°	4.42E+13	1971.4	1517.2	454.2	3.43E+13	2139.3	1644.0	495.4	9.96E+12	1393.9	1081.3	312.6	239.1	99.3	139.8	271.4	102.4	169.1	128.1	88.8	39.3
10° to 20°	4.29E+13	1509.6	1630.8	-121.2	3.17E+13	1816.4	2000.0	-183.5	1.12E+13	639.8	584.5	55.3	76.1	106.2	-30.2	95.3	135.1	-39.8	21.5	24.4	-2.9
20° to 30°	4.02E+13	671.9	1327.9	-656.0	2.52E+13	765.7	1893.7	-1128.0	1.50E+13	514.5	378.7	135.8	-12.8	86.9	-99.7	-23.8	126.6	-150.3	5.6	20.2	-14.7
30° to 40°	3.64E+13	835.2	1027.5	-192.3	2.09E+13	998.6	1439.1	-440.5	1.55E+13	615.1	472.9	142.2	-20.0	34.7	-54.7	-42.8	43.1	-85.9	10.7	23.3	-12.6
40° to 50°	3.14E+13	1006.3	619.9	386.4	1.54E+13	1370.8	772.0	598.9	1.60E+13	654.2	472.9	181.2	66.9	43.4	23.5	95.7	51.5	44.2	39.0	35.5	3.5
50° to 60°	2.55E+13	1044.2	506.3	537.9	1.07E+13	1294.8	567.8	727.0	1.47E+13	861.2	461.4	399.8	131.7	33.5	98.2	138.3	-2.4	140.7	126.9	59.7	67.1
60° to 70°	1.88E+13	790.2	321.1	469.0	5.08E+12	957.2	469.4	487.8	1.37E+13	728.1	266.1	462.0	136.1	33.3	102.8	120.8	14.0	106.8	141.8	40.4	101.4
70° to 80°	1.15E+13	462.8	194.2	268.6	7.85E+12	488.3	245.1	243.2	3.63E+12	407.9	84.0	323.8	97.2	53.1	44.1	97.5	67.9	29.5	96.5	21.0	75.5
80° to 90°	3.86E+12	340.4	55.2	285.2	3.49E+12	346.2	60.8	285.4	3.71E+11	285.6	1.9	283.7	87.1	15.4	71.7	86.3	17.0	69.2	94.6	0.0	94.6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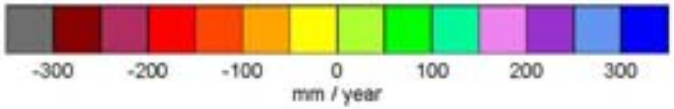
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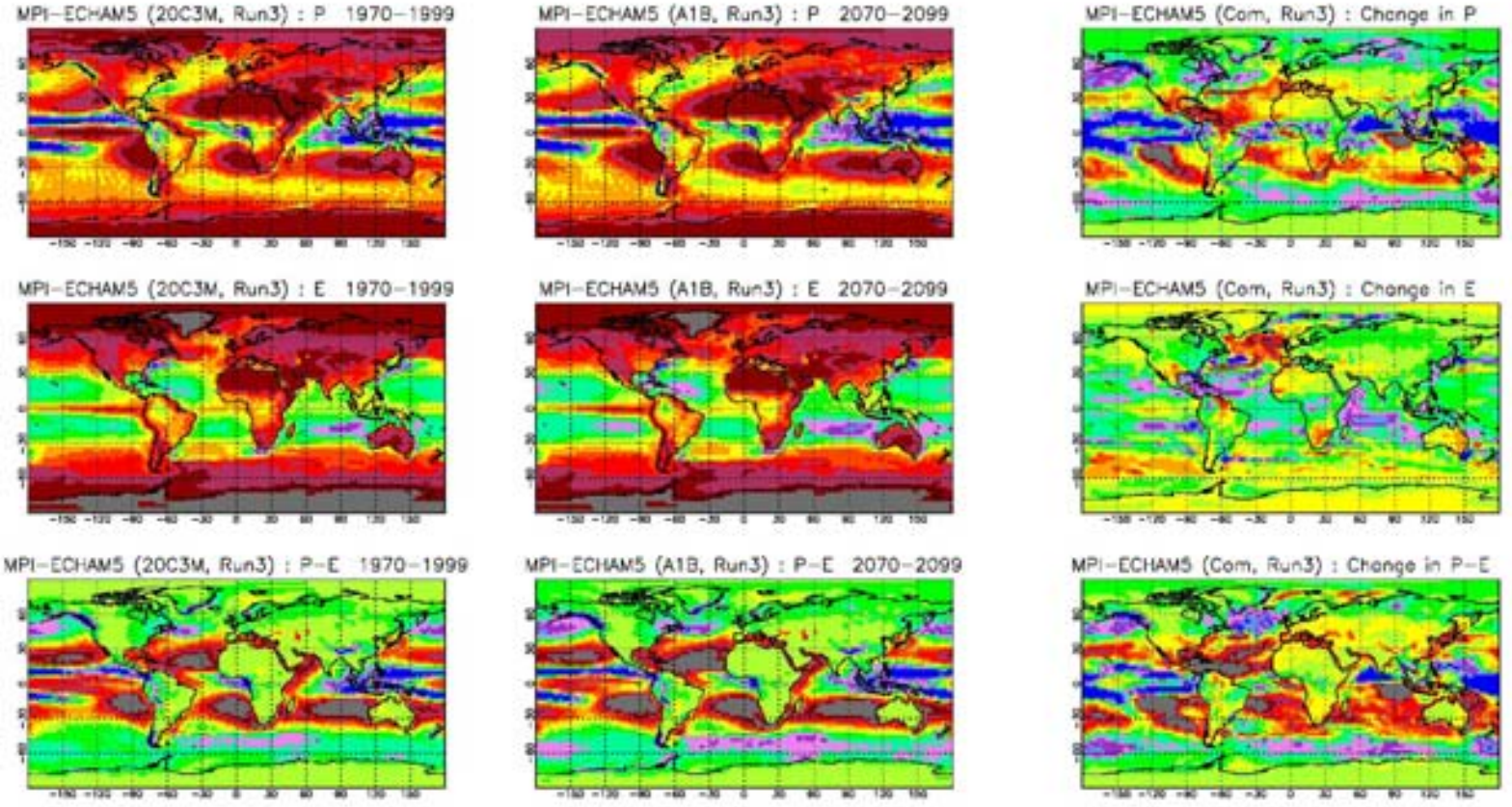
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MPI-ECHAM5 (A1B, Run3) : P 2070-2099
MPI-ECHAM5 (Com, Run3) : Change in P
MPI-ECHAM5 (20C3M, Run3) : E 1970-1999
MPI-ECHAM5 (A1B, Run3) : E 2070-2099
MPI-ECHAM5 (Com, Run3) : Change in E
MPI-ECHAM5 (20C3M, Run3) : P-E 1970-1999
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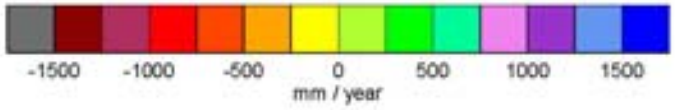
MPI-ECHAM5 (Com, Run3) : Change in P-E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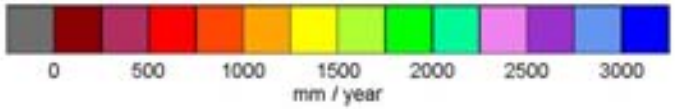
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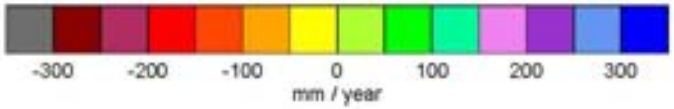
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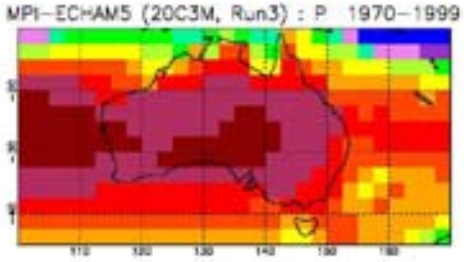
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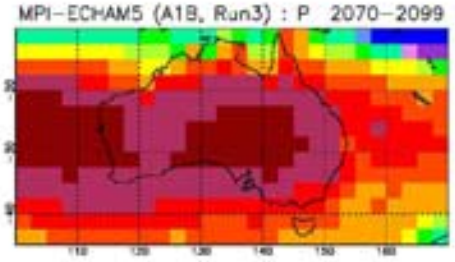
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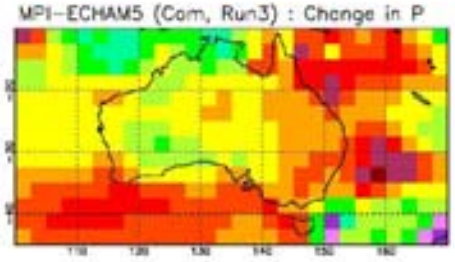
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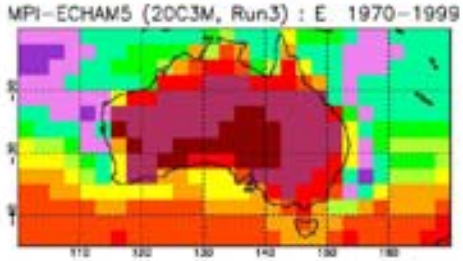
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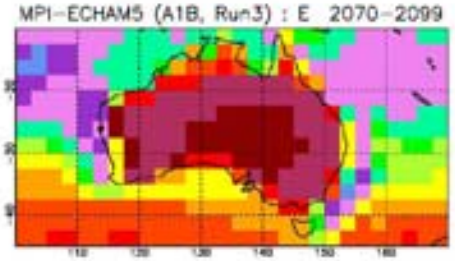
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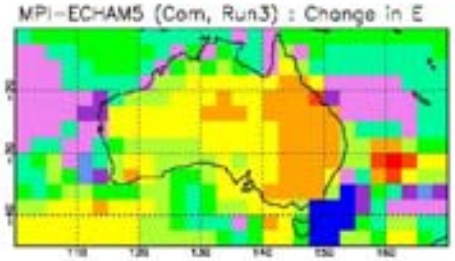
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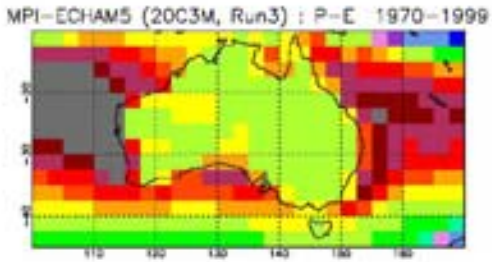
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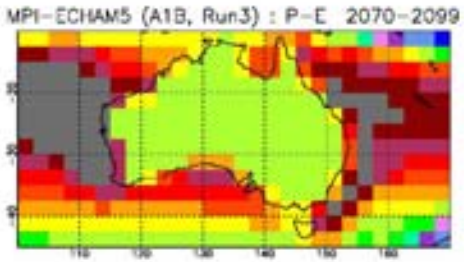
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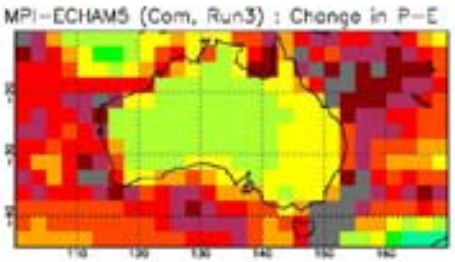
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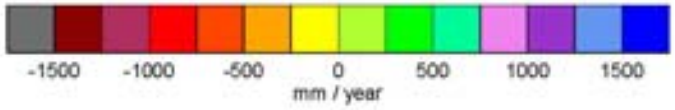
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MPI-ECHAM5_Set3

Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	696.1	492.0	204.1	1.47E+14	742.6	522.0	220.5	46.5	30.1	16.4
Australia	7.71E+12	436.5	490.6	-54.1	7.71E+12	400.6	471.1	-70.5	-35.9	-19.5	-16.4
New Zealand	1.79E+11	1221.9	843.1	378.8	1.79E+11	1308.5	917.4	391.0	86.6	74.4	12.2
South America	1.83E+13	1237.0	956.0	281.1	1.83E+13	1278.9	984.1	294.8	41.9	28.1	13.8
North America	2.38E+13	787.5	455.7	331.8	2.38E+13	867.4	493.9	373.6	79.9	38.1	41.8
Europe	6.57E+12	690.0	455.9	234.1	6.57E+12	683.4	462.2	221.2	-6.5	6.3	-12.9
Africa	2.94E+13	599.3	545.6	53.6	2.94E+13	631.8	574.7	57.1	32.6	29.1	3.5
Middle East	4.99E+12	68.7	142.2	-73.5	4.99E+12	69.4	152.2	-82.8	0.7	10.0	-9.3
Asia	3.84E+13	641.4	388.7	252.7	3.84E+13	700.2	432.4	267.8	58.8	43.7	15.1
Southeast Asia	4.00E+12	1758.0	1216.1	542.0	4.00E+12	1963.5	1322.0	641.5	205.5	105.9	99.5
Antarctica	1.35E+13	183.7	6.0	177.8	1.35E+13	211.6	8.9	202.7	27.9	2.9	24.9

MPI-ECHAM5_Set3

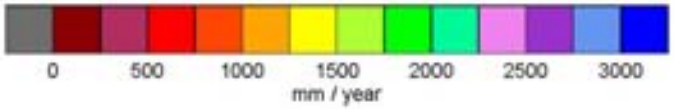
	1970 - 1999 (20C3M, Run3) E' = 0.984134											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1060.5	1060.5	0	3.62E+14	1208.9	1292.0	-83.1	1.47E+14	696.1	492.0	204.1
-90° to -80°	3.86E+12	96.9	-3.7	100.6	3.58E+03	103.1	-0.3	103.3	3.86E+12	96.9	-3.7	100.6
-80° to -70°	1.15E+13	274.4	37.8	236.6	3.54E+12	503.0	117.9	385.1	7.95E+12	172.6	2.1	170.5
-70° to -60°	1.88E+13	744.5	247.3	497.2	1.71E+13	774.3	266.9	507.4	1.67E+12	439.5	47.0	392.5
-60° to -50°	2.55E+13	1089.5	478.5	611.1	2.52E+13	1089.1	477.8	611.3	2.18E+11	1135.1	554.4	580.7
-50° to -40°	3.14E+13	1209.1	799.3	409.8	3.05E+13	1210.6	807.8	402.7	9.28E+11	1161.1	517.9	643.2
-40° to -30°	3.64E+13	867.2	1182.8	-315.6	3.22E+13	912.3	1266.0	-353.7	4.20E+12	522.3	546.1	-23.8
-30° to -20°	4.02E+13	665.2	1521.0	-855.8	3.09E+13	685.8	1806.7	-1120.9	9.31E+12	596.8	572.5	24.3
-20° to -10°	4.29E+13	1341.3	1782.0	-440.7	3.34E+13	1426.3	2032.7	-606.5	9.44E+12	1040.3	893.4	146.9
-10° to 0°	4.42E+13	1655.0	1478.3	176.7	3.45E+13	1694.9	1573.3	121.7	9.76E+12	1513.8	1143.1	370.7
0° to 10°	4.42E+13	1748.8	1425.7	323.1	3.43E+13	1891.6	1552.1	339.5	9.96E+12	1257.8	991.0	266.8
10° to 20°	4.29E+13	1432.2	1521.8	-89.6	3.17E+13	1727.0	1866.1	-139.1	1.12E+13	596.7	546.0	50.7
20° to 30°	4.02E+13	678.5	1237.6	-559.2	2.52E+13	781.9	1762.9	-981.0	1.50E+13	505.0	356.5	148.5
30° to 40°	3.64E+13	869.9	997.3	-127.4	2.09E+13	1058.7	1397.9	-339.2	1.55E+13	615.5	457.5	158.0
40° to 50°	3.14E+13	938.0	570.1	367.9	1.54E+13	1264.1	711.8	552.3	1.60E+13	623.1	433.2	189.9
50° to 60°	2.55E+13	913.7	479.6	434.1	1.07E+13	1151.4	586.3	565.1	1.47E+13	740.2	401.8	338.4
60° to 70°	1.88E+13	657.9	292.9	365.0	5.08E+12	841.5	469.1	372.4	1.37E+13	589.7	227.5	362.2
70° to 80°	1.15E+13	366.5	145.0	221.5	7.85E+12	394.0	182.6	211.4	3.63E+12	306.8	63.5	243.3
80° to 90°	3.86E+12	256.8	40.4	216.5	3.49E+12	263.5	44.4	219.1	3.71E+11	193.7	2.0	191.7

MPI-ECHAM5_Set3

	2070 - 2099 (A1B, Run3) E' = 0.981226												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1121.0	1121.0	0	3.62E+14	1275.0	1364.8	-89.8	1.47E+14	742.6	522.0	220.5	60.5	60.5	0.0	66.1	72.8	-6.7	46.5	30.1	16.4
-90° to -80°	3.86E+12	111.5	-3.9	115.5	3.58E+03	171.8	-1.1	172.8	3.86E+12	111.5	-3.9	115.5	14.6	-0.3	14.9	68.7	-0.8	69.5	14.6	-0.3	14.9
-80° to -70°	1.15E+13	323.6	53.2	270.5	3.54E+12	596.2	162.4	433.8	7.95E+12	202.2	4.5	197.7	49.2	15.4	33.8	93.2	44.5	48.8	29.6	2.4	27.2
-70° to -60°	1.88E+13	861.9	266.3	595.5	1.71E+13	898.2	286.5	611.7	1.67E+12	490.1	59.8	430.2	117.4	19.0	98.3	123.9	19.7	104.3	50.6	12.9	37.7
-60° to -50°	2.55E+13	1227.5	454.1	773.5	2.52E+13	1227.8	453.1	774.7	2.18E+11	1202.6	564.1	638.5	138.0	-24.4	162.4	138.6	-24.7	163.3	67.6	9.7	57.9
-50° to -40°	3.14E+13	1237.6	825.5	412.1	3.05E+13	1241.9	834.3	407.6	9.28E+11	1094.7	535.9	558.8	28.5	26.2	2.2	31.4	26.5	4.9	-66.4	18.0	-84.4
-40° to -30°	3.64E+13	799.6	1227.3	-427.7	3.22E+13	837.9	1316.0	-478.1	4.20E+12	506.7	548.6	-41.8	-67.6	44.5	-112.1	-74.4	50.0	-124.4	-15.5	2.5	-18.0
-30° to -20°	4.02E+13	607.4	1596.3	-988.9	3.09E+13	615.3	1908.1	-1292.8	9.31E+12	581.2	561.6	19.6	-57.8	75.3	-133.1	-70.5	101.4	-171.8	-15.7	-10.9	-4.7
-20° to -10°	4.29E+13	1333.5	1902.5	-569.1	3.34E+13	1412.0	2183.1	-771.0	9.44E+12	1055.0	908.1	146.9	-7.9	120.5	-128.4	-14.2	150.4	-164.6	14.7	14.7	0.0
-10° to 0°	4.42E+13	1820.1	1573.8	246.3	3.45E+13	1879.7	1676.6	203.1	9.76E+12	1609.8	1211.1	398.6	165.2	95.5	69.6	184.8	103.3	81.5	95.9	68.0	27.9
0° to 10°	4.42E+13	1968.0	1514.7	453.3	3.43E+13	2138.8	1642.3	496.5	9.96E+12	1380.8	1076.0	304.8	219.2	89.0	130.2	247.2	90.2	157.0	123.0	84.9	38.1
10° to 20°	4.29E+13	1524.2	1621.5	-97.3	3.17E+13	1841.3	1993.0	-151.7	1.12E+13	625.3	568.3	57.0	92.0	99.6	-7.7	114.3	126.9	-12.6	28.5	22.3	6.3
20° to 30°	4.02E+13	682.1	1322.0	-639.9	2.52E+13	785.9	1887.1	-1101.2	1.50E+13	508.1	374.2	133.9	3.6	84.4	-80.7	4.0	124.2	-120.2	3.1	17.6	-14.6
30° to 40°	3.64E+13	841.4	1027.7	-186.3	2.09E+13	1018.4	1442.3	-424.0	1.55E+13	602.9	469.0	133.9	-28.5	30.4	-58.9	-40.3	44.4	-84.7	-12.6	11.5	-24.1
40° to 50°	3.14E+13	1011.2	615.9	395.3	1.54E+13	1367.8	764.0	603.8	1.60E+13	666.8	472.8	194.0	73.2	45.8	27.4	103.7	52.2	51.5	43.7	39.6	4.1
50° to 60°	2.55E+13	1021.4	503.1	518.3	1.07E+13	1268.6	564.1	704.5	1.47E+13	840.9	458.5	382.4	107.7	23.5	84.2	117.2	-22.2	139.4	100.7	56.8	44.0
60° to 70°	1.88E+13	775.3	324.2	451.1	5.08E+12	938.3	471.3	467.0	1.37E+13	714.7	269.5	445.2	117.4	31.2	86.2	96.9	2.2	94.6	125.0	42.0	83.0
70° to 80°	1.15E+13	457.3	197.8	259.5	7.85E+12	484.0	249.7	234.3	3.63E+12	399.6	85.6	314.0	90.9	52.8	38.0	90.0	67.0	22.9	92.8	22.1	70.8
80° to 90°	3.86E+12	345.6	59.8	285.8	3.49E+12	352.7	65.8	286.9	3.71E+11	278.2	2.6	275.6	88.8	19.4	69.4	89.2	21.4	67.8	84.5	0.6	83.9

MPI-ECHAM5_Set3

	2070 - 2099 (A2, Run3) E' = 1.05581												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1121.3	1121.3	0	3.62E+14	1276.0	1364.5	-88.5	1.47E+14	741.4	524.0	217.5	60.8	60.8	0.0	67.1	72.5	-5.4	45.4	32.0	13.4
-90° to -80°	3.86E+12	113.2	-4.3	117.5	3.58E+03	68.7	-4.4	73.1	3.86E+12	113.2	-4.3	117.5	16.3	-0.6	16.9	-34.4	-4.2	-30.2	16.3	-0.6	16.9
-80° to -70°	1.15E+13	327.9	60.4	267.5	3.54E+12	603.6	184.5	419.1	7.95E+12	205.1	5.1	200.0	53.5	22.6	30.9	100.6	66.5	34.1	32.5	3.0	29.5
-70° to -60°	1.88E+13	865.8	286.5	579.3	1.71E+13	902.6	308.0	594.6	1.67E+12	488.4	66.4	422.0	121.3	39.2	82.1	128.4	41.1	87.2	48.9	19.4	29.5
-60° to -50°	2.55E+13	1239.9	461.5	778.5	2.52E+13	1240.4	460.6	779.9	2.18E+11	1183.0	564.9	618.1	150.4	-17.0	167.4	151.3	-17.2	168.5	47.9	10.5	37.4
-50° to -40°	3.14E+13	1228.4	833.7	394.7	3.05E+13	1233.5	842.5	390.9	9.28E+11	1063.0	542.9	520.1	19.3	34.4	-15.1	22.9	34.7	-11.8	-98.1	25.0	-123.1
-40° to -30°	3.64E+13	787.6	1226.0	-438.4	3.22E+13	824.7	1314.5	-489.8	4.20E+12	503.3	548.8	-45.5	-79.6	43.2	-122.8	-87.6	48.5	-136.1	-18.9	2.7	-21.7
-30° to -20°	4.02E+13	603.9	1595.5	-991.6	3.09E+13	604.7	1904.2	-1299.5	9.31E+12	601.1	570.5	30.6	-61.3	74.5	-135.8	-81.1	97.5	-178.6	4.3	-2.0	6.3
-20° to -10°	4.29E+13	1338.6	1896.2	-557.6	3.34E+13	1422.3	2177.1	-754.9	9.44E+12	1041.9	900.5	141.4	-2.8	114.2	-116.9	-4.0	144.4	-148.4	1.6	7.0	-5.5
-10° to 0°	4.42E+13	1828.6	1563.7	265.0	3.45E+13	1899.1	1667.7	231.5	9.76E+12	1579.8	1196.6	383.2	173.7	85.4	88.3	204.2	94.4	109.8	65.9	53.5	12.5
0° to 10°	4.42E+13	1987.1	1507.5	479.6	3.43E+13	2166.7	1635.2	531.5	9.96E+12	1369.7	1068.4	301.2	238.3	81.8	156.5	275.1	83.1	192.0	111.9	77.4	34.5
10° to 20°	4.29E+13	1503.5	1617.3	-113.8	3.17E+13	1814.9	1985.4	-170.5	1.12E+13	620.7	573.9	46.8	71.2	95.5	-24.2	87.9	119.3	-31.4	23.9	27.9	-4.0
20° to 30°	4.02E+13	667.6	1320.2	-652.6	2.52E+13	768.3	1885.4	-1117.2	1.50E+13	498.7	372.1	126.7	-10.9	82.6	-93.5	-13.7	122.5	-136.2	-6.3	15.6	-21.8
30° to 40°	3.64E+13	845.8	1028.8	-183.1	2.09E+13	1016.9	1441.7	-424.7	1.55E+13	615.2	472.7	142.5	-24.1	31.6	-55.7	-41.8	43.7	-85.5	-0.3	15.2	-15.5
40° to 50°	3.14E+13	1007.7	614.9	392.7	1.54E+13	1363.4	755.9	607.5	1.60E+13	664.1	478.8	185.3	69.7	44.8	24.8	99.4	44.1	55.2	41.0	45.5	-4.5
50° to 60°	2.55E+13	1031.6	512.9	518.7	1.07E+13	1285.9	574.6	711.4	1.47E+13	845.9	467.9	378.0	117.9	33.3	84.6	134.5	-11.7	146.2	105.8	66.1	39.6
60° to 70°	1.88E+13	785.8	335.1	450.7	5.08E+12	950.2	485.0	465.2	1.37E+13	724.7	279.4	445.3	127.9	42.2	85.7	108.7	15.9	92.8	135.0	52.0	83.1
70° to 80°	1.15E+13	466.1	209.3	256.8	7.85E+12	493.7	265.3	228.4	3.63E+12	406.5	88.0	318.5	99.6	64.3	35.4	99.6	82.7	17.0	99.7	24.5	75.2
80° to 90°	3.86E+12	352.0	71.3	280.7	3.49E+12	357.4	78.5	278.9	3.71E+11	300.9	3.0	297.8	95.2	30.9	64.2	93.9	34.1	59.8	107.2	1.1	106.1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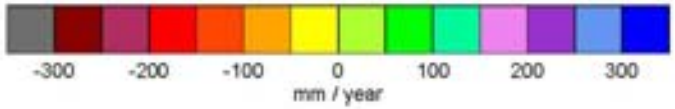
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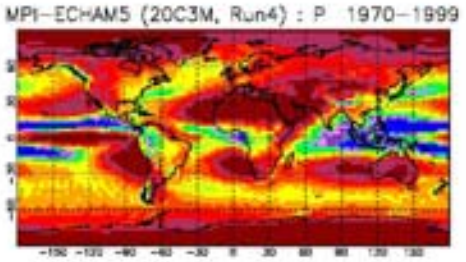
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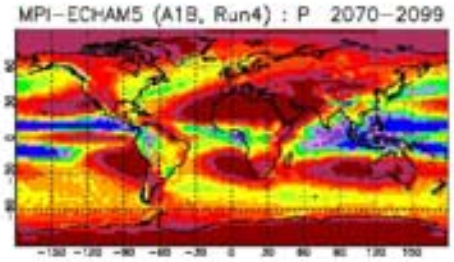
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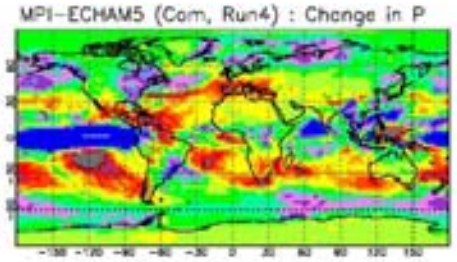
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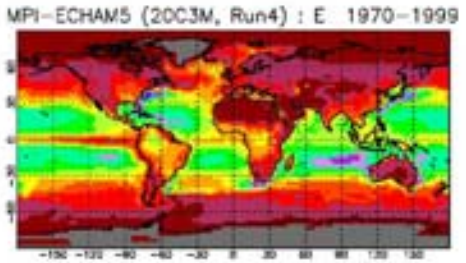
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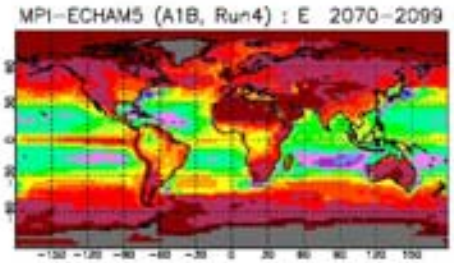
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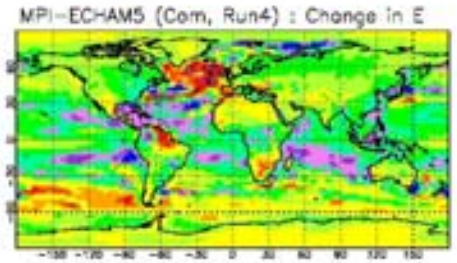
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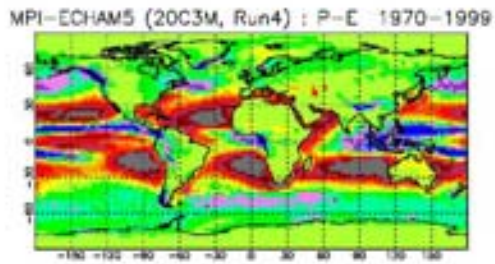
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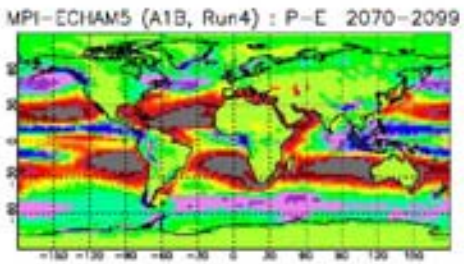
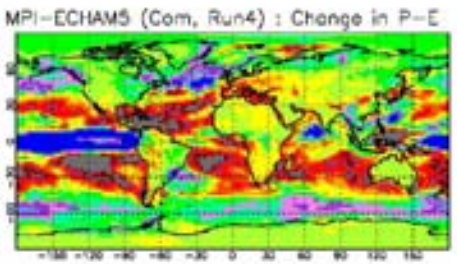
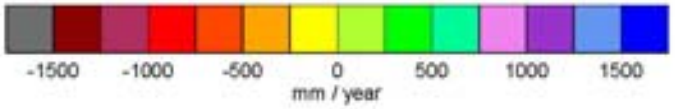

MPI-ECHAM5 (A1B, Run4) : P-E 2070-2099


MPI-ECHAM5 (Com, Run4) : Change in P-E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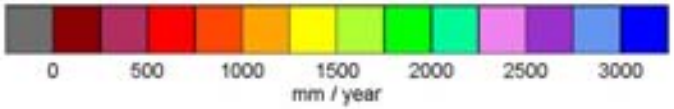
mm / year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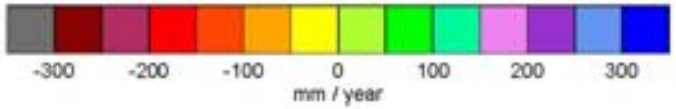
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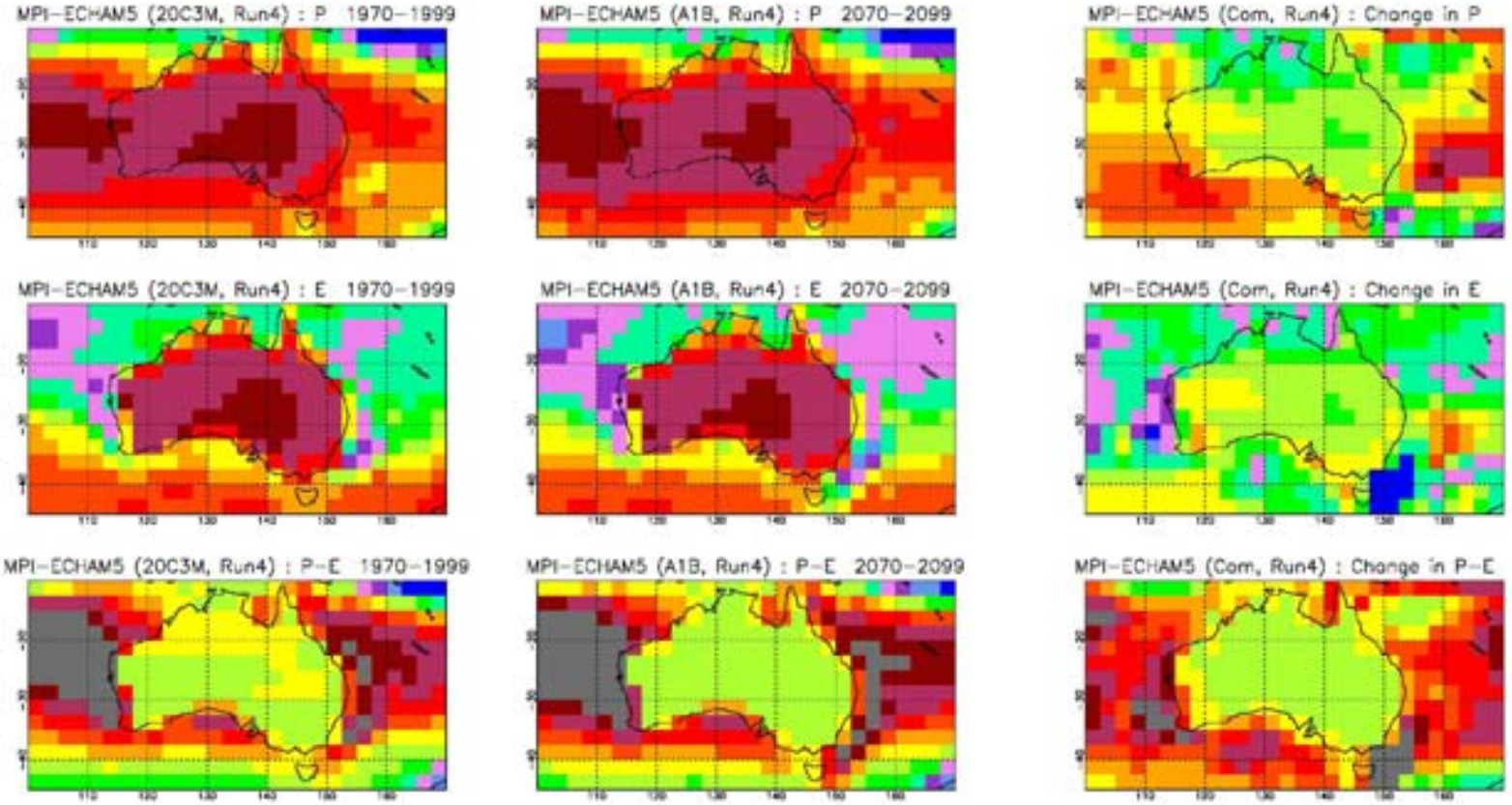
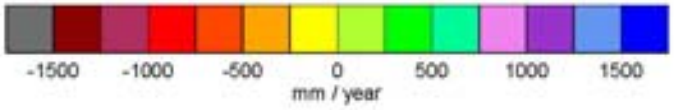

MPI-ECHAM5 (20C3M, Run4) : P 1970-1999
MPI-ECHAM5 (A1B, Run4) : P 2070-2099
MPI-ECHAM5 (Com, Run4) : Change in P
MPI-ECHAM5 (20C3M, Run4) : E 1970-1999
MPI-ECHAM5 (A1B, Run4) : E 2070-2099
MPI-ECHAM5 (Com, Run4) : Change in E
MPI-ECHAM5 (20C3M, Run4) : P-E 1970-1999
MPI-ECHAM5 (A1B, Run4) : P-E 2070-2099
MPI-ECHAM5 (Com, Run4) : Change in P-E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MPI-ECHAM5_Set4

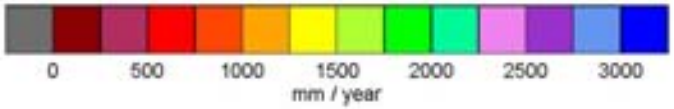
Region	1970 - 1999 (20C3M, Run4)				2070 - 2099 (A1B, Run4)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	695.1	491.5	203.6	1.47E+14	750.5	526.7	223.8	55.4	35.2	20.2
Australia	7.71E+12	408.5	469.5	-61.0	7.71E+12	439.0	503.8	-64.9	30.4	34.3	-3.8
New Zealand	1.79E+11	1239.8	843.2	396.7	1.79E+11	1286.6	912.2	374.4	46.8	69.0	-22.2
South America	1.83E+13	1245.8	959.1	286.7	1.83E+13	1286.5	987.7	298.8	40.7	28.6	12.1
North America	2.38E+13	781.5	454.9	326.6	2.38E+13	885.3	499.5	385.8	103.8	44.6	59.2
Europe	6.57E+12	703.0	458.5	244.4	6.57E+12	672.2	460.4	211.8	-30.8	1.8	-32.6
Africa	2.94E+13	601.7	546.0	55.7	2.94E+13	623.8	573.9	49.9	22.1	27.9	-5.8
Middle East	4.99E+12	70.8	143.7	-72.9	4.99E+12	77.0	157.9	-81.0	6.1	14.3	-8.1
Asia	3.84E+13	642.1	389.9	252.2	3.84E+13	714.4	437.0	277.4	72.3	47.1	25.2
Southeast Asia	4.00E+12	1726.6	1209.1	517.5	4.00E+12	1961.5	1337.0	624.5	235.0	127.9	107.0
Antarctica	1.35E+13	185.2	5.8	179.4	1.35E+13	217.7	8.9	208.8	32.4	3.0	29.4

MPI-ECHAM5_Set4

	1970 - 1999 (20C3M, Run4) E' = 0.98399											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1062.4	1062.4	0	3.62E+14	1212.0	1294.9	-82.9	1.47E+14	695.1	491.5	203.6
-90° to -80°	3.86E+12	95.7	-3.9	99.6	3.58E+03	128.8	-2.1	131.0	3.86E+12	95.7	-3.9	99.6
-80° to -70°	1.15E+13	276.1	39.2	236.9	3.54E+12	504.8	123.0	381.9	7.95E+12	174.2	1.9	172.4
-70° to -60°	1.88E+13	746.3	250.7	495.5	1.71E+13	775.6	270.6	505.0	1.67E+12	446.6	47.4	399.2
-60° to -50°	2.55E+13	1099.6	479.9	619.6	2.52E+13	1098.9	479.2	619.7	2.18E+11	1176.0	568.5	607.5
-50° to -40°	3.14E+13	1209.5	798.7	410.7	3.05E+13	1210.7	807.4	403.2	9.28E+11	1170.4	513.8	656.5
-40° to -30°	3.64E+13	861.0	1189.2	-328.2	3.22E+13	907.8	1274.8	-366.9	4.20E+12	503.0	534.6	-31.6
-30° to -20°	4.02E+13	666.1	1519.9	-853.8	3.09E+13	688.6	1807.7	-1119.1	9.31E+12	591.5	564.7	26.9
-20° to -10°	4.29E+13	1342.8	1781.8	-439.0	3.34E+13	1430.1	2034.5	-604.4	9.44E+12	1033.3	885.9	147.5
-10° to 0°	4.42E+13	1643.6	1482.5	161.1	3.45E+13	1677.0	1577.1	100.0	9.76E+12	1525.5	1148.7	376.8
0° to 10°	4.42E+13	1770.3	1426.2	344.0	3.43E+13	1919.0	1551.3	367.7	9.96E+12	1258.8	996.2	262.6
10° to 20°	4.29E+13	1443.4	1529.2	-85.7	3.17E+13	1741.4	1875.3	-133.9	1.12E+13	599.0	548.0	51.0
20° to 30°	4.02E+13	674.8	1241.8	-567.0	2.52E+13	784.1	1770.7	-986.6	1.50E+13	491.4	354.5	136.9
30° to 40°	3.64E+13	866.0	997.8	-131.8	2.09E+13	1052.9	1399.9	-346.9	1.55E+13	614.1	456.0	158.1
40° to 50°	3.14E+13	938.7	576.4	362.3	1.54E+13	1269.7	721.9	547.8	1.60E+13	618.9	435.8	183.1
50° to 60°	2.55E+13	920.9	478.9	442.1	1.07E+13	1159.2	582.6	576.6	1.47E+13	747.0	403.1	343.8
60° to 70°	1.88E+13	660.1	286.8	373.4	5.08E+12	838.8	446.7	392.1	1.37E+13	593.8	227.4	366.4
70° to 80°	1.15E+13	360.8	139.2	221.6	7.85E+12	386.2	175.1	211.0	3.63E+12	306.1	61.6	244.5
80° to 90°	3.86E+12	250.2	39.8	210.4	3.49E+12	255.9	43.9	212.0	3.71E+11	196.7	1.3	195.4

MPI-ECHAM5_Set4

	2070 - 2099 (A1B, Run4) E' = 0.981147												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1124.2	1124.2	0	3.62E+14	1276.3	1367.4	-91.1	1.47E+14	750.5	526.7	223.8	61.7	61.7	0.0	64.3	72.5	-8.2	55.4	35.2	20.2
-90° to -80°	3.86E+12	109.8	-3.8	113.6	3.58E+03	120.2	-4.4	124.7	3.86E+12	109.8	-3.8	113.6	14.1	0.1	14.0	-8.6	-2.3	-6.3	14.1	0.1	14.0
-80° to -70°	1.15E+13	330.9	55.5	275.3	3.54E+12	603.2	170.2	433.0	7.95E+12	209.5	4.4	205.1	54.7	16.3	38.4	98.4	47.3	51.1	35.3	2.6	32.7
-70° to -60°	1.88E+13	866.4	266.3	600.1	1.71E+13	901.4	286.5	614.9	1.67E+12	508.1	59.6	448.5	120.1	15.6	104.5	125.8	15.9	109.9	61.5	12.2	49.3
-60° to -50°	2.55E+13	1226.7	454.7	771.9	2.52E+13	1227.3	453.9	773.4	2.18E+11	1162.3	556.4	605.9	127.1	-25.2	152.3	128.4	-25.3	153.7	-13.7	-12.1	-1.6
-50° to -40°	3.14E+13	1233.0	825.9	407.0	3.05E+13	1238.9	834.8	404.1	9.28E+11	1037.7	533.0	504.7	23.5	27.2	-3.7	28.2	27.4	0.8	-132.6	19.2	-151.9
-40° to -30°	3.64E+13	799.6	1230.3	-430.7	3.22E+13	835.5	1317.7	-482.2	4.20E+12	525.2	561.4	-36.2	-61.4	41.1	-102.5	-72.3	42.9	-115.3	22.3	26.8	-4.6
-30° to -20°	4.02E+13	604.6	1600.5	-996.0	3.09E+13	598.5	1906.1	-1307.7	9.31E+12	624.8	586.2	38.6	-61.6	80.6	-142.2	-90.1	98.4	-188.5	33.3	21.5	11.8
-20° to -10°	4.29E+13	1318.6	1915.3	-596.8	3.34E+13	1392.1	2196.4	-804.3	9.44E+12	1057.8	918.9	138.9	-24.2	133.6	-157.8	-38.0	161.9	-199.9	24.5	33.0	-8.5
-10° to 0°	4.42E+13	1843.8	1565.4	278.4	3.45E+13	1917.0	1668.5	248.5	9.76E+12	1585.4	1201.5	383.9	200.2	82.9	117.3	240.0	91.4	148.6	59.9	52.8	7.1
0° to 10°	4.42E+13	1995.2	1521.3	473.9	3.43E+13	2177.2	1651.6	525.6	9.96E+12	1369.3	1073.3	296.0	224.9	95.1	129.9	258.2	100.3	157.9	110.6	77.1	33.4
10° to 20°	4.29E+13	1500.2	1630.6	-130.5	3.17E+13	1807.0	2002.2	-195.2	1.12E+13	630.6	577.6	53.0	56.7	101.5	-44.8	65.6	126.9	-61.3	31.6	29.6	2.0
20° to 30°	4.02E+13	684.4	1328.3	-643.8	2.52E+13	782.6	1893.4	-1110.8	1.50E+13	519.8	380.2	139.6	9.6	86.5	-76.8	-1.5	122.7	-124.3	28.4	25.7	2.7
30° to 40°	3.64E+13	854.8	1031.6	-176.8	2.09E+13	1018.7	1441.8	-423.2	1.55E+13	634.0	478.9	155.1	-11.2	33.8	-45.0	-34.3	42.0	-76.2	19.9	22.8	-3.0
40° to 50°	3.14E+13	1015.7	614.0	401.6	1.54E+13	1375.6	758.6	617.1	1.60E+13	668.0	474.4	193.6	77.0	37.7	39.3	105.9	36.7	69.2	49.0	38.6	10.4
50° to 60°	2.55E+13	1027.5	505.4	522.1	1.07E+13	1271.6	567.6	704.0	1.47E+13	849.2	460.0	389.2	106.5	26.6	80.0	112.4	-15.0	127.4	102.3	56.9	45.4
60° to 70°	1.88E+13	785.3	326.0	459.3	5.08E+12	957.4	472.9	484.6	1.37E+13	721.4	271.4	450.0	125.2	39.2	86.0	118.6	26.2	92.4	127.6	44.0	83.6
70° to 80°	1.15E+13	466.8	198.8	268.0	7.85E+12	493.8	251.1	242.7	3.63E+12	408.5	85.7	322.8	106.0	59.6	46.4	107.6	75.9	31.7	102.5	24.1	78.3
80° to 90°	3.86E+12	345.3	58.8	286.5	3.49E+12	351.4	64.8	286.6	3.71E+11	288.1	2.1	286.0	95.1	19.0	76.1	95.5	20.9	74.6	91.4	0.7	90.7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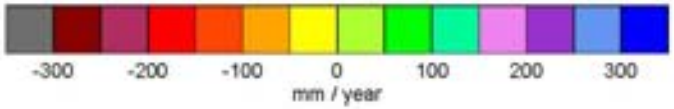
mm / year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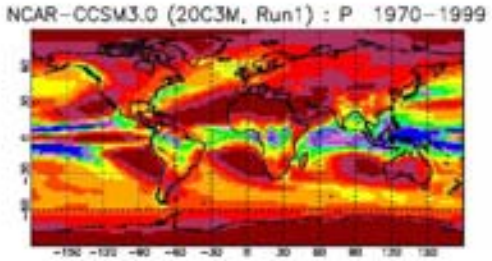
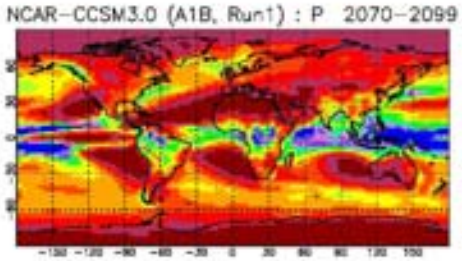
mm / year


NCAR-CCSM3.0 (20C3M, Run1) : P 1970-1999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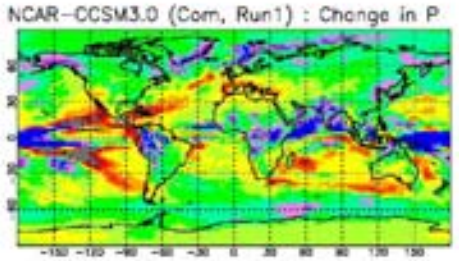
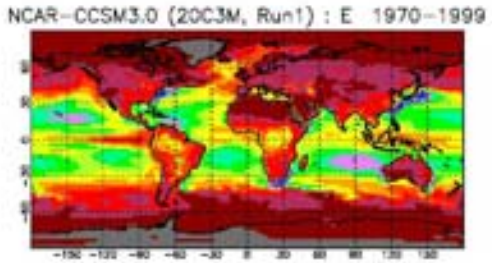
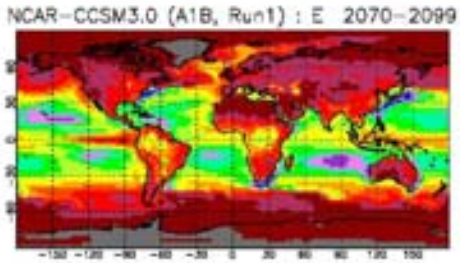
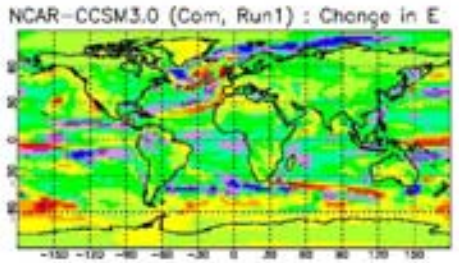
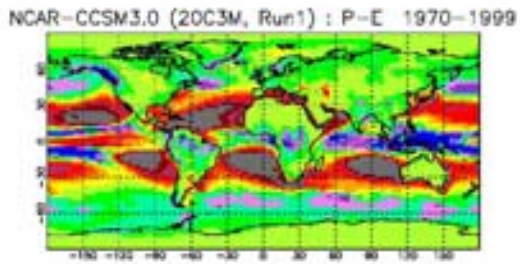

NCAR-CCSM3.0 (Com, Run1) : Change in P


NCAR-CCSM3.0 (20C3M, Run1) : E 1970-1999


NCAR-CCSM3.0 (A1B, Run1) : E 2070-2099


NCAR-CCSM3.0 (Com, Run1) : Change in E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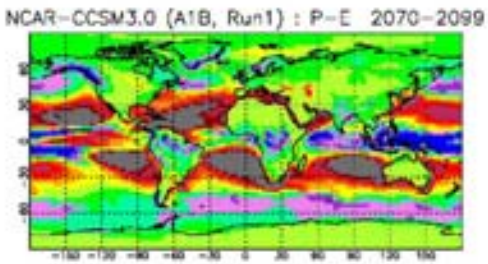
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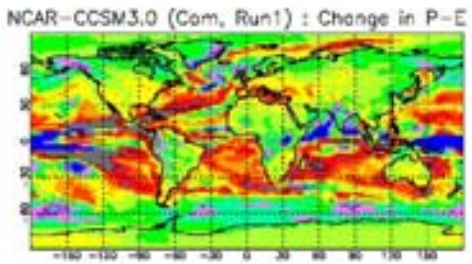
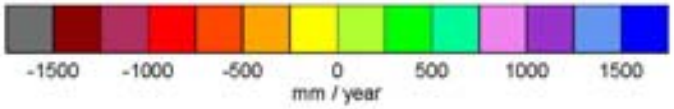

NCAR-CCSM3.0 (Com, Run1) : Change in P-E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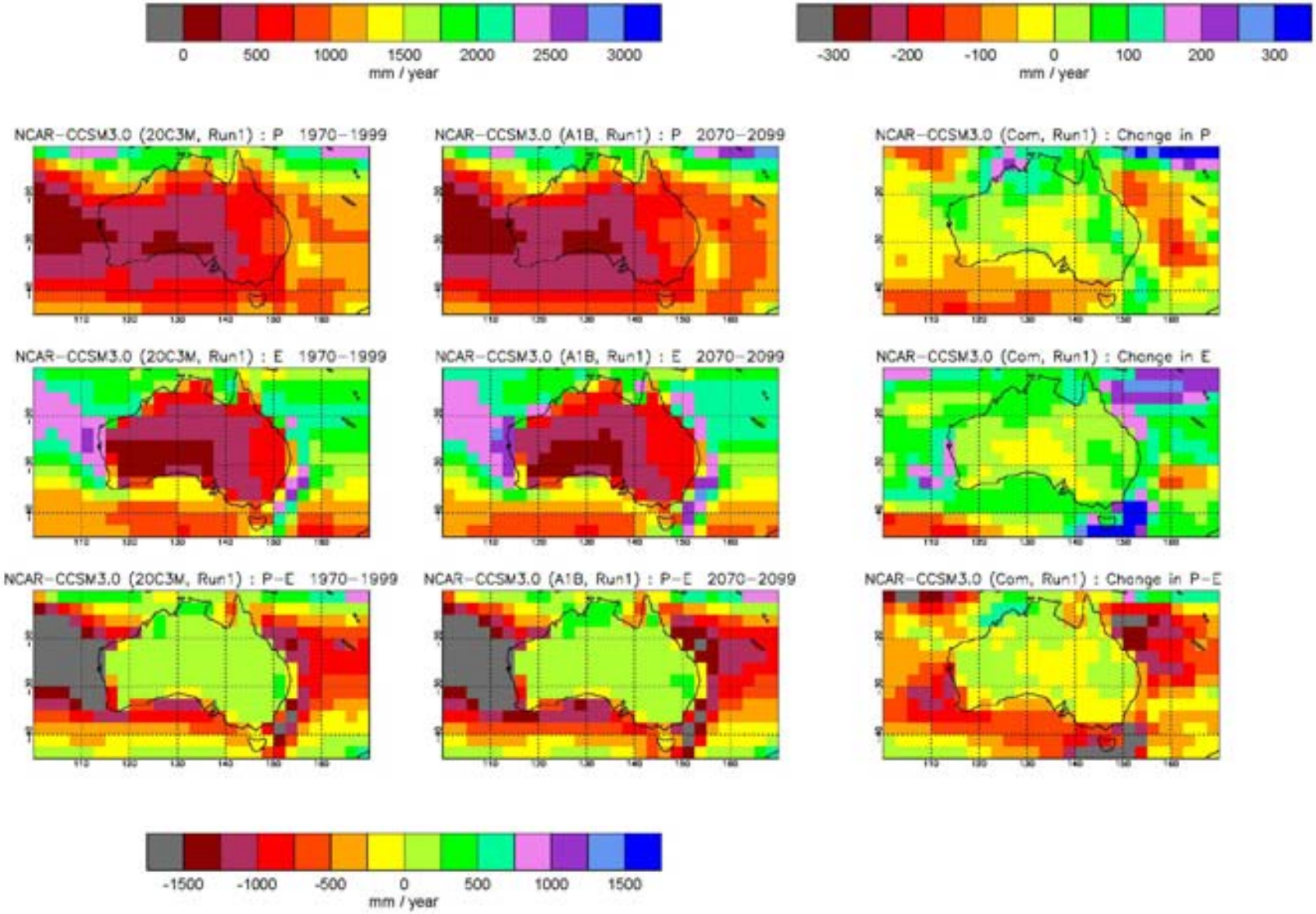
500
1000
1500
mm / year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mm / year
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mm / year
NCAR-CCSM3.0 (20C3M, Run1) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run1) : P 2070-2099
NCAR-CCSM3.0 (Com, Run1) : Change in P
NCAR-CCSM3.0 (20C3M, Run1) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run1) : E 2070-2099
NCAR-CCSM3.0 (Com, Run1) : Change in E
NCAR-CCSM3.0 (20C3M, Run1) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run1) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	757.8	479.2	278.7	1.49E+14	838.6	526.4	312.2	80.8	47.3	33.5
Australia	7.88E+12	577.9	527.9	50.0	7.88E+12	605.1	562.3	42.9	27.2	34.4	-7.2
New Zealand	2.47E+11	1250.5	889.8	360.7	2.47E+11	1322.1	934.3	387.8	71.6	44.5	27.1
South America	1.80E+13	1262.1	850.0	412.0	1.80E+13	1356.6	913.7	442.9	94.5	63.6	30.9
North America	2.42E+13	686.5	367.4	319.0	2.42E+13	764.9	412.2	352.7	78.4	44.7	33.7
Europe	6.92E+12	729.9	461.7	268.1	6.92E+12	731.1	494.3	236.8	1.2	32.6	-31.3
Africa	3.00E+13	869.5	617.0	252.5	3.00E+13	960.7	671.6	289.1	91.2	54.6	36.6
Middle East	4.92E+12	209.0	299.9	-91.0	4.92E+12	273.4	343.0	-69.5	64.4	43.0	21.4
Asia	3.82E+13	644.8	381.5	263.3	3.82E+13	750.7	438.7	312.0	105.9	57.2	48.8
Southeast Asia	4.07E+12	1974.6	1073.8	900.8	4.07E+12	2100.8	1137.0	963.8	126.1	63.2	63.0
Antarctica	1.42E+13	182.2	4.6	177.6	1.42E+13	216.8	5.6	211.2	34.7	1.0	33.6

NCAR-CCSM3.0_Set1

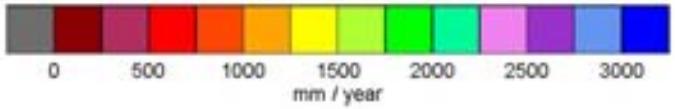
	1970 - 1999 (20C3M, Run1) E' = 0.983979											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1016.5	1016.5	0	3.60E+14	1123.7	1239.2	-115.5	1.49E+14	757.8	479.2	278.7
-90° to -80°	3.86E+12	96.6	-1.5	98.1	3.58E+03	103.1	5.9	97.2	3.86E+12	96.6	-1.5	98.1
-80° to -70°	1.15E+13	253.3	19.6	233.7	3.16E+12	452.6	69.7	382.9	8.32E+12	177.6	0.6	177.0
-70° to -60°	1.88E+13	670.2	135.3	535.0	1.67E+13	706.9	147.5	559.3	2.01E+12	365.5	33.1	332.3
-60° to -50°	2.55E+13	1023.7	351.0	672.7	2.52E+13	1021.3	348.9	672.4	2.22E+11	1303.7	590.3	713.4
-50° to -40°	3.14E+13	1048.6	713.3	335.3	3.04E+13	1051.3	717.3	334.0	9.45E+11	962.1	584.6	377.5
-40° to -30°	3.64E+13	810.9	1286.3	-475.4	3.22E+13	841.3	1371.5	-530.2	4.17E+12	576.1	628.7	-52.6
-30° to -20°	4.02E+13	721.8	1520.6	-798.8	3.09E+13	723.2	1794.2	-1071.0	9.30E+12	717.1	610.1	106.9
-20° to -10°	4.29E+13	1184.7	1657.1	-472.4	3.34E+13	1200.8	1900.8	-700.0	9.47E+12	1128.0	797.6	330.3
-10° to 0°	4.42E+13	1936.6	1344.6	592.0	3.40E+13	1939.9	1429.4	510.4	1.03E+13	1925.8	1063.7	862.2
0° to 10°	4.42E+13	1889.8	1302.5	587.3	3.43E+13	1993.7	1402.5	591.2	9.93E+12	1531.1	957.0	574.1
10° to 20°	4.29E+13	1013.2	1512.8	-499.6	3.14E+13	1113.5	1835.6	-722.1	1.15E+13	738.7	629.7	109.0
20° to 30°	4.02E+13	625.4	1272.6	-647.2	2.50E+13	691.6	1791.1	-1099.6	1.52E+13	517.1	422.9	94.2
30° to 40°	3.64E+13	819.1	1034.0	-214.9	2.07E+13	1000.7	1486.6	-485.8	1.57E+13	579.1	435.8	143.2
40° to 50°	3.14E+13	866.5	548.0	318.5	1.51E+13	1163.0	708.3	454.7	1.63E+13	591.6	399.4	192.2
50° to 60°	2.55E+13	842.7	416.0	426.6	1.07E+13	1031.5	520.3	511.1	1.48E+13	706.3	340.7	365.6
60° to 70°	1.88E+13	639.9	241.4	398.5	5.37E+12	782.0	417.8	364.3	1.34E+13	582.9	170.6	412.3
70° to 80°	1.15E+13	370.9	127.0	243.9	7.93E+12	386.3	163.0	223.3	3.56E+12	336.5	46.8	289.6
80° to 90°	3.86E+12	261.6	22.7	238.9	3.52E+12	262.4	25.5	236.8	3.37E+11	254.0	-6.6	260.6

NCAR-CCSM3.0_Set1

	2070 - 2099 (A1B, Run1) E' = 0.981418												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1077.8	1077.8	0	3.60E+14	1176.9	1306.2	-129.4	1.49E+14	838.6	526.4	312.2	61.3	61.3	0.0	53.2	67.1	-13.9	80.8	47.3	33.5
-90° to -80°	3.86E+12	108.8	0.6	108.2	3.58E+03	120.2	9.4	110.8	3.86E+12	108.8	0.6	108.2	12.2	2.1	10.1	17.2	3.5	13.7	12.2	2.1	10.1
-80° to -70°	1.15E+13	289.3	20.1	269.1	3.16E+12	499.0	68.6	430.4	8.32E+12	209.6	1.7	207.9	36.0	0.5	35.4	46.4	-1.1	47.4	32.0	1.1	30.9
-70° to -60°	1.88E+13	775.4	121.0	654.4	1.67E+13	814.0	131.7	682.3	2.01E+12	454.1	31.8	422.3	105.2	-14.3	119.4	107.2	-15.8	123.0	88.7	-1.4	90.0
-60° to -50°	2.55E+13	1116.8	334.4	782.4	2.52E+13	1114.2	331.7	782.5	2.22E+11	1414.2	643.9	770.3	93.1	-16.5	109.7	93.0	-17.2	110.1	110.5	53.6	56.9
-50° to -40°	3.14E+13	1066.3	785.5	280.8	3.04E+13	1070.2	790.6	279.5	9.45E+11	943.4	622.5	320.9	17.7	72.3	-54.5	18.9	73.3	-54.5	-18.7	37.9	-56.6
-40° to -30°	3.64E+13	809.4	1354.1	-544.7	3.22E+13	835.6	1442.9	-607.3	4.17E+12	607.1	667.6	-60.5	-1.5	67.7	-69.2	-5.7	71.5	-77.2	31.0	39.0	-8.0
-30° to -20°	4.02E+13	729.7	1584.4	-854.7	3.09E+13	720.6	1866.0	-1145.4	9.30E+12	759.8	647.4	112.4	7.9	63.8	-55.9	-2.6	71.8	-74.4	42.7	37.2	5.5
-20° to -10°	4.29E+13	1167.6	1764.3	-596.7	3.34E+13	1156.3	2025.1	-868.8	9.47E+12	1207.4	844.6	362.8	-17.1	107.2	-124.3	-44.5	124.3	-168.8	79.5	47.0	32.5
-10° to 0°	4.42E+13	2119.6	1413.4	706.2	3.40E+13	2132.9	1497.9	635.0	1.03E+13	2075.6	1133.4	942.3	183.0	68.8	114.2	193.0	68.5	124.5	149.8	69.7	80.1
0° to 10°	4.42E+13	2045.1	1378.6	666.6	3.43E+13	2149.5	1475.3	674.2	9.93E+12	1684.6	1044.5	640.1	155.3	76.1	79.2	155.8	72.8	83.0	153.6	87.5	66.0
10° to 20°	4.29E+13	1045.1	1603.4	-558.2	3.14E+13	1120.6	1934.3	-813.8	1.15E+13	838.8	698.1	140.7	31.9	90.6	-58.7	7.0	98.7	-91.7	100.1	68.4	31.7
20° to 30°	4.02E+13	640.7	1327.6	-686.9	2.50E+13	675.8	1852.9	-1177.1	1.52E+13	583.1	466.6	116.5	15.2	54.9	-39.7	-15.8	61.8	-77.5	66.0	43.8	22.3
30° to 40°	3.64E+13	851.2	1103.0	-251.9	2.07E+13	1022.8	1575.2	-552.3	1.57E+13	624.3	479.1	145.2	32.1	69.1	-37.0	22.1	88.6	-66.5	45.3	43.3	2.0
40° to 50°	3.14E+13	913.6	598.0	315.7	1.51E+13	1213.4	757.5	455.9	1.63E+13	635.8	450.1	185.7	47.1	49.9	-2.8	50.3	49.2	1.1	44.1	50.6	-6.5
50° to 60°	2.55E+13	937.0	465.1	471.9	1.07E+13	1125.1	553.4	571.7	1.48E+13	801.2	401.3	399.9	94.4	49.1	45.3	93.7	33.1	60.6	94.9	60.6	34.3
60° to 70°	1.88E+13	777.5	290.2	487.3	5.37E+12	921.5	491.5	429.9	1.34E+13	719.7	209.5	510.3	137.6	48.8	88.7	139.4	73.8	65.7	136.8	38.8	98.0
70° to 80°	1.15E+13	485.3	206.6	278.7	7.93E+12	505.8	268.7	237.2	3.56E+12	439.6	68.4	371.2	114.4	79.6	34.9	119.5	105.6	13.9	103.1	21.6	81.6
80° to 90°	3.86E+12	371.1	104.6	266.4	3.52E+12	373.0	113.7	259.3	3.37E+11	350.5	9.8	340.7	109.4	81.9	27.5	110.7	88.2	22.5	96.5	16.3	80.1

NCAR-CCSM3.0_Set1

	2070 - 2099 (A2, Run1) E' = 0.980636												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1086.0	1086.0	0	3.60E+14	1177.8	1313.7	-136.0	1.49E+14	864.4	536.3	328.1	69.5	69.5	0.0	54.1	74.6	-20.5	106.6	57.2	49.4
-90° to -80°	3.86E+12	113.9	1.6	112.3	3.58E+03	85.9	17.4	68.4	3.86E+12	113.9	1.6	112.3	17.3	3.1	14.2	-17.2	11.5	-28.7	17.3	3.1	14.2
-80° to -70°	1.15E+13	303.2	21.3	281.9	3.16E+12	517.1	72.1	445.0	8.32E+12	222.0	2.0	220.0	49.9	1.7	48.2	64.4	2.4	62.1	44.4	1.4	43.0
-70° to -60°	1.88E+13	809.0	121.8	687.2	1.67E+13	848.8	132.3	716.6	2.01E+12	477.3	34.6	442.8	138.7	-13.5	152.2	142.0	-15.3	157.2	111.9	1.4	110.4
-60° to -50°	2.55E+13	1144.9	331.2	813.7	2.52E+13	1142.7	328.3	814.4	2.22E+11	1392.4	653.7	738.7	121.2	-19.8	141.0	121.5	-20.5	142.0	88.7	63.3	25.4
-50° to -40°	3.14E+13	1063.1	802.4	260.7	3.04E+13	1067.7	807.6	260.1	9.45E+11	914.9	634.6	280.3	14.5	89.1	-74.6	16.4	90.3	-73.9	-47.2	50.0	-97.2
-40° to -30°	3.64E+13	801.8	1370.7	-568.9	3.22E+13	826.0	1460.6	-634.6	4.17E+12	614.6	676.4	-61.8	-9.1	84.4	-93.5	-15.2	89.1	-104.4	38.5	47.7	-9.2
-30° to -20°	4.02E+13	740.6	1599.0	-858.5	3.09E+13	723.9	1880.0	-1156.1	9.30E+12	795.9	664.0	132.0	18.8	78.4	-59.7	0.7	85.8	-85.1	78.9	53.8	25.1
-20° to -10°	4.29E+13	1163.1	1776.2	-613.1	3.34E+13	1143.2	2037.4	-894.1	9.47E+12	1233.3	855.2	378.1	-21.6	119.1	-140.7	-57.6	136.6	-194.2	105.3	57.5	47.8
-10° to 0°	4.42E+13	2160.3	1406.2	754.1	3.40E+13	2171.8	1489.1	682.7	1.03E+13	2122.1	1131.6	990.5	223.7	61.6	162.1	232.0	59.7	172.3	196.3	67.9	128.4
0° to 10°	4.42E+13	2039.7	1384.7	655.0	3.43E+13	2130.5	1479.0	651.5	9.93E+12	1726.3	1058.9	667.4	149.9	82.2	67.7	136.8	76.5	60.3	195.2	101.9	93.3
10° to 20°	4.29E+13	1036.7	1615.8	-579.1	3.14E+13	1097.8	1947.0	-849.2	1.15E+13	869.5	710.2	159.4	23.5	103.1	-79.6	-15.7	111.3	-127.1	130.8	80.4	50.4
20° to 30°	4.02E+13	638.3	1336.1	-697.8	2.50E+13	653.4	1860.8	-1207.4	1.52E+13	613.5	476.2	137.3	12.9	63.5	-50.6	-38.1	69.7	-107.8	96.5	53.3	43.1
30° to 40°	3.64E+13	849.3	1109.4	-260.2	2.07E+13	1009.2	1580.3	-571.1	1.57E+13	638.0	487.2	150.8	30.2	75.5	-45.3	8.5	93.8	-85.3	58.9	51.3	7.6
40° to 50°	3.14E+13	924.1	614.6	309.5	1.51E+13	1215.1	778.8	436.3	1.63E+13	654.4	462.4	191.9	57.6	66.6	-9.0	52.1	70.5	-18.5	62.7	63.0	-0.2
50° to 60°	2.55E+13	958.2	471.7	486.5	1.07E+13	1141.5	545.4	596.0	1.48E+13	825.8	418.4	407.4	115.5	55.7	59.9	110.0	25.1	84.9	119.6	77.7	41.8
60° to 70°	1.88E+13	801.8	293.4	508.3	5.37E+12	933.1	475.6	457.5	1.34E+13	749.1	220.3	528.8	161.8	52.0	109.8	151.1	57.9	93.2	166.2	49.7	116.5
70° to 80°	1.15E+13	512.1	215.8	296.3	7.93E+12	532.2	279.5	252.7	3.56E+12	467.3	73.9	393.4	141.2	88.8	52.4	145.8	116.5	29.4	130.8	27.1	103.7
80° to 90°	3.86E+12	402.3	123.7	278.6	3.52E+12	403.3	132.8	270.5	3.37E+11	391.6	28.2	363.4	140.7	101.0	39.7	140.9	107.3	33.7	137.6	34.7	102.9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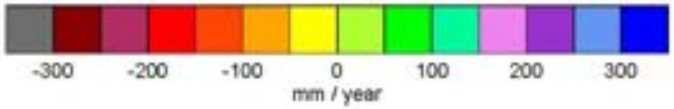
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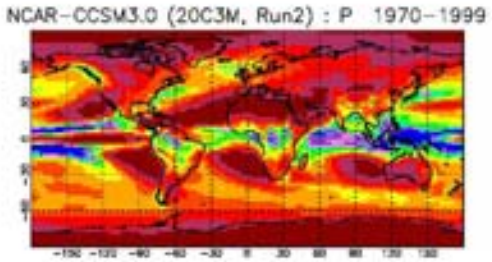
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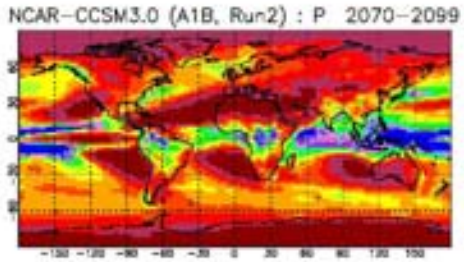
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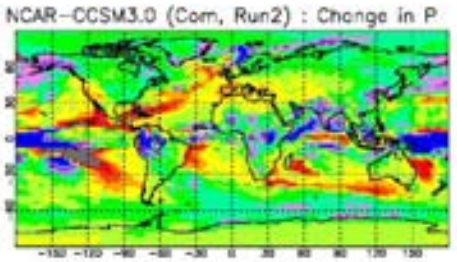
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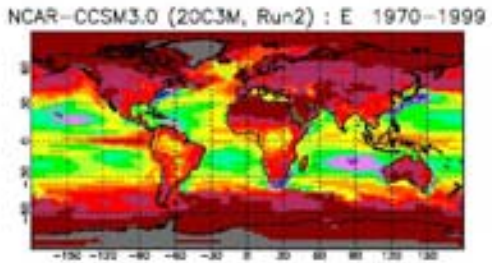
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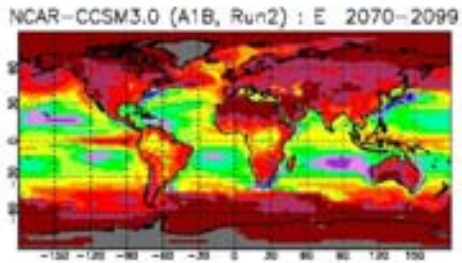
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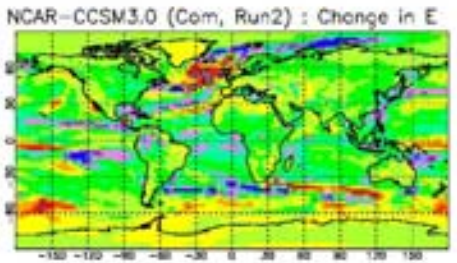
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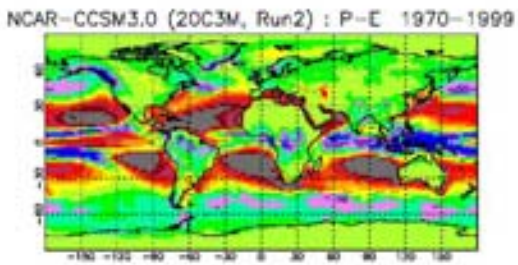
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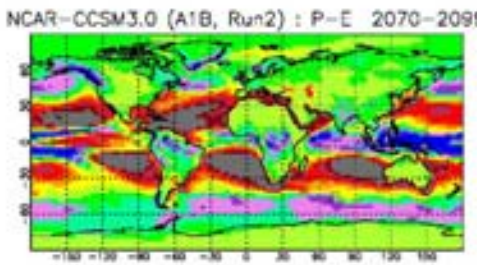
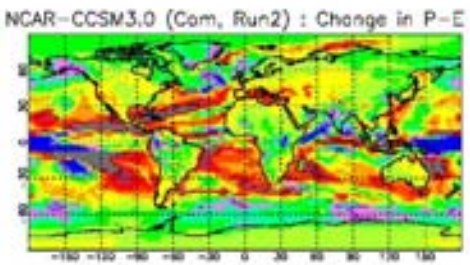
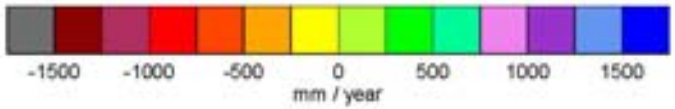

NCAR-CCSM3.0 (A1B, Run2) : P-E 2070-2099


NCAR-CCSM3.0 (Com, Run2) : Change in P-E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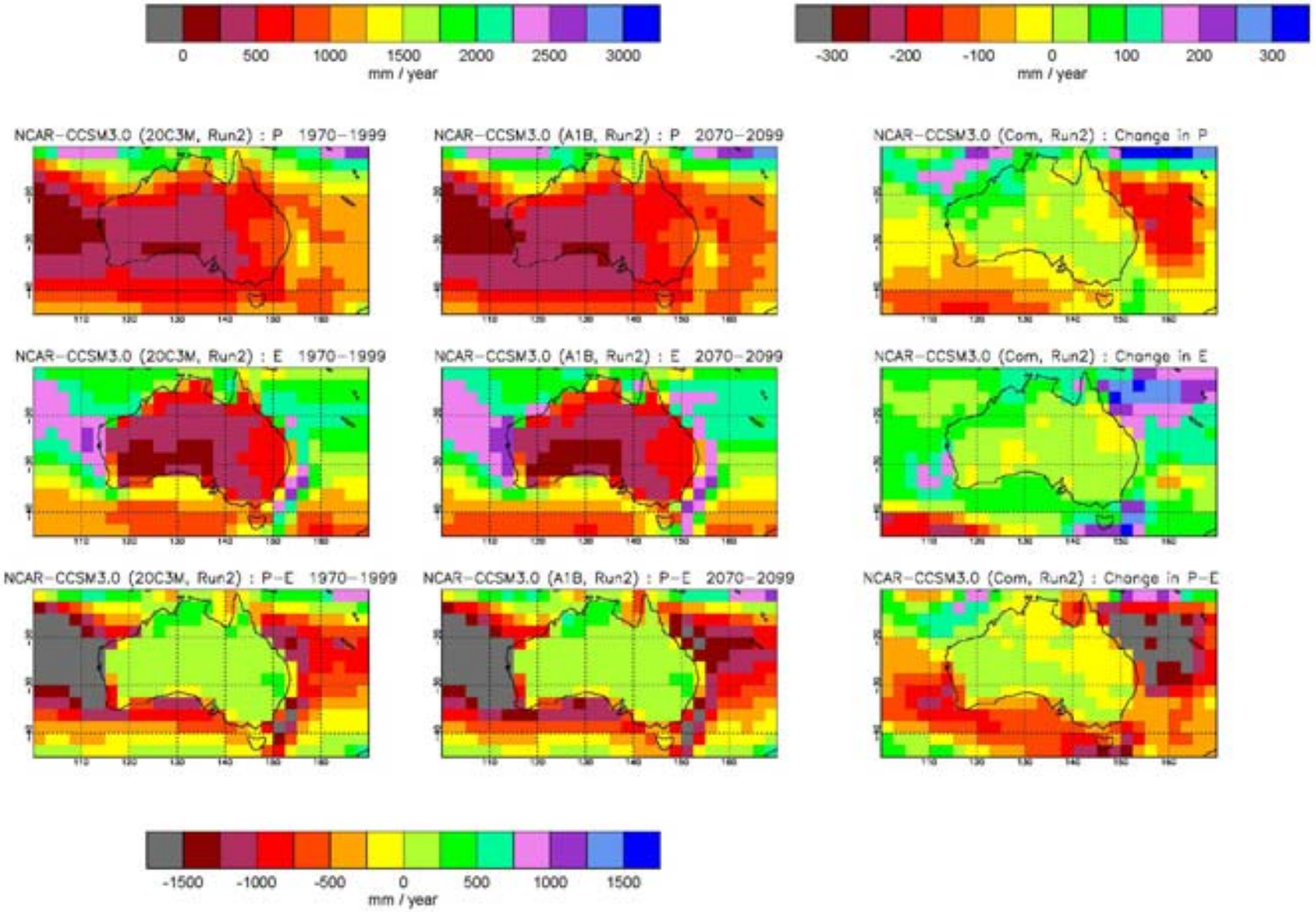
-1000
-500
0
500
1000
1500
mm / year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mm / year
-300 -200 -100 0 100 200 300
mm / year
NCAR-CCSM3.0 (20C3M, Run2) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run2) : P 2070-2099
NCAR-CCSM3.0 (Com, Run2) : Change in P
NCAR-CCSM3.0 (20C3M, Run2) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run2) : E 2070-2099
NCAR-CCSM3.0 (Com, Run2) : Change in E
NCAR-CCSM3.0 (20C3M, Run2) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run2) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set2

Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	763.4	480.9	282.5	1.49E+14	839.7	526.8	312.9	76.3	45.9	30.4
Australia	7.88E+12	593.9	533.6	60.3	7.88E+12	607.5	562.3	45.2	13.6	28.7	-15.1
New Zealand	2.47E+11	1254.2	885.9	368.3	2.47E+11	1315.5	928.4	387.1	61.4	42.5	18.9
South America	1.80E+13	1263.9	850.7	413.3	1.80E+13	1356.5	910.7	445.9	92.6	60.0	32.6
North America	2.42E+13	693.1	367.4	325.7	2.42E+13	772.7	417.4	355.3	79.6	50.0	29.6
Europe	6.92E+12	737.1	470.4	266.8	6.92E+12	739.8	499.7	240.1	2.6	29.3	-26.7
Africa	3.00E+13	870.6	618.6	252.0	3.00E+13	960.5	672.1	288.4	89.9	53.5	36.4
Middle East	4.92E+12	210.7	299.9	-89.2	4.92E+12	277.1	342.7	-65.5	66.4	42.8	23.6
Asia	3.82E+13	656.0	384.2	271.8	3.82E+13	747.2	437.1	310.1	91.2	52.9	38.3
Southeast Asia	4.07E+12	1974.4	1075.1	899.3	4.07E+12	2101.8	1138.5	963.3	127.4	63.4	64.0
Antarctica	1.42E+13	181.2	4.8	176.4	1.42E+13	218.6	5.4	213.2	37.4	0.7	36.8

NCAR-CCSM3.0_Set2

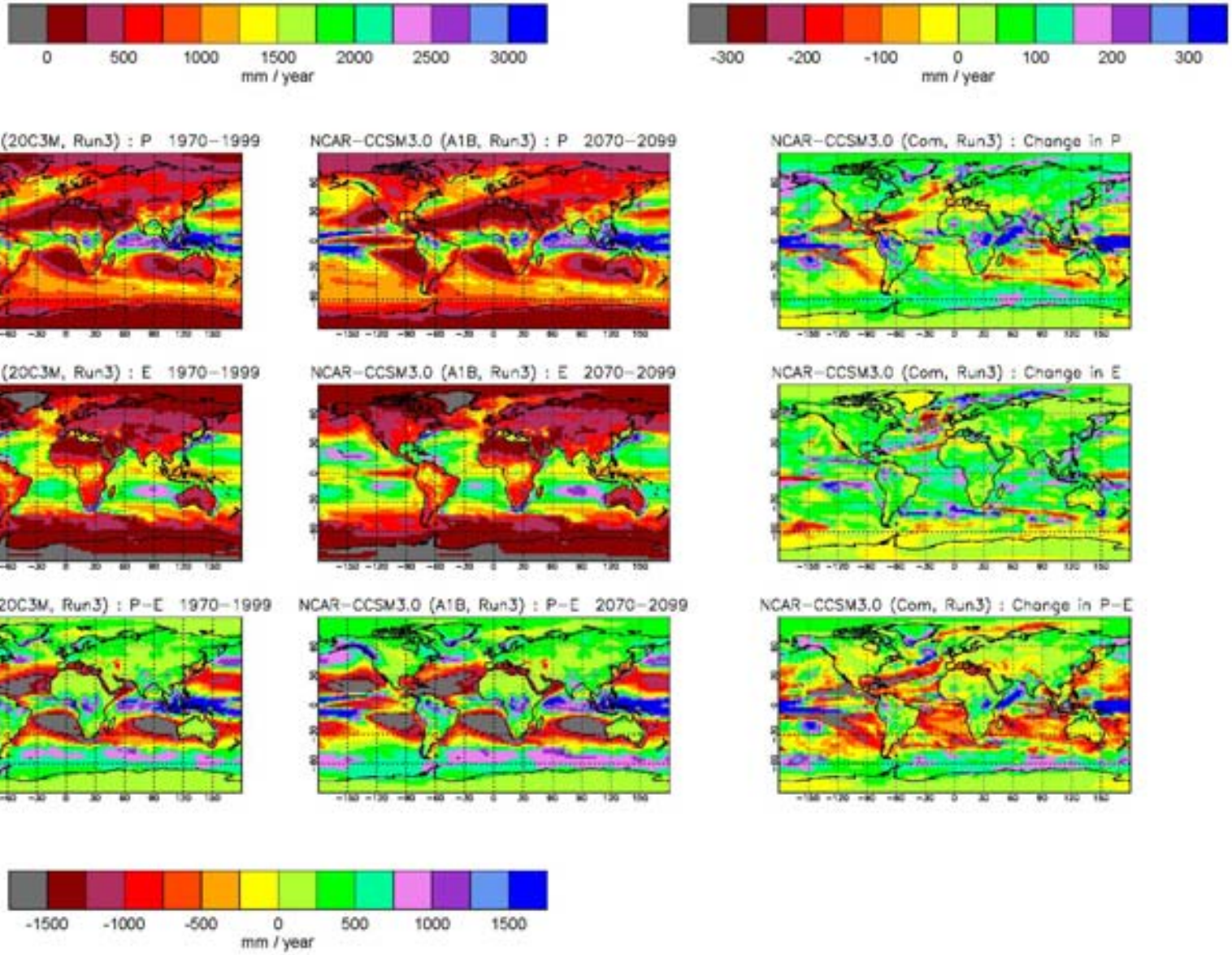
	1970 - 1999 (20C3M, Run2) E' = 0.983895											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1018.2	1018.2	0	3.60E+14	1123.8	1240.8	-117.1	1.49E+14	763.4	480.9	282.5
-90° to -80°	3.86E+12	94.3	-1.1	95.4	3.58E+03	98.8	2.3	96.5	3.86E+12	94.3	-1.1	95.4
-80° to -70°	1.15E+13	254.3	20.2	234.1	3.16E+12	457.7	71.3	386.4	8.32E+12	177.0	0.7	176.3
-70° to -60°	1.88E+13	676.2	134.7	541.5	1.67E+13	713.6	146.9	566.6	2.01E+12	365.5	33.1	332.5
-60° to -50°	2.55E+13	1027.7	351.3	676.3	2.52E+13	1025.0	349.2	675.8	2.22E+11	1334.5	594.6	740.0
-50° to -40°	3.14E+13	1036.4	717.4	319.0	3.04E+13	1039.1	721.4	317.7	9.45E+11	949.3	587.0	362.3
-40° to -30°	3.64E+13	817.0	1289.6	-472.6	3.22E+13	846.3	1374.3	-527.9	4.17E+12	590.2	635.8	-45.7
-30° to -20°	4.02E+13	735.4	1520.3	-784.9	3.09E+13	736.7	1791.6	-1054.9	9.30E+12	731.0	617.6	113.4
-20° to -10°	4.29E+13	1189.5	1654.9	-465.4	3.34E+13	1203.2	1898.0	-694.8	9.47E+12	1141.4	797.8	343.7
-10° to 0°	4.42E+13	1913.7	1343.7	570.0	3.40E+13	1914.4	1429.3	485.0	1.03E+13	1911.6	1060.0	851.6
0° to 10°	4.42E+13	1882.0	1303.9	578.1	3.43E+13	1985.0	1404.6	580.4	9.93E+12	1526.0	955.9	570.0
10° to 20°	4.29E+13	1017.1	1507.8	-490.7	3.14E+13	1116.2	1827.7	-711.5	1.15E+13	746.1	633.0	113.1
20° to 30°	4.02E+13	630.2	1268.1	-637.9	2.50E+13	695.7	1782.4	-1086.7	1.52E+13	522.8	425.2	97.6
30° to 40°	3.64E+13	827.2	1042.5	-215.4	2.07E+13	1012.9	1501.0	-488.1	1.57E+13	581.8	436.7	145.1
40° to 50°	3.14E+13	865.3	542.4	322.9	1.51E+13	1150.6	690.6	460.0	1.63E+13	600.7	404.9	195.8
50° to 60°	2.55E+13	861.8	443.1	418.8	1.07E+13	1055.7	578.8	476.9	1.48E+13	721.8	345.0	376.8
60° to 70°	1.88E+13	656.5	248.8	407.7	5.37E+12	812.3	450.7	361.6	1.34E+13	593.9	167.8	426.1
70° to 80°	1.15E+13	372.6	137.3	235.3	7.93E+12	388.4	177.9	210.5	3.56E+12	337.5	47.1	290.4
80° to 90°	3.86E+12	256.8	23.8	233.0	3.52E+12	259.4	26.5	232.9	3.37E+11	228.8	-4.6	233.4

NCAR-CCSM3.0_Set2

	2070 - 2099 (A1B, Run2) E' = 0.981536												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1078.2	1078.2	0	3.60E+14	1177.1	1306.8	-129.7	1.49E+14	839.7	526.8	312.9	60.1	60.1	0.0	53.3	65.9	-12.6	76.3	45.9	30.4
-90° to -80°	3.86E+12	106.7	0.6	106.1	3.58E+03	77.3	15.3	62.0	3.86E+12	106.7	0.6	106.1	12.4	1.7	10.7	-21.5	13.0	-34.5	12.4	1.7	10.7
-80° to -70°	1.15E+13	291.0	19.8	271.2	3.16E+12	502.9	67.9	435.0	8.32E+12	210.6	1.6	209.0	36.8	-0.3	37.1	45.2	-3.5	48.6	33.6	0.9	32.7
-70° to -60°	1.88E+13	779.7	122.7	657.0	1.67E+13	817.3	133.8	683.6	2.01E+12	466.8	30.7	436.1	103.5	-12.0	115.5	103.8	-13.2	116.9	101.3	-2.4	103.6
-60° to -50°	2.55E+13	1117.8	335.6	782.2	2.52E+13	1115.4	332.9	782.6	2.22E+11	1391.4	646.3	745.1	90.2	-15.7	105.9	90.5	-16.3	106.8	56.9	51.8	5.1
-50° to -40°	3.14E+13	1060.1	788.9	271.2	3.04E+13	1063.8	794.2	269.5	9.45E+11	942.6	617.3	325.3	23.7	71.5	-47.8	24.6	72.8	-48.2	-6.6	30.3	-36.9
-40° to -30°	3.64E+13	814.7	1356.6	-541.9	3.22E+13	841.0	1445.6	-604.6	4.17E+12	611.4	668.7	-57.3	-2.3	66.9	-69.2	-5.3	71.4	-76.7	21.2	32.8	-11.6
-30° to -20°	4.02E+13	738.2	1587.7	-849.5	3.09E+13	729.6	1870.0	-1140.4	9.30E+12	766.7	648.3	118.4	2.7	67.3	-64.6	-7.2	78.4	-85.5	35.7	30.7	4.9
-20° to -10°	4.29E+13	1188.1	1756.7	-568.6	3.34E+13	1180.9	2015.7	-834.8	9.47E+12	1213.3	843.3	370.0	-1.5	101.8	-103.2	-22.3	117.7	-139.9	71.9	45.6	26.3
-10° to 0°	4.42E+13	2112.2	1414.5	697.7	3.40E+13	2123.5	1499.6	623.9	1.03E+13	2075.1	1132.7	942.4	198.5	70.8	127.7	209.1	70.3	138.8	163.5	72.7	90.8
0° to 10°	4.42E+13	2013.0	1382.6	630.4	3.43E+13	2114.0	1482.6	631.4	9.93E+12	1664.1	1037.1	627.0	131.0	78.7	52.3	129.0	78.0	50.9	138.2	81.2	57.0
10° to 20°	4.29E+13	1053.5	1603.2	-549.7	3.14E+13	1130.7	1934.1	-803.4	1.15E+13	842.3	698.2	144.1	36.4	95.4	-59.0	14.5	106.4	-91.9	96.2	65.2	31.0
20° to 30°	4.02E+13	643.1	1325.9	-682.7	2.50E+13	675.0	1849.4	-1174.4	1.52E+13	590.9	467.9	123.0	13.0	57.8	-44.8	-20.7	67.0	-87.7	68.1	42.7	25.4
30° to 40°	3.64E+13	851.4	1100.6	-249.2	2.07E+13	1022.6	1569.4	-546.7	1.57E+13	625.2	481.2	144.0	24.3	58.1	-33.8	9.8	68.4	-58.6	43.4	44.5	-1.1
40° to 50°	3.14E+13	921.3	598.7	322.6	1.51E+13	1222.0	756.7	465.3	1.63E+13	642.6	452.4	190.2	56.0	56.4	-0.4	71.3	66.0	5.3	41.9	47.4	-5.6
50° to 60°	2.55E+13	942.4	470.6	471.8	1.07E+13	1133.8	563.3	570.5	1.48E+13	804.1	403.7	400.5	80.6	27.6	53.0	78.1	-15.5	93.6	82.3	58.6	23.7
60° to 70°	1.88E+13	767.8	291.7	476.1	5.37E+12	910.0	491.1	419.0	1.34E+13	710.8	211.7	499.1	111.3	42.9	68.5	97.7	40.4	57.3	116.8	43.9	72.9
70° to 80°	1.15E+13	486.1	204.4	281.7	7.93E+12	505.3	266.4	239.0	3.56E+12	443.4	66.5	376.9	113.5	67.1	46.4	116.9	88.5	28.4	105.9	19.4	86.5
80° to 90°	3.86E+12	368.7	93.9	274.8	3.52E+12	370.1	101.5	268.6	3.37E+11	353.3	14.1	339.1	111.9	70.1	41.8	110.7	75.1	35.7	124.5	18.7	105.8

NCAR-CCSM3.0_Set2

	2070 - 2099 (A2, Run2) E' = 0.980622												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1085.6	1085.6	0	3.60E+14	1178.9	1313.8	-135.0	1.49E+14	860.4	534.7	325.7	67.4	67.4	0.0	55.1	73.0	-17.9	97.0	53.8	43.2
-90° to -80°	3.86E+12	110.7	1.2	109.6	3.58E+03	120.2	6.5	113.8	3.86E+12	110.7	1.2	109.6	16.5	2.3	14.2	21.5	4.2	17.3	16.5	2.3	14.2
-80° to -70°	1.15E+13	300.1	20.7	279.4	3.16E+12	516.3	70.2	446.0	8.32E+12	218.0	1.9	216.2	45.9	0.5	45.3	58.5	-1.1	59.6	41.0	1.2	39.9
-70° to -60°	1.88E+13	813.6	122.4	691.2	1.67E+13	852.9	133.1	719.8	2.01E+12	486.3	33.0	453.3	137.4	-12.3	149.7	139.4	-13.8	153.2	120.8	0.0	120.8
-60° to -50°	2.55E+13	1140.6	330.5	810.1	2.52E+13	1138.2	327.6	810.6	2.22E+11	1413.5	663.3	750.2	113.0	-20.9	133.8	113.3	-21.6	134.9	79.0	68.7	10.2
-50° to -40°	3.14E+13	1057.8	804.9	252.9	3.04E+13	1062.0	810.2	251.8	9.45E+11	921.5	633.9	287.6	21.3	87.5	-66.2	22.8	88.8	-65.9	-27.8	46.9	-74.7
-40° to -30°	3.64E+13	803.3	1372.6	-569.3	3.22E+13	827.2	1462.2	-635.0	4.17E+12	618.7	680.5	-61.7	-13.7	83.0	-96.6	-19.2	87.9	-107.1	28.5	44.6	-16.1
-30° to -20°	4.02E+13	742.1	1598.0	-855.8	3.09E+13	725.5	1878.3	-1152.8	9.30E+12	797.7	665.3	132.3	6.7	77.7	-70.9	-11.3	86.7	-97.9	66.6	47.7	18.9
-20° to -10°	4.29E+13	1169.6	1775.1	-605.5	3.34E+13	1150.2	2037.5	-887.3	9.47E+12	1238.3	849.7	388.5	-19.9	120.2	-140.1	-53.0	139.5	-192.5	96.8	52.0	44.9
-10° to 0°	4.42E+13	2145.3	1408.9	736.4	3.40E+13	2154.7	1492.8	661.8	1.03E+13	2114.2	1130.6	983.6	231.6	65.2	166.4	240.3	63.5	176.8	202.6	70.6	132.0
0° to 10°	4.42E+13	2043.7	1379.4	664.3	3.43E+13	2140.4	1473.9	666.5	9.93E+12	1709.5	1052.6	656.9	161.7	75.5	86.2	155.4	69.4	86.0	183.6	96.7	86.9
10° to 20°	4.29E+13	1044.7	1615.5	-570.8	3.14E+13	1107.5	1946.9	-839.4	1.15E+13	872.9	709.2	163.8	27.6	107.7	-80.1	-8.7	119.2	-127.9	126.9	76.2	50.7
20° to 30°	4.02E+13	640.1	1338.2	-698.1	2.50E+13	659.1	1864.0	-1204.9	1.52E+13	609.1	476.6	132.4	10.0	70.2	-60.2	-36.6	81.6	-118.2	86.3	51.5	34.8
30° to 40°	3.64E+13	844.9	1106.6	-261.8	2.07E+13	1004.2	1576.4	-572.2	1.57E+13	634.4	485.9	148.5	17.7	64.1	-46.4	-8.7	75.4	-84.1	52.6	49.2	3.4
40° to 50°	3.14E+13	910.8	611.3	299.4	1.51E+13	1209.3	779.8	429.5	1.63E+13	634.0	455.1	178.9	45.5	69.0	-23.5	58.6	89.2	-30.6	33.3	50.2	-16.9
50° to 60°	2.55E+13	958.2	470.5	487.8	1.07E+13	1155.1	545.0	610.1	1.48E+13	816.0	416.7	399.4	96.4	27.4	69.0	99.4	-33.8	133.2	94.2	71.6	22.6
60° to 70°	1.88E+13	810.0	296.6	513.4	5.37E+12	944.0	480.9	463.1	1.34E+13	756.2	222.6	533.6	153.5	47.7	105.8	131.7	30.3	101.5	162.2	54.8	107.5
70° to 80°	1.15E+13	521.2	214.4	306.8	7.93E+12	539.1	277.7	261.4	3.56E+12	481.3	73.4	407.9	148.6	77.0	71.6	150.7	99.9	50.9	143.9	26.3	117.6
80° to 90°	3.86E+12	408.8	122.3	286.6	3.52E+12	407.9	131.7	276.3	3.37E+11	418.4	24.0	394.5	152.1	98.5	53.6	148.5	105.2	43.3	189.6	28.5	161.1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mm / year
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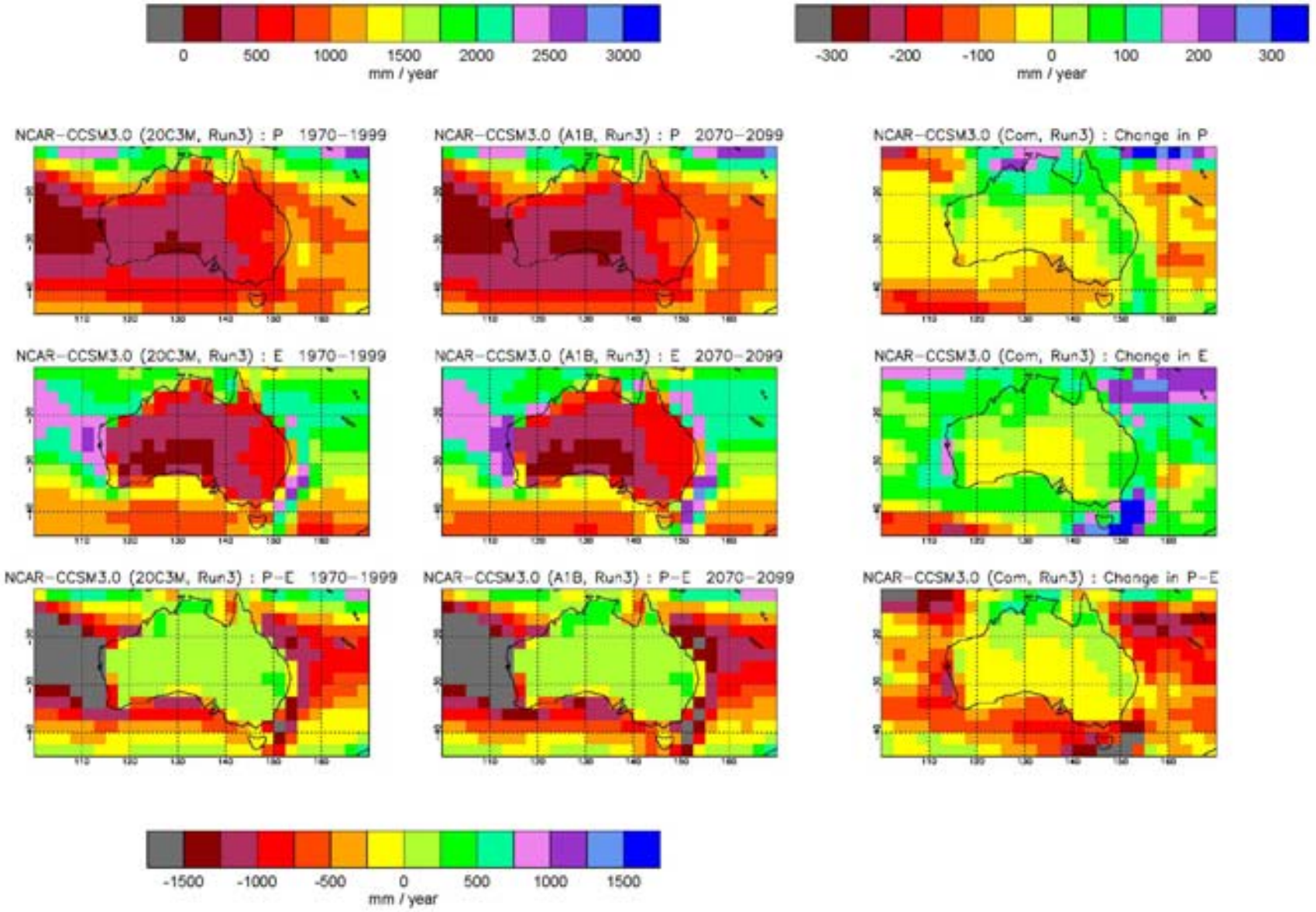
mm / year
NCAR-CCSM3.0 (20C3M, Run3) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : P 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in P
NCAR-CCSM3.0 (20C3M, Run3) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : E 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in E
NCAR-CCSM3.0 (20C3M, Run3) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year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mm / year
-300 -200 -100 0 100 200 300
mm / year
NCAR-CCSM3.0 (20C3M, Run3) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : P 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in P
NCAR-CCSM3.0 (20C3M, Run3) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : E 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in E
NCAR-CCSM3.0 (20C3M, Run3) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run3) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run3) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set3

Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	760.6	479.3	281.4	1.49E+14	839.8	526.4	313.4	79.2	47.2	32.0
Australia	7.88E+12	582.2	530.5	51.7	7.88E+12	605.8	558.8	47.0	23.6	28.3	-4.7
New Zealand	2.47E+11	1240.7	880.0	360.7	2.47E+11	1277.6	935.6	342.0	36.8	55.6	-18.7
South America	1.80E+13	1261.8	849.9	411.9	1.80E+13	1352.3	910.3	442.0	90.5	60.4	30.1
North America	2.42E+13	684.8	364.2	320.6	2.42E+13	769.4	414.1	355.3	84.6	49.9	34.7
Europe	6.92E+12	722.5	464.5	258.0	6.92E+12	740.8	494.5	246.3	18.2	30.0	-11.7
Africa	3.00E+13	866.7	615.6	251.0	3.00E+13	964.2	672.9	291.3	97.5	57.2	40.3
Middle East	4.92E+12	228.1	308.0	-79.9	4.92E+12	279.1	342.1	-63.1	50.9	34.1	16.8
Asia	3.82E+13	654.6	383.6	271.0	3.82E+13	749.5	439.0	310.5	95.0	55.5	39.5
Southeast Asia	4.07E+12	2001.2	1072.3	928.9	4.07E+12	2105.6	1138.1	967.4	104.3	65.8	38.5
Antarctica	1.42E+13	180.8	4.8	175.9	1.42E+13	216.4	5.7	210.7	35.6	0.9	34.7

NCAR-CCSM3.0_Set3

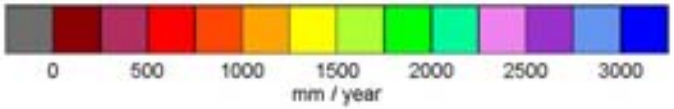
	1970 - 1999 (20C3M, Run3) E' = 0.983905											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1017.1	1017.1	0	3.60E+14	1123.3	1239.9	-116.6	1.49E+14	760.6	479.3	281.4
-90° to -80°	3.86E+12	97.4	-1.3	98.8	3.58E+03	42.9	6.4	36.5	3.86E+12	97.4	-1.3	98.8
-80° to -70°	1.15E+13	254.8	19.8	235.0	3.16E+12	459.0	70.1	388.9	8.32E+12	177.3	0.7	176.6
-70° to -60°	1.88E+13	666.9	131.1	535.8	1.67E+13	704.3	142.8	561.5	2.01E+12	355.1	33.7	321.4
-60° to -50°	2.55E+13	1021.5	349.7	671.8	2.52E+13	1019.0	347.6	671.4	2.22E+11	1312.9	588.5	724.4
-50° to -40°	3.14E+13	1044.2	711.6	332.6	3.04E+13	1046.4	715.5	330.9	9.45E+11	970.9	584.0	386.8
-40° to -30°	3.64E+13	811.5	1284.2	-472.7	3.22E+13	841.1	1368.8	-527.7	4.17E+12	583.0	631.0	-48.0
-30° to -20°	4.02E+13	727.0	1521.7	-794.6	3.09E+13	729.9	1794.7	-1064.9	9.30E+12	717.6	612.9	104.6
-20° to -10°	4.29E+13	1185.6	1653.5	-467.9	3.34E+13	1204.3	1897.0	-692.7	9.47E+12	1119.4	794.7	324.7
-10° to 0°	4.42E+13	1923.4	1341.8	581.6	3.40E+13	1921.5	1426.9	494.6	1.03E+13	1929.5	1059.7	869.8
0° to 10°	4.42E+13	1887.2	1301.0	586.1	3.43E+13	1989.0	1400.6	588.4	9.93E+12	1535.2	957.0	578.3
10° to 20°	4.29E+13	1021.6	1509.9	-488.4	3.14E+13	1121.0	1830.9	-709.9	1.15E+13	749.7	632.2	117.5
20° to 30°	4.02E+13	631.3	1272.2	-640.9	2.50E+13	697.6	1790.0	-1092.3	1.52E+13	522.6	423.6	99.0
30° to 40°	3.64E+13	814.4	1038.2	-223.8	2.07E+13	989.1	1494.7	-505.6	1.57E+13	583.5	434.8	148.7
40° to 50°	3.14E+13	860.4	556.4	303.9	1.51E+13	1157.7	724.6	433.1	1.63E+13	584.8	400.6	184.2
50° to 60°	2.55E+13	858.7	430.0	428.6	1.07E+13	1057.0	551.5	505.5	1.48E+13	715.4	342.3	373.1
60° to 70°	1.88E+13	652.6	246.1	406.6	5.37E+12	810.0	438.2	371.8	1.34E+13	589.5	169.0	420.5
70° to 80°	1.15E+13	376.8	135.7	241.1	7.93E+12	393.8	174.9	218.8	3.56E+12	339.0	48.4	290.7
80° to 90°	3.86E+12	266.1	25.4	240.8	3.52E+12	267.7	28.4	239.3	3.37E+11	249.5	-6.2	255.7

NCAR-CCSM3.0_Set3

	2070 - 2099 (A1B, Run3) E' = 0.981442												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1078.3	1078.3	0	3.60E+14	1177.1	1306.9	-129.9	1.49E+14	839.8	526.4	313.4	61.2	61.2	0.0	53.7	67.0	-13.3	79.2	47.2	32.0
-90° to -80°	3.86E+12	107.4	0.5	106.8	3.58E+03	77.3	15.2	62.1	3.86E+12	107.4	0.5	106.8	9.9	1.9	8.1	34.4	8.8	25.6	9.9	1.9	8.1
-80° to -70°	1.15E+13	288.2	20.1	268.1	3.16E+12	494.8	68.9	425.9	8.32E+12	209.7	1.6	208.1	33.4	0.3	33.0	35.8	-1.1	37.0	32.4	0.9	31.5
-70° to -60°	1.88E+13	774.9	119.3	655.6	1.67E+13	813.5	129.7	683.8	2.01E+12	453.2	32.6	420.6	108.0	-11.8	119.8	109.2	-13.1	122.3	98.0	-1.1	99.2
-60° to -50°	2.55E+13	1112.3	334.2	778.1	2.52E+13	1110.0	331.5	778.5	2.22E+11	1380.5	643.2	737.3	90.8	-15.5	106.3	91.0	-16.1	107.1	67.6	54.7	12.9
-50° to -40°	3.14E+13	1064.2	787.7	276.5	3.04E+13	1068.1	792.9	275.2	9.45E+11	939.2	621.2	318.0	20.0	76.2	-56.1	21.6	77.4	-55.7	-31.7	37.2	-68.8
-40° to -30°	3.64E+13	812.4	1353.7	-541.3	3.22E+13	839.5	1442.9	-603.3	4.17E+12	603.1	664.9	-61.8	0.9	69.5	-68.5	-1.5	74.1	-75.6	20.0	33.9	-13.9
-30° to -20°	4.02E+13	737.8	1583.6	-845.8	3.09E+13	729.5	1864.9	-1135.3	9.30E+12	765.4	647.4	118.0	10.8	61.9	-51.1	-0.3	70.1	-70.5	47.8	34.5	13.3
-20° to -10°	4.29E+13	1170.2	1765.4	-595.2	3.34E+13	1160.5	2027.9	-867.4	9.47E+12	1204.2	839.7	364.5	-15.4	111.9	-127.3	-43.8	130.9	-174.7	84.8	45.0	39.8
-10° to 0°	4.42E+13	2121.8	1410.8	710.9	3.40E+13	2135.8	1495.2	640.6	1.03E+13	2075.3	1131.5	943.8	198.4	69.1	129.3	214.2	68.3	146.0	145.8	71.8	74.0
0° to 10°	4.42E+13	2034.5	1382.9	651.6	3.43E+13	2135.2	1480.0	655.2	9.93E+12	1686.5	1047.3	639.2	147.3	81.9	65.5	146.2	79.4	66.8	151.3	90.4	60.9
10° to 20°	4.29E+13	1048.6	1603.0	-554.4	3.14E+13	1125.4	1934.8	-809.3	1.15E+13	838.4	695.6	142.8	27.0	93.1	-66.1	4.5	103.9	-99.5	88.7	63.4	25.3
20° to 30°	4.02E+13	643.0	1327.7	-684.8	2.50E+13	677.8	1852.8	-1175.1	1.52E+13	585.9	467.2	118.8	11.7	55.5	-43.9	-19.9	62.8	-82.7	63.3	43.6	19.8
30° to 40°	3.64E+13	847.2	1102.9	-255.8	2.07E+13	1013.3	1574.6	-561.3	1.57E+13	627.6	479.7	148.0	32.8	64.8	-32.0	24.2	79.8	-55.6	44.1	44.8	-0.7
40° to 50°	3.14E+13	920.6	604.6	316.0	1.51E+13	1217.9	767.2	450.7	1.63E+13	644.9	453.8	191.1	60.2	48.2	12.1	60.3	42.7	17.6	60.2	53.3	6.9
50° to 60°	2.55E+13	942.0	467.4	474.7	1.07E+13	1135.9	556.7	579.2	1.48E+13	802.0	402.8	399.2	83.4	37.3	46.0	78.9	5.2	73.7	86.6	60.6	26.0
60° to 70°	1.88E+13	773.6	290.8	482.8	5.37E+12	919.2	495.7	423.5	1.34E+13	715.1	208.5	506.6	120.9	44.7	76.2	109.2	57.5	51.7	125.6	39.6	86.1
70° to 80°	1.15E+13	482.0	202.4	279.7	7.93E+12	502.4	263.2	239.2	3.56E+12	436.7	66.9	369.8	105.3	66.7	38.6	108.6	88.3	20.4	97.7	18.6	79.1
80° to 90°	3.86E+12	360.5	86.2	274.3	3.52E+12	362.3	93.6	268.7	3.37E+11	341.2	8.4	332.8	94.3	60.8	33.5	94.6	65.2	29.4	91.7	14.6	77.1

NCAR-CCSM3.0_Set3

	2070 - 2099 (A2, Run3) E' = 0.980592												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1084.2	1084.2	0	3.60E+14	1177.1	1312.1	-135.0	1.49E+14	859.8	534.2	325.7	67.1	67.1	0.0	53.8	72.1	-18.4	99.2	54.9	44.3
-90° to -80°	3.86E+12	111.9	1.5	110.5	3.58E+03	120.2	15.3	104.9	3.86E+12	111.9	1.5	110.5	14.5	2.8	11.7	77.3	8.9	68.4	14.5	2.8	11.7
-80° to -70°	1.15E+13	305.4	19.9	285.5	3.16E+12	520.9	68.8	452.1	8.32E+12	223.5	1.4	222.2	50.6	0.1	50.4	61.9	-1.3	63.2	46.2	0.6	45.6
-70° to -60°	1.88E+13	811.8	120.9	690.9	1.67E+13	849.7	131.6	718.0	2.01E+12	496.8	31.8	465.0	145.0	-10.2	155.1	145.4	-11.2	156.5	141.7	-1.9	143.6
-60° to -50°	2.55E+13	1134.9	330.5	804.5	2.52E+13	1132.6	327.7	804.9	2.22E+11	1406.3	650.5	755.8	113.4	-19.2	132.6	113.6	-19.9	133.5	93.4	62.0	31.5
-50° to -40°	3.14E+13	1057.7	803.3	254.4	3.04E+13	1062.0	808.7	253.3	9.45E+11	920.6	628.7	291.9	13.6	91.7	-78.1	15.5	93.2	-77.6	-50.3	44.6	-94.9
-40° to -30°	3.64E+13	806.3	1369.1	-562.8	3.22E+13	832.1	1459.4	-627.3	4.17E+12	606.5	671.3	-64.8	-5.2	84.8	-90.1	-8.9	90.6	-99.5	23.4	40.3	-16.9
-30° to -20°	4.02E+13	738.8	1595.4	-856.6	3.09E+13	727.0	1877.4	-1150.5	9.30E+12	778.4	656.9	121.6	11.8	73.8	-61.9	-2.9	82.7	-85.6	60.9	44.0	16.9
-20° to -10°	4.29E+13	1164.5	1772.3	-607.8	3.34E+13	1147.3	2034.7	-887.4	9.47E+12	1225.2	846.8	378.4	-21.1	118.8	-139.8	-57.0	137.7	-194.7	105.8	52.1	53.7
-10° to 0°	4.42E+13	2132.3	1412.2	720.2	3.40E+13	2141.0	1497.6	643.3	1.03E+13	2103.8	1129.2	974.6	209.0	70.4	138.5	219.5	70.7	148.7	174.3	69.5	104.8
0° to 10°	4.42E+13	2045.9	1377.5	668.4	3.43E+13	2142.7	1470.6	672.1	9.93E+12	1711.3	1055.8	655.5	158.7	76.5	82.3	153.7	70.0	83.7	176.1	98.9	77.3
10° to 20°	4.29E+13	1046.4	1611.9	-565.5	3.14E+13	1110.4	1941.9	-831.5	1.15E+13	871.4	709.5	161.9	24.8	102.0	-77.2	-10.6	111.0	-121.6	121.7	77.3	44.4
20° to 30°	4.02E+13	644.3	1335.8	-691.5	2.50E+13	658.7	1858.7	-1200.0	1.52E+13	620.8	478.7	142.0	13.0	63.6	-50.6	-39.0	68.7	-107.7	98.2	55.2	43.0
30° to 40°	3.64E+13	846.5	1106.9	-260.3	2.07E+13	1007.0	1579.1	-572.1	1.57E+13	634.5	482.8	151.7	32.2	68.7	-36.6	17.9	84.4	-66.5	51.0	48.0	3.0
40° to 50°	3.14E+13	917.4	610.1	307.2	1.51E+13	1209.7	771.6	438.1	1.63E+13	646.3	460.5	185.8	57.0	53.7	3.3	52.1	47.0	5.1	61.6	60.0	1.6
50° to 60°	2.55E+13	955.9	471.1	484.8	1.07E+13	1142.1	544.1	598.0	1.48E+13	821.4	418.3	403.1	97.3	41.1	56.2	85.2	-7.3	92.5	106.0	76.1	29.9
60° to 70°	1.88E+13	801.5	293.9	507.6	5.37E+12	931.8	478.5	453.3	1.34E+13	749.2	219.8	529.4	148.9	47.9	101.0	121.9	40.4	81.5	159.7	50.8	108.9
70° to 80°	1.15E+13	509.5	214.0	295.5	7.93E+12	528.3	277.6	250.7	3.56E+12	467.8	72.6	395.2	132.7	78.3	54.4	134.5	102.7	31.9	128.8	24.2	104.6
80° to 90°	3.86E+12	398.9	116.3	282.6	3.52E+12	400.9	125.0	275.9	3.37E+11	378.2	25.3	352.9	132.8	90.9	41.9	133.2	96.6	36.6	128.7	31.5	97.2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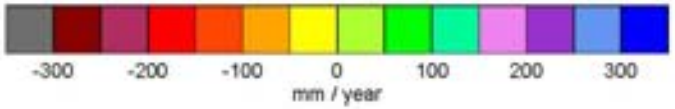
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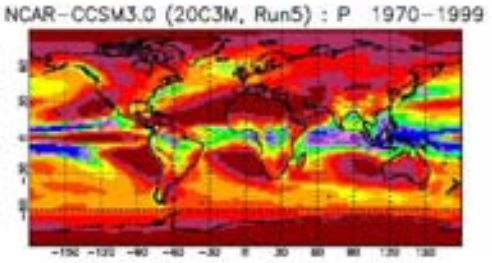
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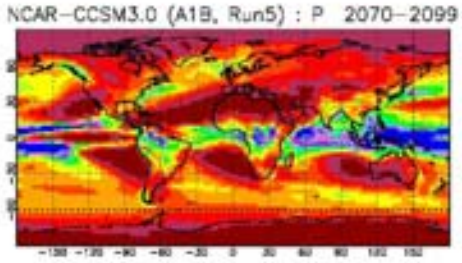
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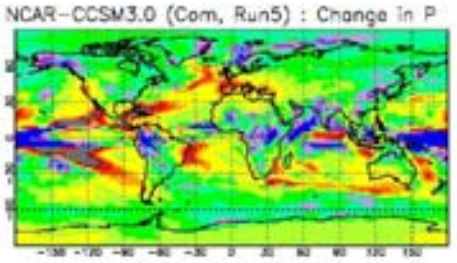
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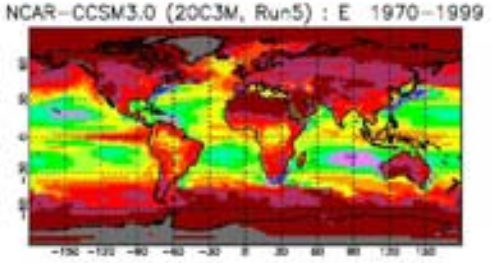
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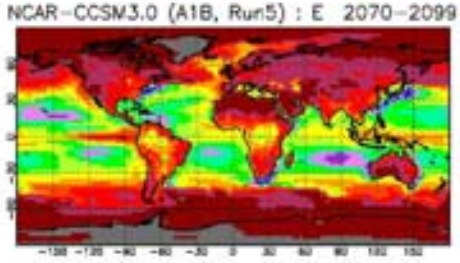
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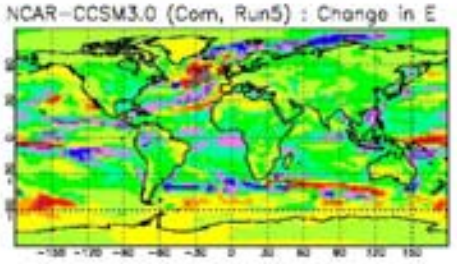
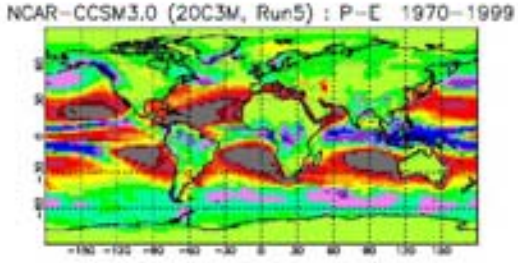
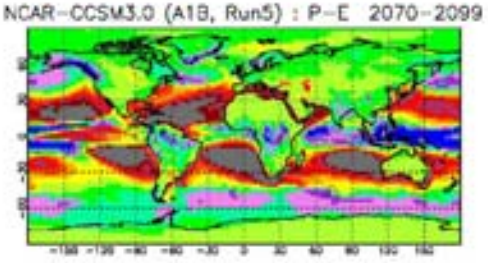
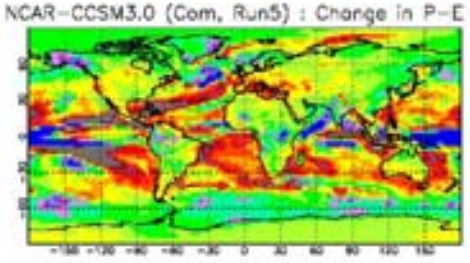
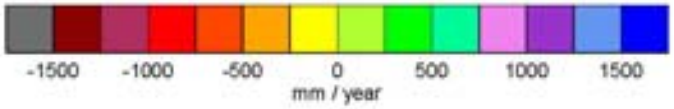

NCAR-CCSM3.0 (Com, Run5) : Change in E


NCAR-CCSM3.0 (20C3M, Run5) : P-E 1970-1999


NCAR-CCSM3.0 (A1B, Run5) : P-E 2070-2099


NCAR-CCSM3.0 (Com, Run5) : Change in P-E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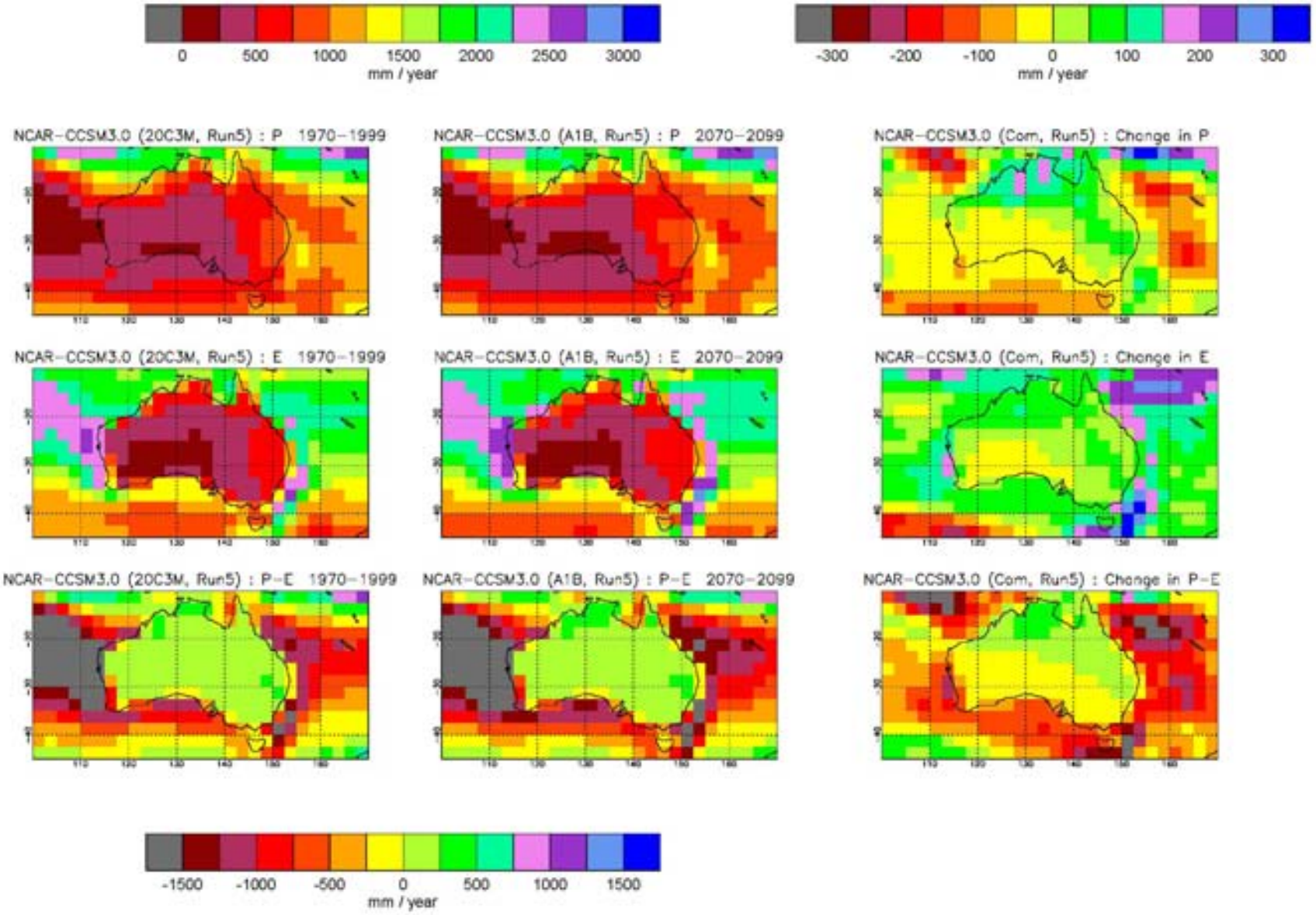
0
500
1000
1500
mm / year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mm / year
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mm / year
NCAR-CCSM3.0 (20C3M, Run5) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run5) : P 2070-2099
NCAR-CCSM3.0 (Com, Run5) : Change in P
NCAR-CCSM3.0 (20C3M, Run5) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run5) : E 2070-2099
NCAR-CCSM3.0 (Com, Run5) : Change in E
NCAR-CCSM3.0 (20C3M, Run5) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run5) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run5) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set4

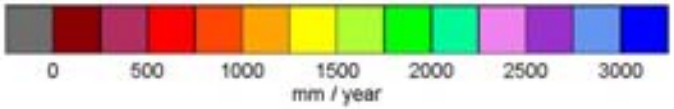
Region	1970 - 1999 (20C3M, Run5)				2070 - 2099 (A1B, Run5)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	761.2	477.9	283.2	1.49E+14	840.5	526.2	314.3	79.3	48.2	31.1
Australia	7.88E+12	565.9	522.3	43.6	7.88E+12	602.9	560.0	42.9	37.0	37.8	-0.8
New Zealand	2.47E+11	1235.1	879.5	355.6	2.47E+11	1313.6	936.1	377.5	78.6	56.7	21.9
South America	1.80E+13	1261.9	846.6	415.3	1.80E+13	1346.4	907.8	438.6	84.5	61.2	23.3
North America	2.42E+13	683.8	360.7	323.1	2.42E+13	767.4	411.4	356.0	83.7	50.7	32.9
Europe	6.92E+12	746.3	467.9	278.4	6.92E+12	737.7	497.1	240.6	-8.6	29.2	-37.8
Africa	3.00E+13	869.4	617.1	252.2	3.00E+13	966.5	673.3	293.1	97.1	56.2	40.9
Middle East	4.92E+12	225.9	307.2	-81.3	4.92E+12	287.5	348.0	-60.5	61.5	40.7	20.8
Asia	3.82E+13	655.5	382.6	272.9	3.82E+13	753.9	438.6	315.3	98.4	56.0	42.4
Southeast Asia	4.07E+12	2001.0	1066.2	934.8	4.07E+12	2118.2	1139.7	978.5	117.2	73.5	43.7
Antarctica	1.42E+13	178.9	4.8	174.1	1.42E+13	213.3	5.5	207.8	34.5	0.7	33.7

NCAR-CCSM3.0_Set4

	1970 - 1999 (20C3M, Run5) E' = 0.983693											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1017.5	1017.5	0	3.60E+14	1123.7	1241.1	-117.4	1.49E+14	761.2	477.9	283.2
-90° to -80°	3.86E+12	94.1	-1.3	95.4	3.58E+03	94.5	4.0	90.4	3.86E+12	94.1	-1.3	95.4
-80° to -70°	1.15E+13	248.8	20.0	228.8	3.16E+12	448.2	70.1	378.1	8.32E+12	173.1	1.0	172.1
-70° to -60°	1.88E+13	676.8	131.4	545.5	1.67E+13	714.2	143.3	571.0	2.01E+12	365.6	32.3	333.3
-60° to -50°	2.55E+13	1033.3	350.8	682.5	2.52E+13	1030.8	348.6	682.2	2.22E+11	1323.5	603.7	719.7
-50° to -40°	3.14E+13	1035.5	721.3	314.1	3.04E+13	1037.9	725.4	312.4	9.45E+11	957.3	588.9	368.4
-40° to -30°	3.64E+13	811.0	1286.3	-475.3	3.22E+13	840.2	1371.0	-530.8	4.17E+12	586.0	632.0	-46.0
-30° to -20°	4.02E+13	733.1	1517.0	-783.9	3.09E+13	739.9	1790.6	-1050.8	9.30E+12	710.6	606.4	104.2
-20° to -10°	4.29E+13	1193.4	1653.2	-459.8	3.34E+13	1212.2	1897.2	-685.0	9.47E+12	1127.0	792.6	334.4
-10° to 0°	4.42E+13	1911.5	1344.2	567.3	3.40E+13	1908.3	1431.3	477.0	1.03E+13	1921.9	1055.7	866.2
0° to 10°	4.42E+13	1882.5	1302.5	580.0	3.43E+13	1983.7	1402.0	581.7	9.93E+12	1533.0	958.6	574.4
10° to 20°	4.29E+13	1020.7	1506.3	-485.7	3.14E+13	1119.3	1826.4	-707.1	1.15E+13	751.0	630.9	120.1
20° to 30°	4.02E+13	637.3	1271.2	-634.0	2.50E+13	701.0	1787.2	-1086.2	1.52E+13	532.7	425.6	107.2
30° to 40°	3.64E+13	813.5	1038.9	-225.4	2.07E+13	997.1	1499.7	-502.6	1.57E+13	570.9	430.0	140.8
40° to 50°	3.14E+13	867.9	556.0	311.8	1.51E+13	1160.5	723.8	436.8	1.63E+13	596.6	400.6	196.0
50° to 60°	2.55E+13	859.0	435.4	423.6	1.07E+13	1055.2	564.3	490.9	1.48E+13	717.3	342.2	375.0
60° to 70°	1.88E+13	651.8	242.4	409.3	5.37E+12	800.3	433.6	366.7	1.34E+13	592.2	165.7	426.5
70° to 80°	1.15E+13	368.0	130.7	237.4	7.93E+12	384.1	168.6	215.5	3.56E+12	332.3	46.1	286.1
80° to 90°	3.86E+12	254.0	23.0	231.0	3.52E+12	256.8	25.6	231.2	3.37E+11	225.1	-4.0	229.1

NCAR-CCSM3.0_Set4

	2070 - 2099 (A1B, Run5) E' = 0.981501												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1077.2	1077.2	0	3.60E+14	1175.4	1305.6	-130.3	1.49E+14	840.5	526.2	314.3	59.8	59.8	0.0	51.6	64.5	-12.9	79.3	48.2	31.1
-90° to -80°	3.86E+12	105.7	0.4	105.3	3.58E+03	77.3	-2.7	80.0	3.86E+12	105.7	0.4	105.3	11.6	1.7	9.9	-17.2	-6.7	-10.4	11.6	1.7	9.9
-80° to -70°	1.15E+13	287.2	19.1	268.1	3.16E+12	496.5	65.7	430.7	8.32E+12	207.7	1.4	206.3	38.4	-0.9	39.3	48.3	-4.4	52.6	34.6	0.4	34.3
-70° to -60°	1.88E+13	771.3	118.5	652.8	1.67E+13	810.7	128.8	681.9	2.01E+12	443.2	32.6	410.6	94.5	-12.8	107.3	96.5	-14.4	110.9	77.6	0.3	77.3
-60° to -50°	2.55E+13	1114.1	333.2	780.9	2.52E+13	1111.8	330.5	781.3	2.22E+11	1377.5	642.8	734.7	80.8	-17.6	98.3	81.0	-18.1	99.1	54.0	39.1	15.0
-50° to -40°	3.14E+13	1059.2	788.8	270.4	3.04E+13	1062.7	793.9	268.8	9.45E+11	945.2	623.3	321.9	23.7	67.5	-43.7	24.8	68.5	-43.6	-12.1	34.4	-46.5
-40° to -30°	3.64E+13	817.2	1354.4	-537.1	3.22E+13	844.3	1443.1	-598.8	4.17E+12	607.8	668.6	-60.8	6.2	68.0	-61.9	4.1	72.1	-68.0	21.8	36.6	-14.8
-30° to -20°	4.02E+13	739.9	1581.6	-841.7	3.09E+13	733.8	1863.1	-1129.3	9.30E+12	760.0	644.6	115.5	6.8	64.6	-57.8	-6.1	72.5	-78.6	49.4	38.2	11.3
-20° to -10°	4.29E+13	1177.5	1759.9	-582.4	3.34E+13	1169.1	2019.7	-850.7	9.47E+12	1207.2	843.3	363.8	-15.9	106.7	-122.6	-43.1	122.5	-165.7	80.2	50.7	29.5
-10° to 0°	4.42E+13	2124.7	1407.3	717.4	3.40E+13	2140.1	1491.4	648.7	1.03E+13	2073.6	1128.6	945.1	213.2	63.1	150.1	231.7	60.1	171.7	151.7	72.9	78.8
0° to 10°	4.42E+13	2020.5	1383.4	637.1	3.43E+13	2120.0	1482.6	637.4	9.93E+12	1676.7	1040.4	636.2	138.0	80.9	57.1	136.4	80.6	55.7	143.7	81.8	61.9
10° to 20°	4.29E+13	1040.6	1606.3	-565.6	3.14E+13	1111.0	1938.1	-827.1	1.15E+13	848.2	698.5	149.7	20.0	99.9	-80.0	-8.3	111.7	-120.0	97.2	67.6	29.6
20° to 30°	4.02E+13	645.1	1328.3	-683.2	2.50E+13	674.5	1851.3	-1176.8	1.52E+13	596.9	471.3	125.6	7.9	57.1	-49.2	-26.5	64.1	-90.6	64.2	45.7	18.5
30° to 40°	3.64E+13	850.6	1102.7	-252.0	2.07E+13	1017.5	1573.3	-555.8	1.57E+13	630.1	480.8	149.4	37.1	63.8	-26.6	20.4	73.6	-53.2	59.3	50.7	8.5
40° to 50°	3.14E+13	915.5	601.2	314.3	1.51E+13	1210.5	761.5	449.0	1.63E+13	642.0	452.5	189.5	47.6	45.1	2.5	50.0	37.7	12.2	45.5	52.0	-6.5
50° to 60°	2.55E+13	941.3	464.1	477.2	1.07E+13	1128.5	553.0	575.5	1.48E+13	806.1	399.9	406.1	82.3	28.8	53.6	73.3	-11.3	84.6	88.8	57.7	31.1
60° to 70°	1.88E+13	766.2	287.1	479.1	5.37E+12	910.2	487.2	423.1	1.34E+13	708.3	206.8	501.6	114.4	44.7	69.7	110.0	53.6	56.4	116.2	41.1	75.1
70° to 80°	1.15E+13	483.6	201.3	282.3	7.93E+12	503.2	261.3	241.9	3.56E+12	440.0	67.5	372.4	115.5	70.6	44.9	119.1	92.7	26.4	107.7	21.4	86.3
80° to 90°	3.86E+12	369.4	100.9	268.5	3.52E+12	371.5	109.0	262.5	3.37E+11	347.1	16.8	330.3	115.4	77.9	37.4	114.7	83.4	31.3	122.0	20.8	101.2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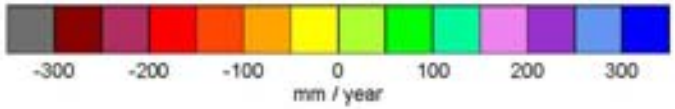
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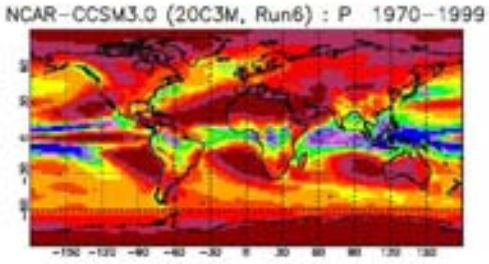
mm / year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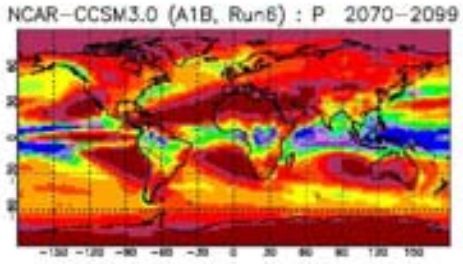
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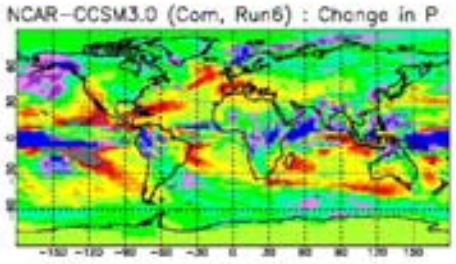
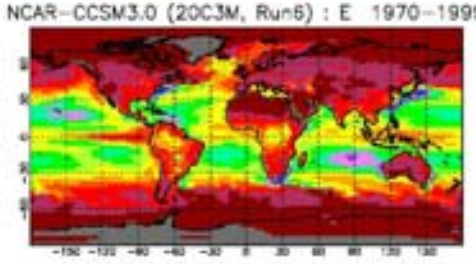
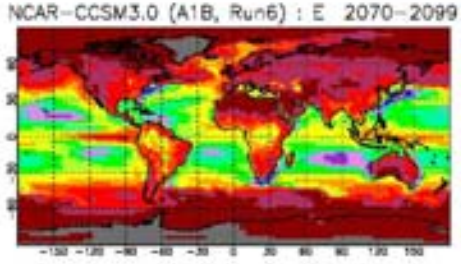

NCAR-CCSM3.0 (Com, Run6) : Change in P


NCAR-CCSM3.0 (20C3M, Run6) : E 1970-1999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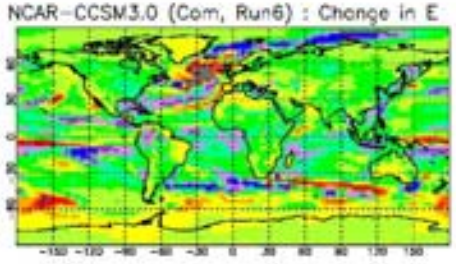
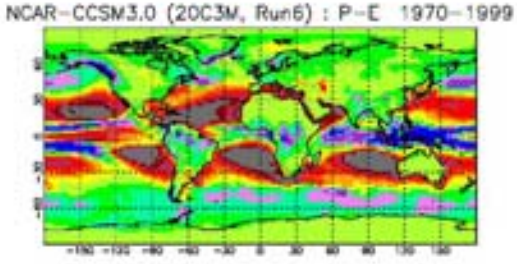

NCAR-CCSM3.0 (Com, Run6) : Change in E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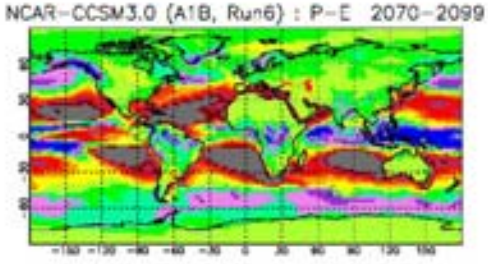
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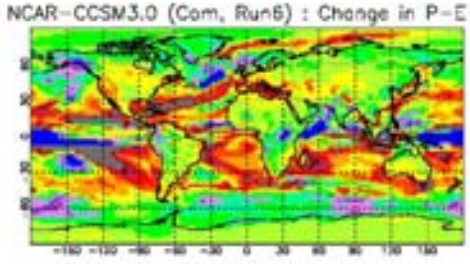
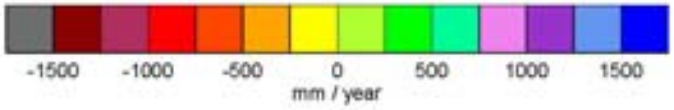

NCAR-CCSM3.0 (Com, Run6) : Change in P-E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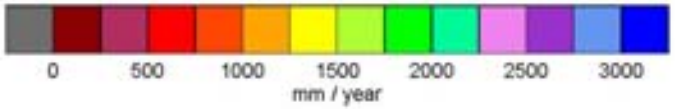
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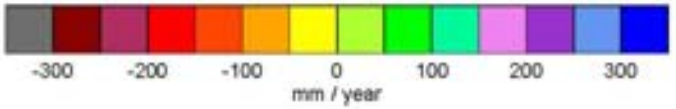
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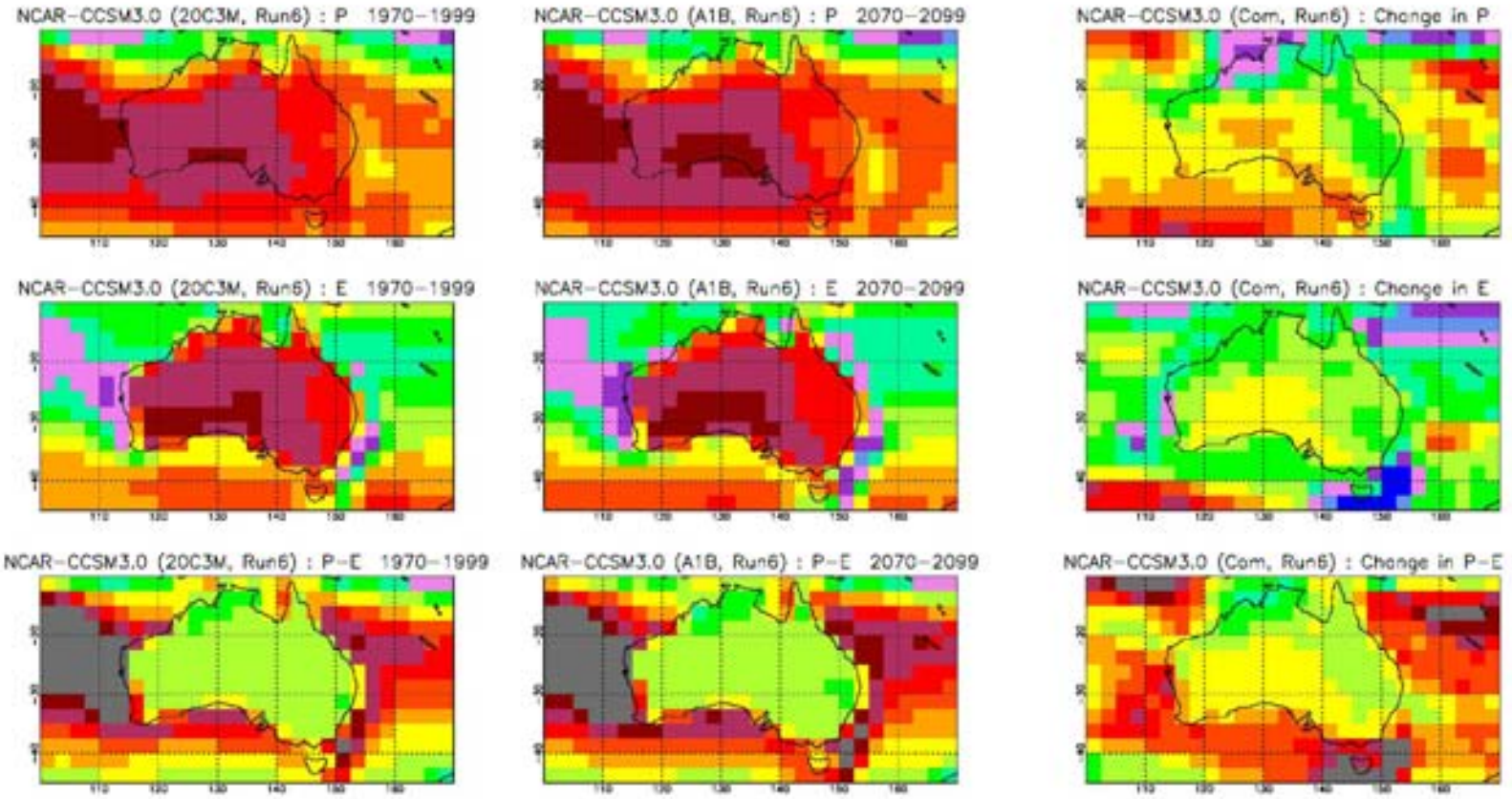
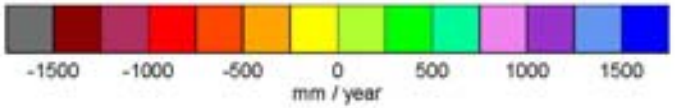

NCAR-CCSM3.0 (20C3M, Run6) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run6) : P 2070-2099
NCAR-CCSM3.0 (Com, Run6) : Change in P
NCAR-CCSM3.0 (20C3M, Run6) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run6) : E 2070-2099
NCAR-CCSM3.0 (Com, Run6) : Change in E
NCAR-CCSM3.0 (20C3M, Run6) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run6) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run6) : Change in P-E


-1500
-1000
-500
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500
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1500
mm / year

NCAR-CCSM3.0_Set5

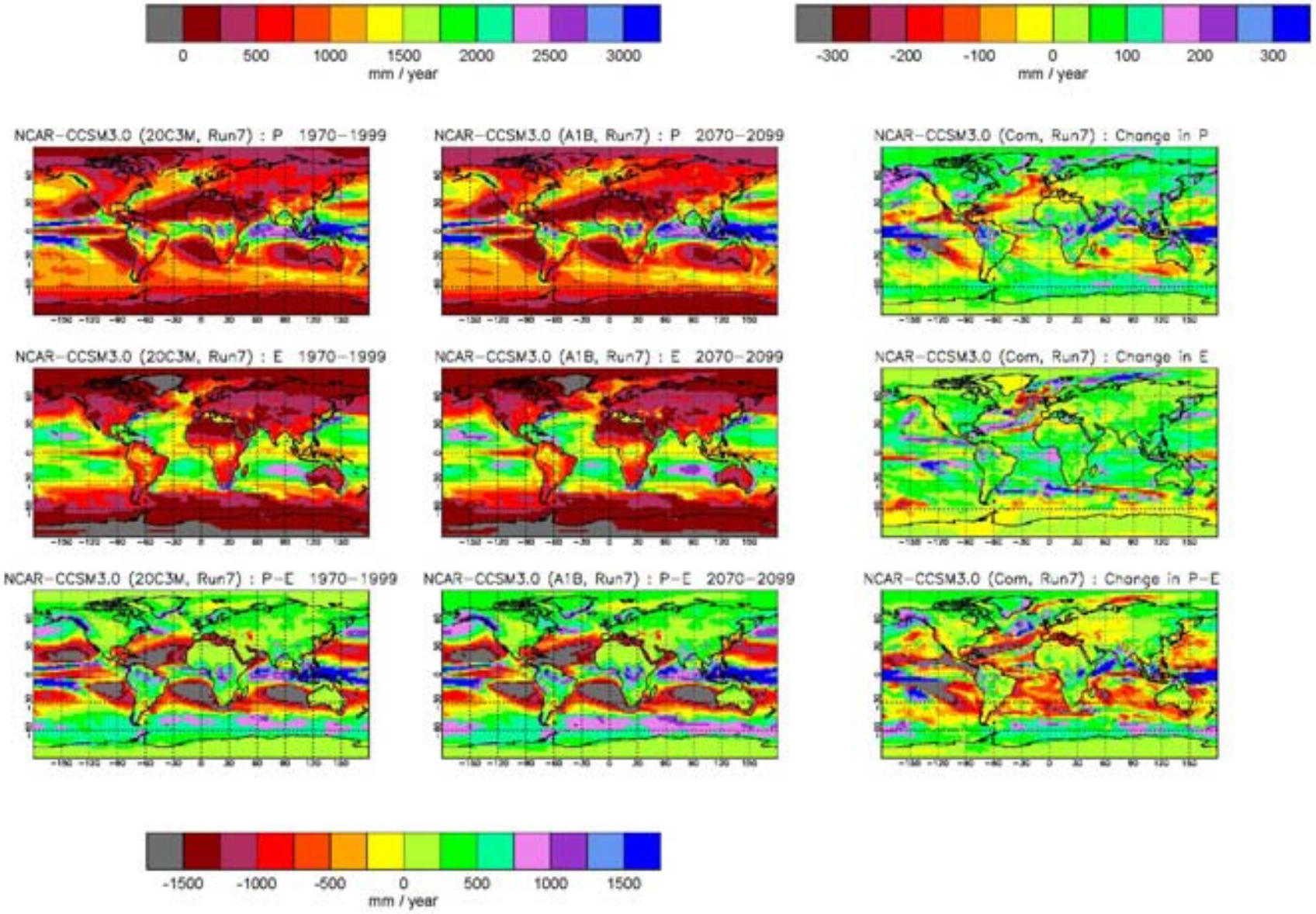
Region	1970 - 1999 (20C3M, Run6)				2070 - 2099 (A1B, Run6)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	764.8	479.7	285.1	1.49E+14	841.0	527.3	313.7	76.2	47.6	28.6
Australia	7.88E+12	580.5	529.6	50.8	7.88E+12	605.3	555.9	49.4	24.9	26.3	-1.4
New Zealand	2.47E+11	1256.0	882.7	373.3	2.47E+11	1280.2	930.9	349.3	24.2	48.1	-24.0
South America	1.80E+13	1276.6	853.6	423.0	1.80E+13	1353.1	910.9	442.1	76.5	57.3	19.2
North America	2.42E+13	697.4	364.6	332.8	2.42E+13	775.9	419.9	356.0	78.5	55.3	23.2
Europe	6.92E+12	737.9	469.3	268.6	6.92E+12	733.4	492.3	241.1	-4.5	23.0	-27.5
Africa	3.00E+13	870.0	617.7	252.3	3.00E+13	967.3	674.0	293.2	97.3	56.3	40.9
Middle East	4.92E+12	216.1	304.2	-88.1	4.92E+12	276.4	343.0	-66.6	60.3	38.8	21.5
Asia	3.82E+13	652.8	381.4	271.4	3.82E+13	746.6	438.3	308.3	93.9	57.0	36.9
Southeast Asia	4.07E+12	1992.7	1071.6	921.1	4.07E+12	2121.4	1137.4	984.0	128.7	65.8	62.9
Antarctica	1.42E+13	182.6	4.7	178.0	1.42E+13	217.7	5.3	212.4	35.1	0.7	34.4

NCAR-CCSM3.0_Set5

	1970 - 1999 (20C3M, Run6) E' = 0.983812											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1018.4	1018.4	0	3.60E+14	1123.5	1241.7	-118.2	1.49E+14	764.8	479.7	285.1
-90° to -80°	3.86E+12	92.8	-1.2	93.9	3.58E+03	85.9	5.9	80.0	3.86E+12	92.8	-1.2	93.9
-80° to -70°	1.15E+13	252.2	20.6	231.6	3.16E+12	450.4	72.6	377.9	8.32E+12	176.9	0.9	176.0
-70° to -60°	1.88E+13	680.7	132.2	548.5	1.67E+13	717.0	144.2	572.7	2.01E+12	378.9	31.7	347.3
-60° to -50°	2.55E+13	1028.5	352.6	675.9	2.52E+13	1025.8	350.4	675.3	2.22E+11	1344.3	601.9	742.4
-50° to -40°	3.14E+13	1038.3	715.9	322.4	3.04E+13	1040.5	719.9	320.6	9.45E+11	966.6	586.7	379.8
-40° to -30°	3.64E+13	815.1	1288.4	-473.3	3.22E+13	845.4	1373.5	-528.1	4.17E+12	580.9	630.8	-49.8
-30° to -20°	4.02E+13	729.9	1520.1	-790.2	3.09E+13	731.4	1793.1	-1061.7	9.30E+12	725.1	611.8	113.3
-20° to -10°	4.29E+13	1191.6	1656.1	-464.5	3.34E+13	1208.1	1899.4	-691.3	9.47E+12	1133.4	798.0	335.4
-10° to 0°	4.42E+13	1926.0	1344.0	582.1	3.40E+13	1922.0	1428.7	493.2	1.03E+13	1939.5	1063.1	876.4
0° to 10°	4.42E+13	1884.7	1303.9	580.8	3.43E+13	1985.7	1403.8	581.9	9.93E+12	1535.7	958.8	576.9
10° to 20°	4.29E+13	1007.6	1513.5	-505.9	3.14E+13	1103.9	1835.6	-731.7	1.15E+13	744.2	632.6	111.5
20° to 30°	4.02E+13	635.1	1267.6	-632.5	2.50E+13	701.9	1781.1	-1079.1	1.52E+13	525.6	426.1	99.5
30° to 40°	3.64E+13	827.5	1040.8	-213.2	2.07E+13	1005.8	1498.0	-492.1	1.57E+13	591.9	436.6	155.4
40° to 50°	3.14E+13	866.9	553.4	313.5	1.51E+13	1153.1	719.4	433.7	1.63E+13	601.5	399.5	202.0
50° to 60°	2.55E+13	854.7	437.0	417.7	1.07E+13	1051.7	572.1	479.6	1.48E+13	712.4	339.4	373.0
60° to 70°	1.88E+13	647.2	243.8	403.4	5.37E+12	799.4	434.0	365.4	1.34E+13	586.0	167.4	418.6
70° to 80°	1.15E+13	373.5	130.8	242.7	7.93E+12	389.0	168.7	220.4	3.56E+12	339.0	46.5	292.5
80° to 90°	3.86E+12	262.9	22.7	240.3	3.52E+12	264.7	25.3	239.3	3.37E+11	244.6	-5.2	249.8

NCAR-CCSM3.0_Set5

	2070 - 2099 (A1B, Run6) E' = 0.9814												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1079.1	1079.1	0	3.60E+14	1177.7	1307.7	-130.0	1.49E+14	841.0	527.3	313.7	60.6	60.6	0.0	54.2	66.0	-11.8	76.2	47.6	28.6
-90° to -80°	3.86E+12	111.4	0.6	110.8	3.58E+03	128.8	8.8	120.0	3.86E+12	111.4	0.6	110.8	18.6	1.8	16.8	42.9	2.9	40.0	18.6	1.8	16.8
-80° to -70°	1.15E+13	293.0	18.3	274.7	3.16E+12	503.8	64.8	439.1	8.32E+12	212.9	0.7	212.2	40.8	-2.3	43.1	53.4	-7.8	61.2	36.0	-0.2	36.2
-70° to -60°	1.88E+13	776.5	121.9	654.7	1.67E+13	816.8	132.5	684.3	2.01E+12	441.8	33.6	408.2	95.8	-10.3	106.1	99.8	-11.8	111.6	62.8	1.9	60.9
-60° to -50°	2.55E+13	1114.0	333.8	780.2	2.52E+13	1111.6	331.1	780.4	2.22E+11	1394.9	641.1	753.8	85.5	-18.8	104.3	85.8	-19.3	105.1	50.6	39.2	11.4
-50° to -40°	3.14E+13	1059.1	789.1	270.0	3.04E+13	1062.7	794.3	268.4	9.45E+11	941.1	621.6	319.5	20.7	73.1	-52.4	22.2	74.3	-52.2	-25.5	34.8	-60.3
-40° to -30°	3.64E+13	815.3	1354.9	-539.7	3.22E+13	843.0	1444.6	-601.6	4.17E+12	601.2	662.3	-61.1	0.2	66.5	-66.3	-2.4	71.1	-73.4	20.3	31.6	-11.3
-30° to -20°	4.02E+13	732.1	1586.1	-854.0	3.09E+13	723.0	1868.6	-1145.6	9.30E+12	762.7	646.0	116.6	2.2	66.0	-63.8	-8.4	75.5	-83.9	37.6	34.2	3.3
-20° to -10°	4.29E+13	1165.3	1769.3	-604.0	3.34E+13	1151.5	2031.8	-880.3	9.47E+12	1213.7	843.6	370.1	-26.3	113.2	-139.5	-56.5	132.4	-188.9	80.3	45.6	34.7
-10° to 0°	4.42E+13	2141.2	1411.9	729.3	3.40E+13	2160.0	1496.2	663.9	1.03E+13	2078.9	1132.9	945.9	215.2	68.0	147.2	238.1	67.4	170.6	139.4	69.8	69.6
0° to 10°	4.42E+13	2028.2	1385.7	642.5	3.43E+13	2127.5	1485.1	642.5	9.93E+12	1685.0	1042.6	642.4	143.5	81.9	61.7	141.9	81.3	60.6	149.3	83.8	65.4
10° to 20°	4.29E+13	1044.9	1600.7	-555.8	3.14E+13	1119.1	1930.8	-811.8	1.15E+13	842.1	697.7	144.4	37.3	87.2	-49.9	15.1	95.3	-80.1	98.0	65.1	32.9
20° to 30°	4.02E+13	644.1	1332.1	-688.0	2.50E+13	679.2	1857.1	-1177.9	1.52E+13	586.6	471.8	114.8	9.0	64.5	-55.5	-22.7	76.0	-98.7	61.0	45.7	15.3
30° to 40°	3.64E+13	857.5	1105.5	-248.0	2.07E+13	1028.8	1576.3	-547.6	1.57E+13	631.1	483.2	147.9	29.9	64.7	-34.8	22.9	78.4	-55.5	39.1	46.6	-7.5
40° to 50°	3.14E+13	916.1	593.4	322.7	1.51E+13	1214.1	745.8	468.3	1.63E+13	639.8	452.2	187.7	49.2	40.1	9.2	60.9	26.4	34.5	38.4	52.7	-14.3
50° to 60°	2.55E+13	944.6	466.7	478.0	1.07E+13	1136.3	554.0	582.3	1.48E+13	806.2	403.6	402.6	89.9	29.6	60.3	84.6	-18.1	102.7	93.8	64.1	29.6
60° to 70°	1.88E+13	771.7	288.1	483.6	5.37E+12	915.7	483.8	431.8	1.34E+13	714.0	209.5	504.4	124.6	44.3	80.2	116.2	49.8	66.4	127.9	42.1	85.8
70° to 80°	1.15E+13	481.5	204.3	277.3	7.93E+12	501.6	266.0	235.6	3.56E+12	436.8	66.8	370.0	108.0	73.5	34.6	112.6	97.3	15.3	97.8	20.3	77.5
80° to 90°	3.86E+12	372.2	112.0	260.2	3.52E+12	374.0	121.1	252.9	3.37E+11	353.7	17.4	336.3	109.3	89.3	19.9	109.3	95.7	13.6	109.1	22.6	86.5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mm / year
-300 -200 -100 0 100 200 300
mm / year
NCAR-CCSM3.0 (20C3M, Run7) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : P 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in P
NCAR-CCSM3.0 (20C3M, Run7) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : E 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in E
NCAR-CCSM3.0 (20C3M, Run7) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in P-E
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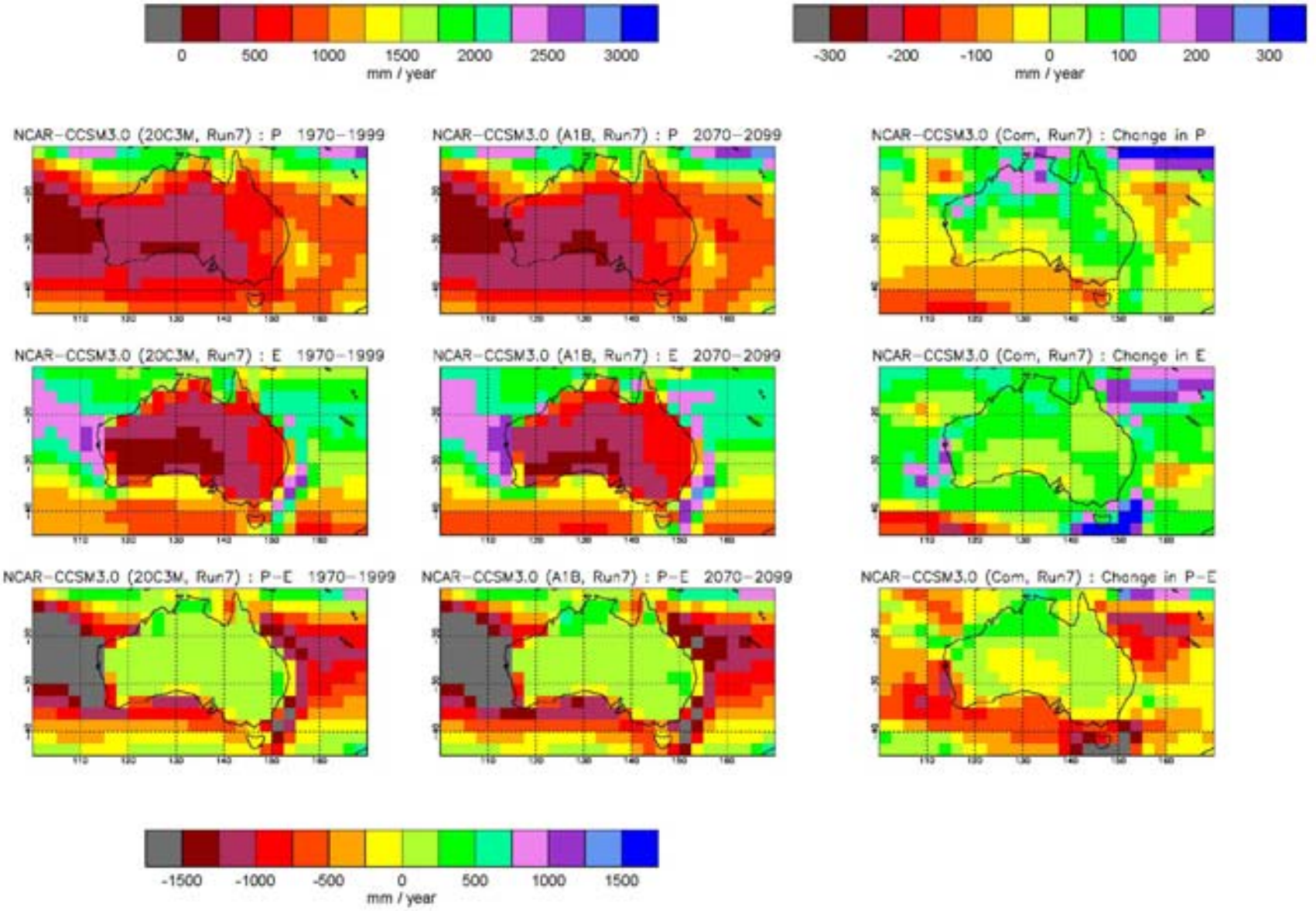
mm / year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mm / year
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mm / year
NCAR-CCSM3.0 (20C3M, Run7) : P 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : P 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in P
NCAR-CCSM3.0 (20C3M, Run7) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : E 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in E
NCAR-CCSM3.0 (20C3M, Run7) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run7) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run7) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set6

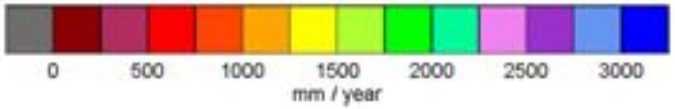
Region	1970 - 1999 (20C3M, Run7)				2070 - 2099 (A1B, Run7)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	760.6	478.7	281.9	1.49E+14	840.9	526.2	314.7	80.3	47.5	32.8
Australia	7.88E+12	564.2	517.0	47.2	7.88E+12	626.4	571.1	55.3	62.2	54.1	8.1
New Zealand	2.47E+11	1240.8	887.6	353.2	2.47E+11	1273.5	929.3	344.2	32.7	41.6	-9.0
South America	1.80E+13	1267.8	850.8	417.0	1.80E+13	1347.5	908.8	438.7	79.7	58.0	21.7
North America	2.42E+13	686.7	365.4	321.3	2.42E+13	775.3	416.2	359.0	88.6	50.9	37.7
Europe	6.92E+12	730.6	469.2	261.4	6.92E+12	723.9	490.9	233.0	-6.6	21.7	-28.3
Africa	3.00E+13	863.9	614.2	249.7	3.00E+13	959.5	670.5	289.0	95.6	56.3	39.3
Middle East	4.92E+12	219.1	304.4	-85.3	4.92E+12	289.9	346.0	-56.2	70.8	41.7	29.1
Asia	3.82E+13	657.2	383.6	273.6	3.82E+13	751.0	437.0	313.9	93.7	53.4	40.3
Southeast Asia	4.07E+12	1989.7	1072.7	917.1	4.07E+12	2131.5	1137.2	994.4	141.8	64.5	77.3
Antarctica	1.42E+13	182.2	4.4	177.8	1.42E+13	215.9	5.5	210.4	33.7	1.1	32.6

NCAR-CCSM3.0_Set6

	1970 - 1999 (20C3M, Run7) E' = 0.983704											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1017.1	1017.1	0	3.60E+14	1123.4	1240.2	-116.8	1.49E+14	760.6	478.7	281.9
-90° to -80°	3.86E+12	97.5	-1.4	99.0	3.58E+03	120.2	6.2	114.1	3.86E+12	97.5	-1.4	99.0
-80° to -70°	1.15E+13	253.4	19.5	233.9	3.16E+12	452.5	69.6	382.9	8.32E+12	177.7	0.4	177.3
-70° to -60°	1.88E+13	666.1	131.2	534.9	1.67E+13	702.5	143.1	559.4	2.01E+12	362.9	32.1	330.8
-60° to -50°	2.55E+13	1023.2	346.1	677.1	2.52E+13	1020.5	343.9	676.6	2.22E+11	1322.8	594.3	728.5
-50° to -40°	3.14E+13	1046.9	711.8	335.2	3.04E+13	1049.6	715.7	333.9	9.45E+11	962.4	586.3	376.2
-40° to -30°	3.64E+13	810.4	1287.2	-476.8	3.22E+13	841.1	1372.7	-531.6	4.17E+12	573.4	626.4	-53.0
-30° to -20°	4.02E+13	721.4	1518.6	-797.2	3.09E+13	725.0	1793.6	-1068.7	9.30E+12	709.4	603.1	106.3
-20° to -10°	4.29E+13	1180.2	1654.7	-474.5	3.34E+13	1197.3	1898.5	-701.2	9.47E+12	1119.7	794.6	325.1
-10° to 0°	4.42E+13	1924.2	1345.1	579.2	3.40E+13	1924.5	1431.2	493.3	1.03E+13	1923.2	1059.7	863.6
0° to 10°	4.42E+13	1895.6	1299.0	596.6	3.43E+13	2001.8	1399.0	602.8	9.93E+12	1528.7	953.4	575.3
10° to 20°	4.29E+13	1016.4	1509.8	-493.4	3.14E+13	1112.6	1830.4	-717.8	1.15E+13	753.3	633.2	120.1
20° to 30°	4.02E+13	628.5	1272.0	-643.5	2.50E+13	692.2	1788.7	-1096.5	1.52E+13	524.1	425.3	98.8
30° to 40°	3.64E+13	819.5	1039.3	-219.8	2.07E+13	1006.0	1497.7	-491.7	1.57E+13	573.0	433.6	139.4
40° to 50°	3.14E+13	863.6	547.3	316.3	1.51E+13	1150.9	701.3	449.6	1.63E+13	597.2	404.4	192.8
50° to 60°	2.55E+13	856.8	436.7	420.0	1.07E+13	1047.7	566.4	481.4	1.48E+13	718.8	343.1	375.7
60° to 70°	1.88E+13	659.5	249.2	410.3	5.37E+12	819.9	454.4	365.5	1.34E+13	595.1	166.8	428.3
70° to 80°	1.15E+13	376.1	140.0	236.1	7.93E+12	393.7	181.8	211.9	3.56E+12	337.0	47.1	289.9
80° to 90°	3.86E+12	261.8	24.5	237.3	3.52E+12	263.8	27.4	236.4	3.37E+11	240.9	-5.6	246.6

NCAR-CCSM3.0_Set6

	2070 - 2099 (A1B, Run7) E' = 0.981392												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1077.0	1077.0	0	3.60E+14	1174.9	1305.3	-130.4	1.49E+14	840.9	526.2	314.7	59.9	59.9	0.0	51.4	65.0	-13.6	80.3	47.5	32.8
-90° to -80°	3.86E+12	112.6	0.1	112.5	3.58E+03	128.8	10.4	118.4	3.86E+12	112.6	0.1	112.5	15.1	1.6	13.5	8.6	4.3	4.3	15.1	1.6	13.5
-80° to -70°	1.15E+13	290.2	18.8	271.4	3.16E+12	504.3	64.2	440.1	8.32E+12	208.9	1.6	207.3	36.8	-0.6	37.5	51.8	-5.4	57.2	31.1	1.2	29.9
-70° to -60°	1.88E+13	765.8	120.2	645.6	1.67E+13	804.5	130.8	673.8	2.01E+12	443.3	32.0	411.3	99.7	-11.0	110.7	102.1	-12.3	114.4	80.4	0.0	80.4
-60° to -50°	2.55E+13	1113.0	333.4	779.6	2.52E+13	1110.6	330.7	779.9	2.22E+11	1389.8	642.9	747.0	89.9	-12.7	102.5	90.1	-13.2	103.3	67.1	48.6	18.5
-50° to -40°	3.14E+13	1064.3	784.9	279.4	3.04E+13	1068.0	790.0	278.0	9.45E+11	945.4	620.7	324.7	17.4	73.2	-55.8	18.5	74.4	-55.9	-17.1	34.4	-51.5
-40° to -30°	3.64E+13	810.5	1352.4	-541.8	3.22E+13	836.9	1441.1	-604.1	4.17E+12	606.6	667.1	-60.5	0.1	65.2	-65.0	-4.1	68.4	-72.5	33.1	40.6	-7.5
-30° to -20°	4.02E+13	737.2	1588.8	-851.7	3.09E+13	726.2	1870.1	-1143.9	9.30E+12	773.5	652.8	120.7	15.8	70.3	-54.5	1.3	76.5	-75.2	64.1	49.7	14.4
-20° to -10°	4.29E+13	1181.2	1761.5	-580.3	3.34E+13	1170.7	2020.9	-850.3	9.47E+12	1218.3	846.4	371.9	1.0	106.8	-105.8	-26.7	122.4	-149.1	98.6	51.8	46.9
-10° to 0°	4.42E+13	2118.4	1409.8	708.6	3.40E+13	2131.3	1495.0	636.3	1.03E+13	2075.7	1127.6	948.2	194.2	64.8	129.4	206.8	63.8	143.0	152.5	67.9	84.6
0° to 10°	4.42E+13	2028.8	1379.1	649.7	3.43E+13	2132.4	1477.4	655.1	9.93E+12	1670.8	1039.7	631.1	133.2	80.1	53.1	130.6	78.3	52.3	142.1	86.2	55.8
10° to 20°	4.29E+13	1038.8	1603.5	-564.7	3.14E+13	1113.0	1936.3	-823.3	1.15E+13	835.9	693.3	142.6	22.4	93.6	-71.2	0.4	105.9	-105.5	82.6	60.1	22.5
20° to 30°	4.02E+13	645.7	1327.9	-682.1	2.50E+13	677.3	1850.7	-1173.4	1.52E+13	593.9	471.0	122.9	17.2	55.9	-38.6	-14.9	62.1	-76.9	69.8	45.7	24.2
30° to 40°	3.64E+13	853.7	1103.5	-249.8	2.07E+13	1018.6	1572.6	-554.0	1.57E+13	635.9	483.6	152.3	34.3	64.2	-30.0	12.6	75.0	-62.4	62.9	50.0	12.8
40° to 50°	3.14E+13	912.1	602.1	310.1	1.51E+13	1204.1	764.3	439.8	1.63E+13	641.5	451.7	189.8	48.6	54.8	-6.3	53.1	63.0	-9.8	44.3	47.2	-2.9
50° to 60°	2.55E+13	935.8	459.1	476.7	1.07E+13	1128.3	545.7	582.6	1.48E+13	796.7	396.6	400.2	79.0	22.4	56.7	80.6	-20.7	101.2	77.9	53.5	24.4
60° to 70°	1.88E+13	773.0	286.8	486.1	5.37E+12	917.3	483.1	434.2	1.34E+13	715.0	208.0	507.0	113.4	37.6	75.8	97.4	28.7	68.7	119.9	41.2	78.7
70° to 80°	1.15E+13	480.0	201.3	278.6	7.93E+12	499.7	262.1	237.6	3.56E+12	436.1	66.2	369.9	103.9	61.3	42.5	106.0	80.3	25.7	99.0	19.1	79.9
80° to 90°	3.86E+12	366.3	91.7	274.6	3.52E+12	367.5	98.8	268.7	3.37E+11	353.6	16.8	336.8	104.5	67.1	37.3	103.7	71.4	32.3	112.7	22.5	90.2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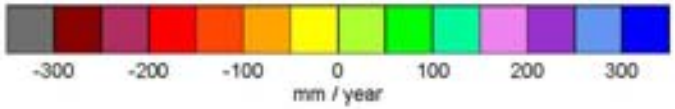
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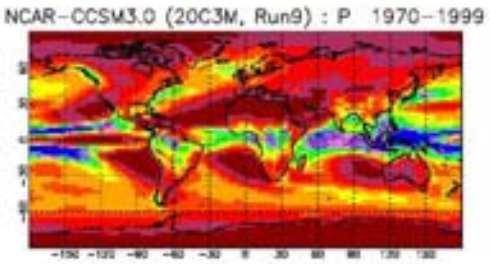
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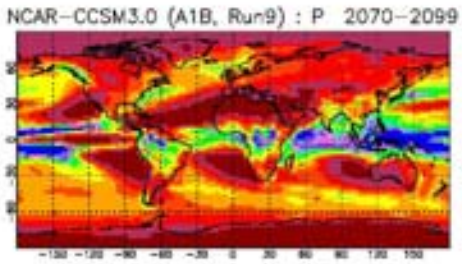
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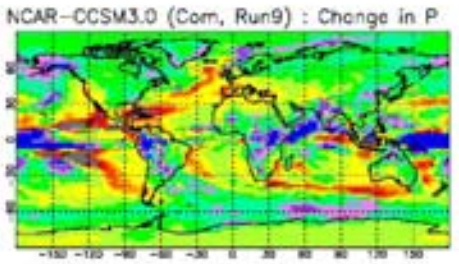
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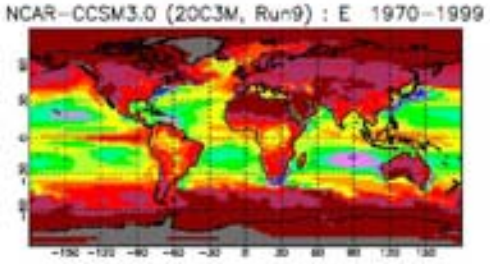
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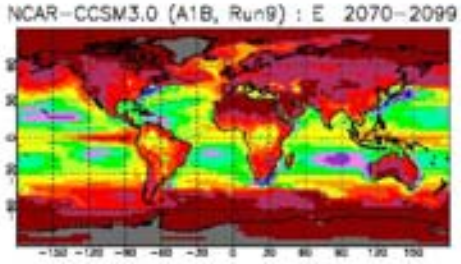
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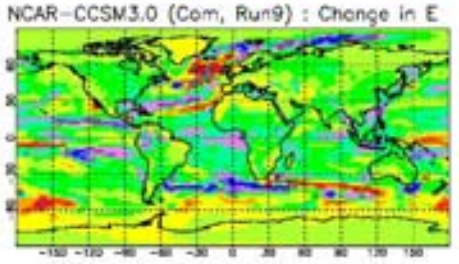
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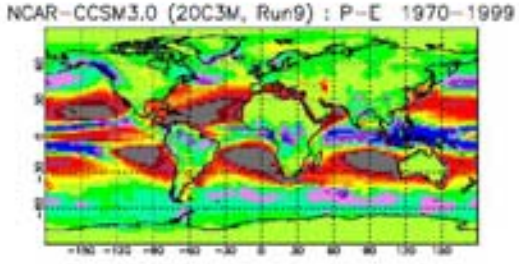
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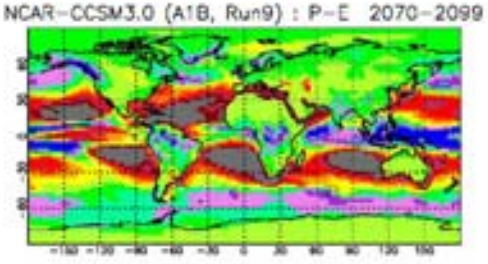
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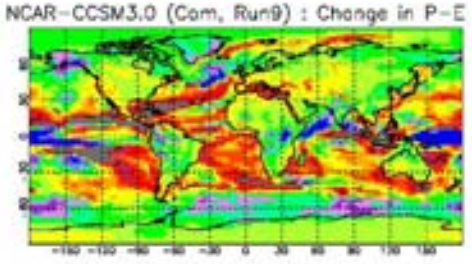
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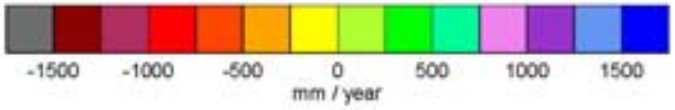
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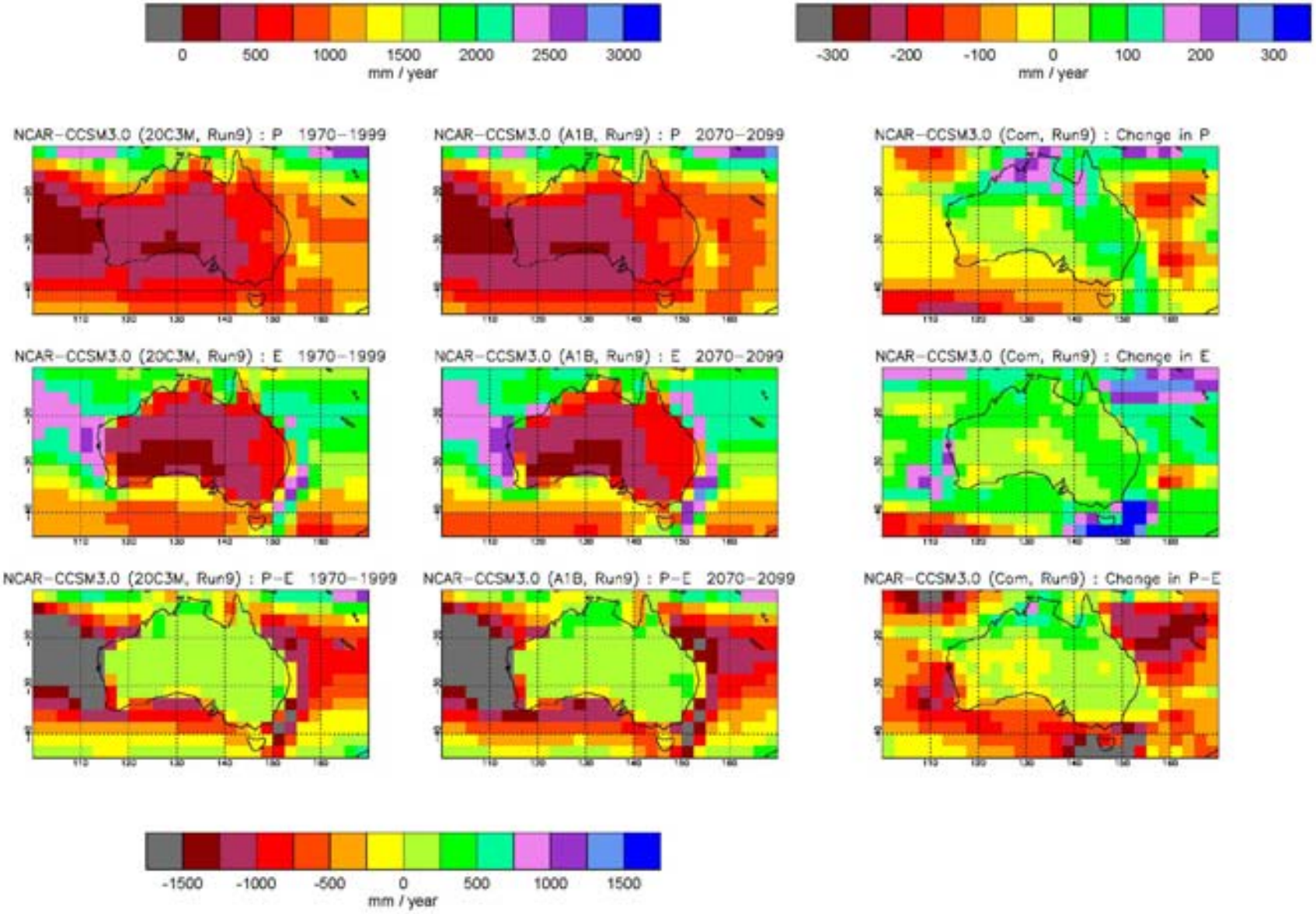
mm / year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mm / year
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mm / year
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NCAR-CCSM3.0 (A1B, Run9) : P 2070-2099
NCAR-CCSM3.0 (Com, Run9) : Change in P
NCAR-CCSM3.0 (20C3M, Run9) : E 1970-1999
NCAR-CCSM3.0 (A1B, Run9) : E 2070-2099
NCAR-CCSM3.0 (Com, Run9) : Change in E
NCAR-CCSM3.0 (20C3M, Run9) : P-E 1970-1999
NCAR-CCSM3.0 (A1B, Run9) : P-E 2070-2099
NCAR-CCSM3.0 (Com, Run9) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-CCSM3.0_Set7

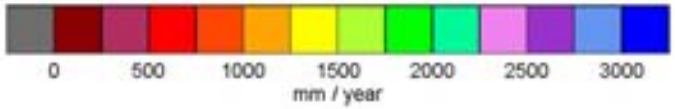
Region	1970 - 1999 (20C3M, Run9)				2070 - 2099 (A1B, Run9)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	759.8	479.0	280.8	1.49E+14	843.4	527.6	315.7	83.6	48.7	34.9
Australia	7.88E+12	565.1	521.6	43.5	7.88E+12	625.1	567.4	57.8	60.0	45.7	14.3
New Zealand	2.47E+11	1263.0	879.6	383.4	2.47E+11	1298.0	931.9	366.2	35.0	52.2	-17.2
South America	1.80E+13	1258.5	847.9	410.7	1.80E+13	1362.8	912.8	450.0	104.3	64.9	39.4
North America	2.42E+13	688.7	363.2	325.4	2.42E+13	773.8	414.5	359.3	85.1	51.3	33.8
Europe	6.92E+12	724.5	474.0	250.6	6.92E+12	726.4	493.6	232.7	1.9	19.7	-17.8
Africa	3.00E+13	865.8	615.6	250.2	3.00E+13	967.9	674.3	293.7	102.1	58.6	43.5
Middle East	4.92E+12	233.0	311.1	-78.1	4.92E+12	287.3	349.6	-62.3	54.4	38.5	15.8
Asia	3.82E+13	653.7	384.6	269.2	3.82E+13	749.1	439.0	310.1	95.4	54.4	41.0
Southeast Asia	4.07E+12	2001.9	1066.0	935.9	4.07E+12	2111.4	1135.4	976.0	109.5	69.4	40.1
Antarctica	1.42E+13	179.9	4.4	175.5	1.42E+13	217.7	5.4	212.3	37.8	1.0	36.8

NCAR-CCSM3.0_Set7

	1970 - 1999 (20C3M, Run9) E' = 0.983907											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1015.8	1015.8	0	3.60E+14	1121.8	1238.2	-116.4	1.49E+14	759.8	479.0	280.8
-90° to -80°	3.86E+12	93.3	-1.1	94.5	3.58E+03	94.5	6.2	88.3	3.86E+12	93.3	-1.1	94.5
-80° to -70°	1.15E+13	250.3	19.0	231.3	3.16E+12	445.2	68.2	377.0	8.32E+12	176.2	0.3	175.9
-70° to -60°	1.88E+13	666.0	126.1	539.9	1.67E+13	702.7	137.4	565.3	2.01E+12	361.0	32.1	328.9
-60° to -50°	2.55E+13	1017.8	346.5	671.3	2.52E+13	1015.3	344.3	671.0	2.22E+11	1300.0	593.6	706.4
-50° to -40°	3.14E+13	1043.1	708.3	334.8	3.04E+13	1045.8	712.3	333.5	9.45E+11	956.7	578.4	378.4
-40° to -30°	3.64E+13	806.1	1282.5	-476.5	3.22E+13	836.6	1367.8	-531.2	4.17E+12	570.0	623.6	-53.6
-30° to -20°	4.02E+13	718.8	1521.0	-802.2	3.09E+13	723.1	1796.1	-1073.0	9.30E+12	704.6	605.3	99.3
-20° to -10°	4.29E+13	1186.1	1654.2	-468.1	3.34E+13	1203.4	1897.9	-694.5	9.47E+12	1125.2	795.1	330.1
-10° to 0°	4.42E+13	1915.0	1340.8	574.2	3.40E+13	1913.0	1426.3	486.8	1.03E+13	1921.5	1057.5	864.0
0° to 10°	4.42E+13	1886.2	1296.3	589.9	3.43E+13	1990.9	1396.4	594.5	9.93E+12	1524.6	950.7	573.9
10° to 20°	4.29E+13	1024.3	1503.8	-479.5	3.14E+13	1122.8	1822.2	-699.3	1.15E+13	754.6	633.0	121.6
20° to 30°	4.02E+13	634.4	1270.9	-636.6	2.50E+13	699.2	1787.1	-1088.0	1.52E+13	528.2	425.0	103.2
30° to 40°	3.64E+13	820.8	1042.4	-221.5	2.07E+13	999.8	1500.4	-500.6	1.57E+13	584.4	437.1	147.2
40° to 50°	3.14E+13	861.7	552.6	309.1	1.51E+13	1152.6	715.5	437.1	1.63E+13	592.0	401.6	190.4
50° to 60°	2.55E+13	849.7	431.7	418.0	1.07E+13	1041.1	552.7	488.4	1.48E+13	711.3	344.2	367.1
60° to 70°	1.88E+13	656.4	251.5	404.9	5.37E+12	825.5	450.6	374.9	1.34E+13	588.5	171.6	416.9
70° to 80°	1.15E+13	385.8	142.0	243.7	7.93E+12	405.0	183.8	221.3	3.56E+12	342.8	49.1	293.7
80° to 90°	3.86E+12	268.1	25.2	242.9	3.52E+12	270.5	28.1	242.4	3.37E+11	243.4	-4.9	248.3

NCAR-CCSM3.0_Set7

	2070 - 2099 (A1B, Run9) E' = 0.981498												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1078.3	1078.3	0	3.60E+14	1175.7	1306.5	-130.8	1.49E+14	843.4	527.6	315.7	62.6	62.6	0.0	53.9	68.3	-14.5	83.6	48.7	34.9
-90° to -80°	3.86E+12	107.3	0.7	106.5	3.58E+03	94.5	15.3	79.2	3.86E+12	107.3	0.7	106.5	13.9	1.9	12.0	0.0	9.1	-9.1	13.9	1.9	12.0
-80° to -70°	1.15E+13	291.0	19.1	271.8	3.16E+12	501.6	66.1	435.4	8.32E+12	211.0	1.3	209.7	40.7	0.1	40.5	56.3	-2.1	58.4	34.7	1.0	33.7
-70° to -60°	1.88E+13	783.5	119.8	663.7	1.67E+13	822.7	130.4	692.3	2.01E+12	457.6	31.7	425.9	117.5	-6.3	123.8	120.0	-7.0	127.0	96.6	-0.4	97.0
-60° to -50°	2.55E+13	1116.1	336.0	780.0	2.52E+13	1113.7	333.3	780.4	2.22E+11	1388.7	645.3	743.5	98.3	-10.5	108.8	98.4	-11.0	109.4	88.7	51.7	37.1
-50° to -40°	3.14E+13	1055.0	794.4	260.6	3.04E+13	1059.0	799.8	259.2	9.45E+11	925.0	620.1	304.9	11.9	86.2	-74.2	13.3	87.6	-74.3	-31.7	41.7	-73.4
-40° to -30°	3.64E+13	814.8	1354.7	-539.9	3.22E+13	840.4	1443.2	-602.8	4.17E+12	617.0	671.3	-54.3	8.7	72.2	-63.5	3.8	75.4	-71.6	47.1	47.7	-0.7
-30° to -20°	4.02E+13	746.4	1585.3	-838.9	3.09E+13	736.0	1865.1	-1129.1	9.30E+12	781.0	654.2	126.8	27.6	64.4	-36.7	12.9	69.0	-56.0	76.5	48.9	27.5
-20° to -10°	4.29E+13	1193.8	1759.7	-565.9	3.34E+13	1182.0	2018.2	-836.3	9.47E+12	1235.8	848.1	387.7	7.7	105.5	-97.8	-21.4	120.4	-141.8	110.6	53.0	57.6
-10° to 0°	4.42E+13	2119.9	1413.1	706.8	3.40E+13	2129.6	1496.9	632.7	1.03E+13	2087.6	1135.3	952.3	204.9	72.3	132.6	216.6	70.7	145.9	166.0	77.8	88.3
0° to 10°	4.42E+13	2009.6	1383.2	626.4	3.43E+13	2108.1	1482.6	625.5	9.93E+12	1669.2	1040.0	629.3	123.4	86.9	36.5	117.2	86.2	31.0	144.6	89.3	55.3
10° to 20°	4.29E+13	1045.4	1603.0	-557.7	3.14E+13	1120.7	1934.8	-814.2	1.15E+13	839.3	695.6	143.8	21.1	99.3	-78.2	-2.2	112.7	-114.8	84.7	62.6	22.1
20° to 30°	4.02E+13	647.2	1328.7	-681.4	2.50E+13	682.1	1853.7	-1171.6	1.52E+13	590.1	468.3	121.8	12.9	57.7	-44.9	-17.1	66.5	-83.6	61.9	43.3	18.6
30° to 40°	3.64E+13	848.3	1104.1	-255.9	2.07E+13	1010.5	1574.0	-563.6	1.57E+13	633.9	483.2	150.7	27.4	61.8	-34.3	10.7	73.7	-63.0	49.5	46.1	3.5
40° to 50°	3.14E+13	914.9	597.8	317.1	1.51E+13	1209.3	755.4	453.9	1.63E+13	642.0	451.6	190.4	53.2	45.2	8.0	56.7	39.9	16.8	50.0	50.0	-0.1
50° to 60°	2.55E+13	936.3	464.3	472.0	1.07E+13	1126.2	550.7	575.5	1.48E+13	799.1	401.9	397.2	86.6	32.6	54.0	85.0	-2.0	87.1	87.8	57.7	30.1
60° to 70°	1.88E+13	768.7	290.1	478.6	5.37E+12	912.0	488.1	423.9	1.34E+13	711.2	210.6	500.6	112.3	38.5	73.8	86.5	37.5	49.0	122.7	38.9	83.7
70° to 80°	1.15E+13	489.2	203.3	285.9	7.93E+12	508.3	264.9	243.4	3.56E+12	446.8	66.1	380.6	103.5	61.3	42.2	103.3	81.1	22.1	103.9	17.0	86.9
80° to 90°	3.86E+12	370.3	90.6	279.7	3.52E+12	371.5	98.3	273.2	3.37E+11	357.4	9.8	347.6	102.2	65.4	36.8	101.0	70.2	30.8	114.0	14.7	99.3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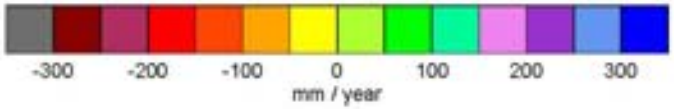
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200
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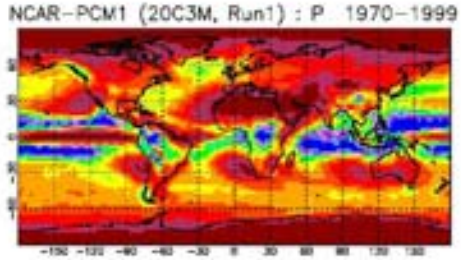
mm / year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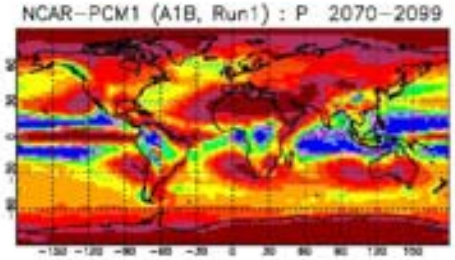
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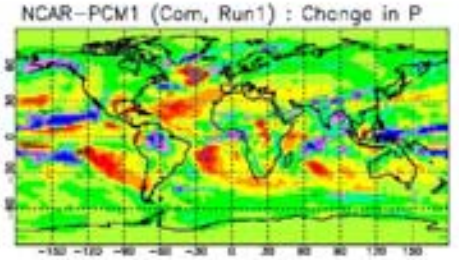
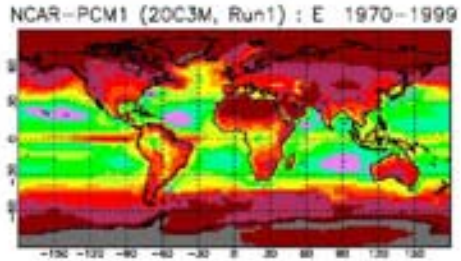

NCAR-PCM1 (Com, Run1) : Change in P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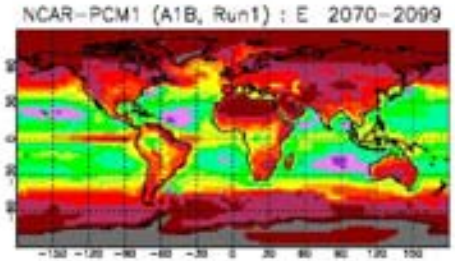
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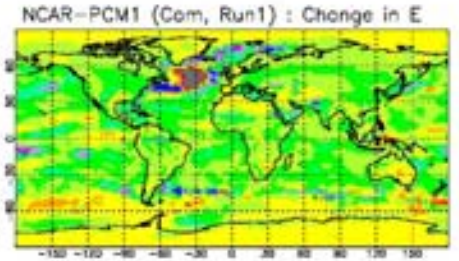
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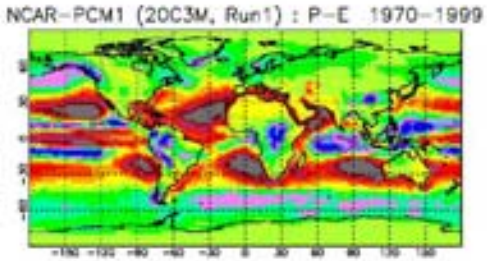
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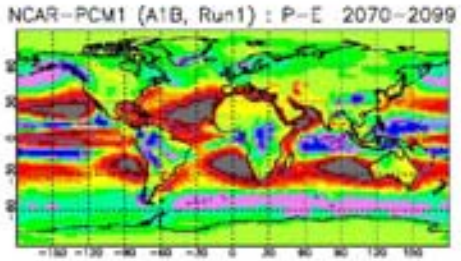
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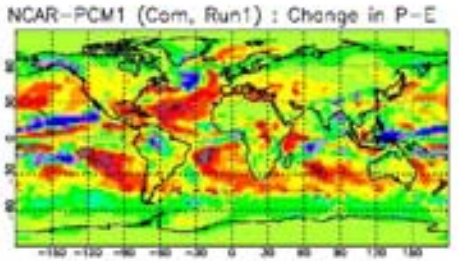
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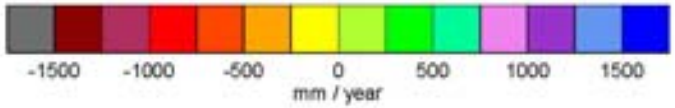
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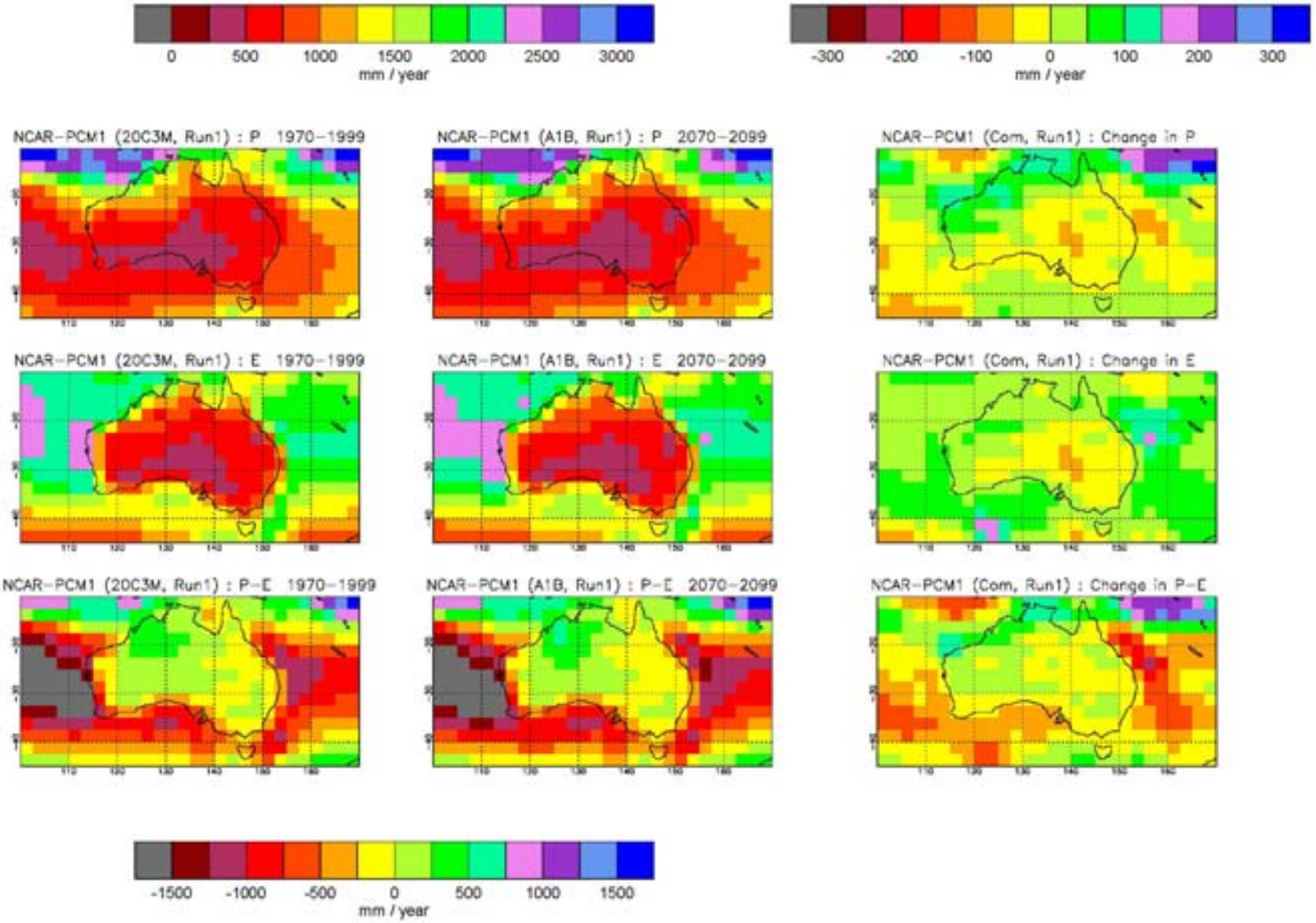
mm / year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mm / year
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mm / year
NCAR-PCM1 (20C3M, Run1) : P 1970-1999
NCAR-PCM1 (A1B, Run1) : P 2070-2099
NCAR-PCM1 (Com, Run1) : Change in P
NCAR-PCM1 (20C3M, Run1) : E 1970-1999
NCAR-PCM1 (A1B, Run1) : E 2070-2099
NCAR-PCM1 (Com, Run1) : Change in E
NCAR-PCM1 (20C3M, Run1) : P-E 1970-1999
NCAR-PCM1 (A1B, Run1) : P-E 2070-2099
NCAR-PCM1 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-PCM1_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	780.2	564.8	215.5	1.49E+14	826.6	596.6	230.1	46.4	31.8	14.6
Australia	7.70E+12	762.2	782.5	-20.3	7.70E+12	773.2	787.2	-13.9	11.0	4.7	6.3
New Zealand	2.19E+11	1179.4	957.1	222.3	2.19E+11	1221.2	1024.9	196.2	41.8	67.8	-26.1
South America	1.79E+13	1369.0	964.5	404.5	1.79E+13	1424.4	998.8	425.6	55.4	34.3	21.1
North America	2.53E+13	705.9	449.6	256.3	2.53E+13	763.1	486.2	276.9	57.2	36.6	20.6
Europe	6.88E+12	762.7	586.0	176.7	6.88E+12	789.1	633.2	155.9	26.4	47.1	-20.7
Africa	2.96E+13	930.0	713.4	216.6	2.96E+13	955.0	744.7	210.3	25.0	31.3	-6.4
Middle East	4.84E+12	110.4	367.7	-257.4	4.84E+12	140.2	407.6	-267.4	29.9	39.9	-10.0
Asia	3.88E+13	640.3	414.0	226.3	3.88E+13	708.5	454.8	253.7	68.3	40.8	27.5
Southeast Asia	4.05E+12	1606.4	1316.1	290.3	4.05E+12	1675.0	1341.0	334.0	68.6	24.9	43.7
Antarctica	1.32E+13	176.1	2.6	173.6	1.32E+13	202.4	1.9	200.5	26.3	-0.7	27.0

NCAR-PCM1_Set1

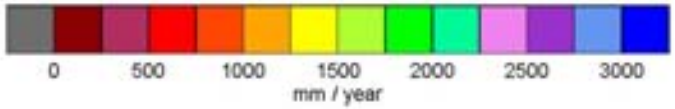
	1970 - 1999 (20C3M, Run1) E' = 0.981555											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1122.8	1122.8	0	3.60E+14	1265.0	1354.5	-89.5	1.49E+14	780.2	564.8	215.5
-90° to -80°	3.86E+12	95.4	-3.4	98.8	3.58E+03	60.1	-3.0	63.1	3.86E+12	95.4	-3.4	98.8
-80° to -70°	1.15E+13	263.1	27.7	235.4	3.75E+12	455.0	85.2	369.8	7.73E+12	170.0	-0.2	170.2
-70° to -60°	1.88E+13	739.4	214.5	525.0	1.71E+13	771.1	231.7	539.4	1.62E+12	404.5	32.4	372.1
-60° to -50°	2.55E+13	1078.1	395.1	683.0	2.53E+13	1076.3	392.1	684.3	2.05E+11	1299.2	771.9	527.3
-50° to -40°	3.14E+13	1121.4	848.4	273.0	3.04E+13	1123.2	852.7	270.5	9.86E+11	1066.1	718.3	347.8
-40° to -30°	3.64E+13	921.8	1456.7	-534.9	3.21E+13	956.6	1538.6	-582.0	4.23E+12	657.0	834.1	-177.2
-30° to -20°	4.02E+13	938.4	1683.3	-744.9	3.10E+13	972.0	1954.4	-982.4	9.22E+12	825.4	771.3	54.1
-20° to -10°	4.29E+13	1857.6	1687.9	169.7	3.34E+13	1982.5	1884.1	98.5	9.45E+12	1415.4	993.8	421.6
-10° to 0°	4.42E+13	1695.0	1539.7	155.3	3.40E+13	1685.4	1637.8	47.6	1.02E+13	1727.4	1211.4	516.0
0° to 10°	4.42E+13	1594.3	1489.0	105.3	3.43E+13	1595.3	1614.8	-19.5	9.90E+12	1590.9	1053.0	537.9
10° to 20°	4.29E+13	1518.8	1642.2	-123.3	3.18E+13	1790.2	1953.6	-163.4	1.11E+13	743.0	752.0	-9.0
20° to 30°	4.02E+13	786.6	1365.5	-578.9	2.53E+13	974.8	1893.8	-919.0	1.49E+13	466.8	467.6	-0.8
30° to 40°	3.64E+13	884.4	1111.9	-227.5	2.08E+13	1048.5	1528.0	-479.6	1.55E+13	664.2	553.3	110.9
40° to 50°	3.14E+13	900.6	673.4	227.2	1.46E+13	1200.5	852.5	348.0	1.68E+13	640.6	518.2	122.4
50° to 60°	2.55E+13	894.2	464.2	430.1	1.03E+13	1157.9	601.3	556.6	1.52E+13	715.5	371.2	344.3
60° to 70°	1.88E+13	605.3	212.6	392.7	4.58E+12	838.3	389.0	449.3	1.42E+13	530.1	155.7	374.4
70° to 80°	1.15E+13	299.2	80.7	218.6	7.55E+12	311.6	94.0	217.6	3.93E+12	275.5	55.0	220.5
80° to 90°	3.86E+12	200.3	37.3	163.0	3.46E+12	201.6	37.7	163.9	3.93E+11	188.8	34.3	154.5

NCAR-PCM1_Set1

	2070 - 2099 (A1B, Run1) E' = 0.979626												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1161.5	1161.5	0	3.60E+14	1300.5	1396.0	-95.5	1.49E+14	826.6	596.6	230.1	38.7	38.7	0.0	35.4	41.5	-6.1	46.4	31.8	14.6
-90° to -80°	3.86E+12	114.3	-4.4	118.6	3.58E+03	77.3	-2.4	79.7	3.86E+12	114.3	-4.4	118.6	18.9	-1.0	19.9	17.2	0.5	16.6	18.9	-1.0	19.9
-80° to -70°	1.15E+13	297.4	37.7	259.7	3.75E+12	509.8	116.2	393.6	7.73E+12	194.3	-0.5	194.7	34.2	10.0	24.3	54.8	31.0	23.8	24.2	-0.3	24.5
-70° to -60°	1.88E+13	794.9	215.5	579.4	1.71E+13	826.7	233.0	593.7	1.62E+12	459.0	31.0	428.0	55.4	1.0	54.4	55.5	1.2	54.3	54.4	-1.5	55.9
-60° to -50°	2.55E+13	1141.5	382.3	759.2	2.53E+13	1139.6	378.7	760.9	2.05E+11	1372.0	827.5	544.6	63.4	-12.8	76.2	63.3	-13.4	76.7	72.9	55.6	17.3
-50° to -40°	3.14E+13	1156.7	899.1	257.6	3.04E+13	1159.7	904.0	255.7	9.86E+11	1063.9	748.1	315.9	35.3	50.7	-15.4	36.5	51.4	-14.9	-2.2	29.7	-31.9
-40° to -30°	3.64E+13	910.8	1508.0	-597.2	3.21E+13	945.6	1594.8	-649.2	4.23E+12	647.0	848.8	-201.9	-11.0	51.3	-62.3	-11.1	56.2	-67.2	-10.0	14.7	-24.7
-30° to -20°	4.02E+13	932.7	1724.8	-792.1	3.10E+13	960.0	2004.6	-1044.5	9.22E+12	840.7	783.3	57.4	-5.7	41.5	-47.2	-11.9	50.2	-62.1	15.4	12.1	3.3
-20° to -10°	4.29E+13	1907.3	1739.1	168.3	3.34E+13	2032.8	1943.6	89.2	9.45E+12	1463.4	1015.5	447.9	49.8	51.2	-1.4	50.3	59.5	-9.2	48.0	21.7	26.3
-10° to 0°	4.42E+13	1743.1	1583.9	159.2	3.40E+13	1723.8	1683.5	40.2	1.02E+13	1807.6	1250.3	557.3	48.0	44.2	3.9	38.4	45.7	-7.3	80.2	38.9	41.3
0° to 10°	4.42E+13	1646.5	1522.0	124.5	3.43E+13	1653.4	1646.3	7.0	9.90E+12	1622.7	1090.9	531.8	52.2	32.9	19.2	58.0	31.5	26.5	31.8	37.9	-6.1
10° to 20°	4.29E+13	1602.0	1686.9	-84.9	3.18E+13	1882.6	1995.1	-112.5	1.11E+13	799.7	806.0	-6.3	83.1	44.7	38.4	92.4	41.5	50.9	56.7	54.1	2.7
20° to 30°	4.02E+13	795.6	1413.0	-617.3	2.53E+13	969.5	1950.3	-980.8	1.49E+13	500.1	499.8	0.3	9.0	47.5	-38.5	-5.3	56.5	-61.8	33.3	32.2	1.1
30° to 40°	3.64E+13	891.8	1166.0	-274.2	2.08E+13	1034.7	1594.3	-559.6	1.55E+13	699.9	590.9	109.1	7.3	54.0	-46.7	-13.8	66.3	-80.1	35.7	37.6	-1.9
40° to 50°	3.14E+13	934.0	728.8	205.2	1.46E+13	1232.4	912.4	320.0	1.68E+13	675.3	569.6	105.6	33.4	55.4	-22.0	31.9	59.9	-28.0	34.7	51.5	-16.8
50° to 60°	2.55E+13	959.7	491.7	468.0	1.03E+13	1211.7	595.6	616.1	1.52E+13	789.0	421.4	367.6	65.5	27.6	37.9	53.8	-5.8	59.5	73.5	50.2	23.3
60° to 70°	1.88E+13	697.7	245.5	452.2	4.58E+12	941.8	466.0	475.8	1.42E+13	618.9	174.4	444.6	92.4	32.9	59.5	103.5	77.0	26.5	88.9	18.7	70.2
70° to 80°	1.15E+13	362.7	107.7	254.9	7.55E+12	377.1	133.2	244.0	3.93E+12	334.9	58.9	276.0	63.4	27.1	36.4	65.6	39.2	26.4	59.4	3.9	55.5
80° to 90°	3.86E+12	238.6	34.6	204.0	3.46E+12	239.7	34.7	205.0	3.93E+11	228.7	33.4	195.4	38.3	-2.8	41.1	38.1	-3.0	41.1	39.9	-0.9	40.8

NCAR-PCM1_Set1

	2070 - 2099 (A2, Run1) E' = 0.979308												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1164.4	1164.4	0	3.60E+14	1302.5	1399.0	-96.4	1.49E+14	831.7	599.4	232.3	41.6	41.6	0.0	37.5	44.5	-7.0	51.5	34.6	16.9
-90° to -80°	3.86E+12	115.8	-4.2	120.0	3.58E+03	154.6	-1.6	156.2	3.86E+12	115.8	-4.2	120.0	20.4	-0.8	21.2	94.5	1.3	93.1	20.4	-0.8	21.2
-80° to -70°	1.15E+13	305.5	39.4	266.1	3.75E+12	522.4	122.2	400.2	7.73E+12	200.2	-0.8	201.0	42.4	11.7	30.6	67.4	37.0	30.5	30.2	-0.5	30.7
-70° to -60°	1.88E+13	812.4	211.0	601.4	1.71E+13	845.6	228.2	617.4	1.62E+12	461.2	29.2	431.9	72.9	-3.5	76.4	74.5	-3.5	78.0	56.6	-3.2	59.8
-60° to -50°	2.55E+13	1147.7	378.5	769.2	2.53E+13	1146.0	374.8	771.2	2.05E+11	1351.6	830.5	521.1	69.6	-16.6	86.1	69.7	-17.2	86.9	52.4	58.6	-6.2
-50° to -40°	3.14E+13	1143.4	909.6	233.8	3.04E+13	1146.7	914.7	232.0	9.86E+11	1042.9	755.0	287.9	22.0	61.2	-39.2	23.5	62.0	-38.5	-23.2	36.6	-59.9
-40° to -30°	3.64E+13	914.7	1515.7	-601.0	3.21E+13	946.7	1601.6	-654.9	4.23E+12	671.6	863.8	-192.2	-7.1	59.1	-66.2	-9.9	62.9	-72.9	14.7	29.7	-15.0
-30° to -20°	4.02E+13	942.3	1723.7	-781.4	3.10E+13	967.1	1999.1	-1032.0	9.22E+12	858.9	797.2	61.7	3.9	40.4	-36.5	-4.9	44.7	-49.6	33.5	25.9	7.6
-20° to -10°	4.29E+13	1904.6	1743.6	161.1	3.34E+13	2030.1	1947.5	82.6	9.45E+12	1460.7	1022.1	438.6	47.1	55.7	-8.6	47.6	63.4	-15.9	45.3	28.3	17.0
-10° to 0°	4.42E+13	1766.6	1582.5	184.1	3.40E+13	1750.2	1681.6	68.5	1.02E+13	1821.7	1250.7	571.0	71.6	42.8	28.8	64.8	43.8	21.0	94.3	39.3	55.0
0° to 10°	4.42E+13	1654.6	1525.9	128.8	3.43E+13	1660.4	1650.6	9.9	9.90E+12	1634.7	1093.7	541.0	60.3	36.8	23.5	65.1	35.7	29.3	43.8	40.7	3.1
10° to 20°	4.29E+13	1575.3	1700.0	-124.7	3.18E+13	1851.6	2013.2	-161.6	1.11E+13	785.4	804.6	-19.2	56.4	57.8	-1.4	61.3	59.6	1.7	42.4	52.6	-10.2
20° to 30°	4.02E+13	790.6	1409.9	-619.3	2.53E+13	968.2	1949.1	-980.9	1.49E+13	488.7	493.6	-4.8	4.0	44.4	-40.5	-6.6	55.3	-61.9	21.9	25.9	-4.0
30° to 40°	3.64E+13	902.0	1172.3	-270.3	2.08E+13	1046.7	1603.3	-556.6	1.55E+13	707.8	593.8	114.0	17.6	60.4	-42.8	-1.8	75.3	-77.1	43.6	40.5	3.1
40° to 50°	3.14E+13	933.2	720.6	212.6	1.46E+13	1227.2	890.7	336.5	1.68E+13	678.3	573.0	105.3	32.6	47.1	-14.5	26.7	38.2	-11.5	37.7	54.9	-17.1
50° to 60°	2.55E+13	964.7	495.3	469.4	1.03E+13	1206.1	598.2	607.9	1.52E+13	801.1	425.5	375.6	70.5	31.1	39.4	48.2	-3.1	51.3	85.6	54.3	31.3
60° to 70°	1.88E+13	709.2	252.6	456.6	4.58E+12	955.1	483.5	471.6	1.42E+13	629.9	178.1	451.8	104.0	40.0	64.0	116.9	94.5	22.3	99.8	22.4	77.4
70° to 80°	1.15E+13	373.9	119.5	254.5	7.55E+12	390.8	148.3	242.5	3.93E+12	341.5	64.1	277.4	74.7	38.8	35.9	79.2	54.3	24.9	66.0	9.0	57.0
80° to 90°	3.86E+12	248.5	37.2	211.3	3.46E+12	248.8	37.4	211.4	3.93E+11	245.7	35.0	210.7	48.2	-0.2	48.4	47.2	-0.3	47.5	56.9	0.7	56.2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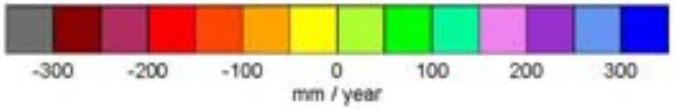
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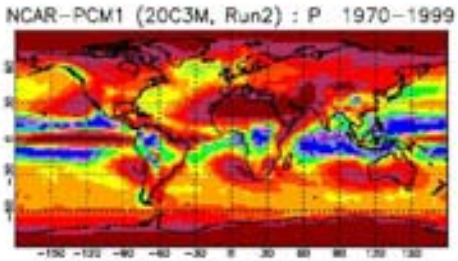
mm / year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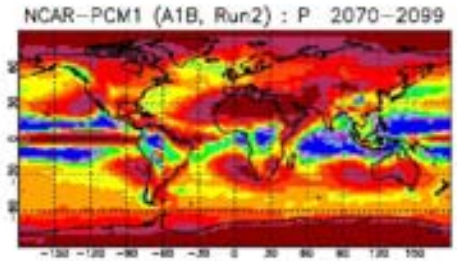
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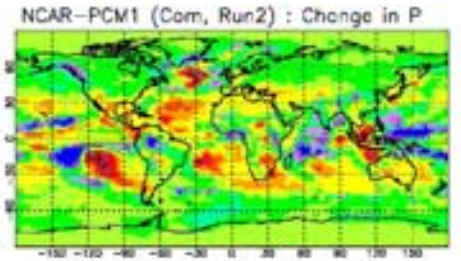
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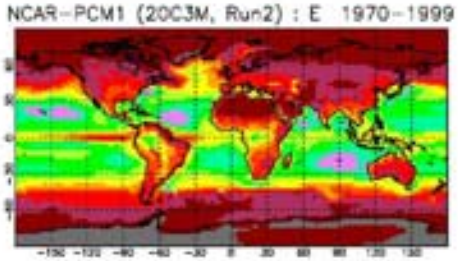
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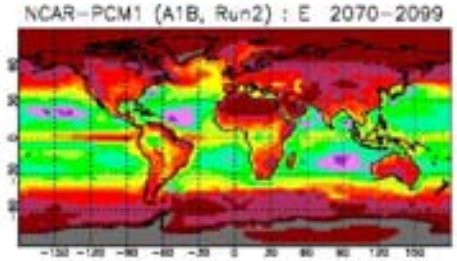
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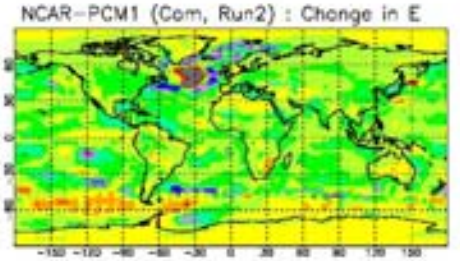
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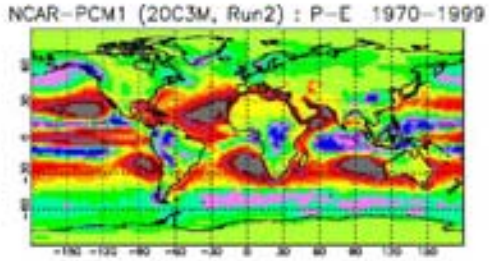
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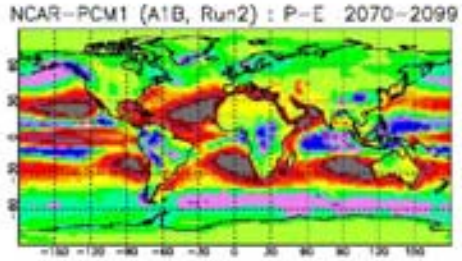
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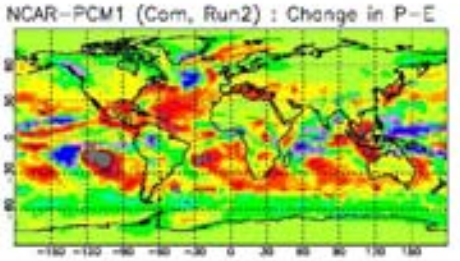
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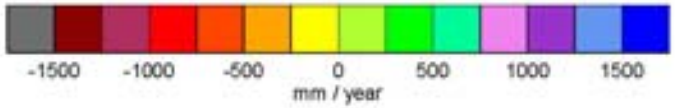
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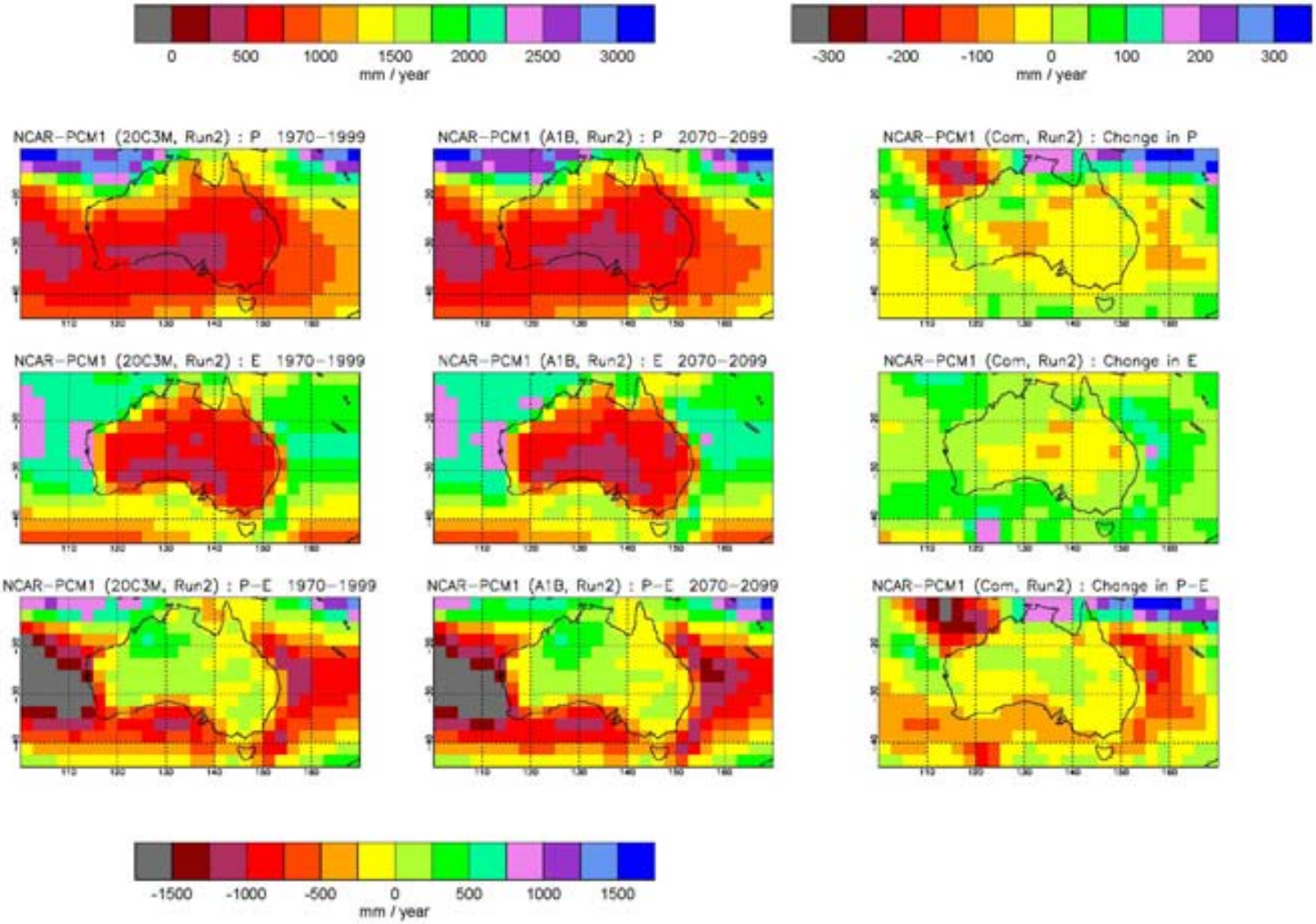
mm / year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mm / year
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mm / year
NCAR-PCM1 (20C3M, Run2) : P 1970-1999
NCAR-PCM1 (A1B, Run2) : P 2070-2099
NCAR-PCM1 (Com, Run2) : Change in P
NCAR-PCM1 (20C3M, Run2) : E 1970-1999
NCAR-PCM1 (A1B, Run2) : E 2070-2099
NCAR-PCM1 (Com, Run2) : Change in E
NCAR-PCM1 (20C3M, Run2) : P-E 1970-1999
NCAR-PCM1 (A1B, Run2) : P-E 2070-2099
NCAR-PCM1 (Com, Run2) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-PCM1_Set2

Region	1970 - 1999 (20C3M, Run2)				2070 - 2099 (A1B, Run2)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	782.3	565.7	216.6	1.49E+14	823.4	593.9	229.5	41.1	28.2	12.9
Australia	7.70E+12	769.1	787.5	-18.4	7.70E+12	764.4	789.5	-25.1	-4.7	2.0	-6.7
New Zealand	2.19E+11	1143.5	954.2	189.2	2.19E+11	1221.5	1007.8	213.7	78.0	53.5	24.5
South America	1.79E+13	1372.9	971.7	401.2	1.79E+13	1423.9	996.2	427.8	51.1	24.5	26.6
North America	2.53E+13	704.9	449.4	255.5	2.53E+13	762.8	485.1	277.6	57.9	35.7	22.1
Europe	6.88E+12	764.3	585.1	179.2	6.88E+12	788.4	628.1	160.3	24.1	43.0	-18.9
Africa	2.96E+13	928.1	713.2	214.9	2.96E+13	954.5	741.0	213.5	26.4	27.8	-1.4
Middle East	4.84E+12	115.8	371.7	-255.8	4.84E+12	128.7	399.7	-271.1	12.8	28.1	-15.3
Asia	3.88E+13	645.7	414.1	231.7	3.88E+13	703.7	451.0	252.6	57.9	37.0	21.0
Southeast Asia	4.05E+12	1628.6	1306.8	321.7	4.05E+12	1635.8	1338.0	297.8	7.2	31.1	-23.9
Antarctica	1.32E+13	172.2	2.9	169.4	1.32E+13	203.0	2.0	201.0	30.7	-0.9	31.6

NCAR-PCM1_Set2

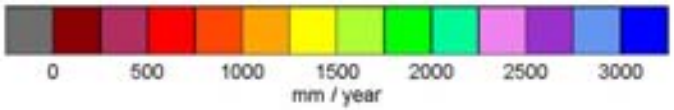
	1970 - 1999 (20C3M, Run2) E' = 0.981601											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1122.9	1122.9	0	3.60E+14	1264.3	1354.2	-89.9	1.49E+14	782.3	565.7	216.6
-90° to -80°	3.86E+12	95.3	-3.3	98.7	3.58E+03	111.6	-4.0	115.7	3.86E+12	95.3	-3.3	98.7
-80° to -70°	1.15E+13	259.5	29.5	230.0	3.75E+12	453.6	89.8	363.8	7.73E+12	165.3	0.3	165.1
-70° to -60°	1.88E+13	740.2	213.6	526.6	1.71E+13	772.9	230.8	542.1	1.62E+12	395.0	32.5	362.5
-60° to -50°	2.55E+13	1082.2	397.6	684.6	2.53E+13	1080.7	394.4	686.3	2.05E+11	1271.8	786.7	485.1
-50° to -40°	3.14E+13	1109.4	845.5	263.9	3.04E+13	1111.5	849.6	261.9	9.86E+11	1043.4	719.3	324.1
-40° to -30°	3.64E+13	921.6	1452.8	-531.2	3.21E+13	955.0	1534.3	-579.3	4.23E+12	667.7	833.4	-165.7
-30° to -20°	4.02E+13	948.7	1682.7	-734.0	3.10E+13	980.8	1951.5	-970.7	9.22E+12	840.9	778.2	62.8
-20° to -10°	4.29E+13	1846.4	1691.1	155.3	3.34E+13	1966.6	1887.6	79.0	9.45E+12	1421.3	995.9	425.5
-10° to 0°	4.42E+13	1695.2	1539.8	155.3	3.40E+13	1686.1	1637.7	48.4	1.02E+13	1725.5	1212.3	513.2
0° to 10°	4.42E+13	1592.9	1489.3	103.6	3.43E+13	1594.2	1614.7	-20.5	9.90E+12	1588.3	1054.6	533.7
10° to 20°	4.29E+13	1529.5	1640.2	-110.6	3.18E+13	1804.9	1950.7	-145.8	1.11E+13	742.4	752.6	-10.2
20° to 30°	4.02E+13	788.7	1369.6	-580.9	2.53E+13	973.3	1899.1	-925.8	1.49E+13	475.0	469.8	5.2
30° to 40°	3.64E+13	885.3	1112.0	-226.8	2.08E+13	1044.3	1526.9	-482.6	1.55E+13	671.7	555.0	116.6
40° to 50°	3.14E+13	892.6	676.5	216.2	1.46E+13	1193.7	862.0	331.7	1.68E+13	631.6	515.7	116.0
50° to 60°	2.55E+13	894.1	460.3	433.8	1.03E+13	1156.4	588.6	567.8	1.52E+13	716.3	373.4	342.9
60° to 70°	1.88E+13	614.3	212.0	402.3	4.58E+12	850.8	393.8	457.0	1.42E+13	537.9	153.4	384.6
70° to 80°	1.15E+13	299.0	81.8	217.2	7.55E+12	312.2	95.7	216.5	3.93E+12	273.5	55.0	218.5
80° to 90°	3.86E+12	198.1	37.1	160.9	3.46E+12	199.0	37.6	161.4	3.93E+11	189.5	32.9	156.6

NCAR-PCM1_Set2

	2070 - 2099 (A1B, Run2) E' = 0.979578												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1160.7	1160.7	0	3.60E+14	1300.8	1396.1	-95.3	1.49E+14	823.4	593.9	229.5	37.8	37.8	0.0	36.5	41.9	-5.3	41.1	28.2	12.9
-90° to -80°	3.86E+12	113.1	-4.2	117.2	3.58E+03	68.7	-0.8	69.5	3.86E+12	113.1	-4.2	117.2	17.7	-0.8	18.6	-42.9	3.2	-46.2	17.7	-0.8	18.6
-80° to -70°	1.15E+13	300.2	39.5	260.7	3.75E+12	515.5	121.8	393.7	7.73E+12	195.7	-0.4	196.1	40.7	10.0	30.7	61.9	32.0	29.9	30.4	-0.6	31.0
-70° to -60°	1.88E+13	803.7	220.7	582.9	1.71E+13	836.3	238.7	597.5	1.62E+12	459.0	30.6	428.5	63.5	7.1	56.3	63.4	8.0	55.4	64.0	-1.9	65.9
-60° to -50°	2.55E+13	1137.9	379.0	758.8	2.53E+13	1136.1	375.5	760.6	2.05E+11	1357.6	820.5	537.1	55.6	-18.6	74.2	55.4	-19.0	74.4	85.8	33.8	52.0
-50° to -40°	3.14E+13	1147.4	898.4	249.0	3.04E+13	1150.6	903.3	247.3	9.86E+11	1046.7	746.5	300.2	38.0	52.9	-14.9	39.1	53.7	-14.6	3.4	27.2	-23.8
-40° to -30°	3.64E+13	916.3	1508.6	-592.3	3.21E+13	949.5	1594.5	-645.0	4.23E+12	664.2	856.3	-192.0	-5.3	55.8	-61.1	-5.5	60.1	-65.7	-3.5	22.9	-26.4
-30° to -20°	4.02E+13	935.8	1720.6	-784.8	3.10E+13	964.3	1999.7	-1035.3	9.22E+12	839.7	781.3	58.4	-13.0	37.9	-50.8	-16.4	48.2	-64.6	-1.2	3.1	-4.4
-20° to -10°	4.29E+13	1895.9	1742.1	153.8	3.34E+13	2022.1	1948.7	73.4	9.45E+12	1449.1	1011.1	438.0	49.4	51.0	-1.5	55.6	61.1	-5.5	27.8	15.2	12.6
-10° to 0°	4.42E+13	1756.6	1579.5	177.0	3.40E+13	1743.8	1680.3	63.5	1.02E+13	1799.2	1242.1	557.1	61.4	39.7	21.7	57.7	42.6	15.1	73.7	29.8	43.9
0° to 10°	4.42E+13	1650.9	1526.2	124.7	3.43E+13	1655.9	1651.0	4.9	9.90E+12	1633.4	1093.6	539.9	58.0	36.9	21.1	61.7	36.3	25.4	45.2	39.0	6.2
10° to 20°	4.29E+13	1588.0	1691.9	-103.9	3.18E+13	1868.7	2003.4	-134.7	1.11E+13	785.4	801.3	-15.9	58.4	51.7	6.8	63.8	52.7	11.1	43.0	48.8	-5.7
20° to 30°	4.02E+13	794.1	1407.3	-613.2	2.53E+13	972.2	1944.8	-972.6	1.49E+13	491.4	493.9	-2.5	5.4	37.8	-32.3	-1.0	45.8	-46.8	16.4	24.1	-7.6
30° to 40°	3.64E+13	893.9	1165.8	-271.9	2.08E+13	1043.0	1594.3	-551.3	1.55E+13	693.7	590.6	103.1	8.6	53.8	-45.2	-1.4	67.3	-68.7	22.0	35.5	-13.5
40° to 50°	3.14E+13	940.0	719.9	220.1	1.46E+13	1242.4	897.4	345.0	1.68E+13	677.9	566.1	111.8	47.4	43.4	3.9	48.7	35.4	13.2	46.2	50.4	-4.2
50° to 60°	2.55E+13	954.9	486.6	468.2	1.03E+13	1193.9	591.9	601.9	1.52E+13	792.9	415.2	377.6	60.8	26.3	34.5	37.5	3.4	34.1	76.6	41.8	34.7
60° to 70°	1.88E+13	689.6	248.0	441.6	4.58E+12	931.2	483.0	448.3	1.42E+13	611.6	172.1	439.5	75.3	36.0	39.4	80.4	89.2	-8.8	73.7	18.8	54.9
70° to 80°	1.15E+13	353.9	109.7	244.2	7.55E+12	367.8	134.5	233.4	3.93E+12	327.3	62.3	265.0	55.0	28.0	27.0	55.6	38.8	16.8	53.8	7.3	46.5
80° to 90°	3.86E+12	234.2	37.1	197.1	3.46E+12	234.9	37.2	197.7	3.93E+11	228.1	36.2	191.9	36.1	0.0	36.2	35.9	-0.4	36.3	38.6	3.3	35.3

NCAR-PCM1_Set2

	2070 - 2099 (A2, Run2) E' = 0.979303												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1163.6	1163.6	0	3.60E+14	1299.3	1397.4	-98.1	1.49E+14	836.7	600.5	236.3	40.7	40.7	0.0	35.0	43.2	-8.2	54.4	34.8	19.6
-90° to -80°	3.86E+12	120.0	-4.7	124.7	3.58E+03	163.2	-5.6	168.8	3.86E+12	120.0	-4.7	124.7	24.7	-1.4	26.0	51.5	-1.6	53.1	24.7	-1.4	26.0
-80° to -70°	1.15E+13	302.3	39.2	263.1	3.75E+12	519.5	121.1	398.4	7.73E+12	196.9	-0.6	197.4	42.8	9.7	33.1	65.9	31.3	34.6	31.6	-0.8	32.4
-70° to -60°	1.88E+13	808.9	215.6	593.3	1.71E+13	841.9	233.1	608.8	1.62E+12	459.7	30.6	429.1	68.7	2.0	66.7	69.0	2.3	66.7	64.7	-1.9	66.6
-60° to -50°	2.55E+13	1149.6	378.0	771.7	2.53E+13	1147.9	374.3	773.6	2.05E+11	1358.1	829.7	528.4	67.4	-19.6	87.0	67.2	-20.1	87.4	86.3	43.0	43.4
-50° to -40°	3.14E+13	1134.7	901.4	233.4	3.04E+13	1137.9	906.1	231.8	9.86E+11	1036.5	754.2	282.4	25.3	55.9	-30.5	26.4	56.5	-30.1	-6.8	34.9	-41.7
-40° to -30°	3.64E+13	910.4	1511.4	-601.0	3.21E+13	942.3	1597.1	-654.8	4.23E+12	668.1	860.3	-192.2	-11.2	58.6	-69.8	-12.8	62.8	-75.5	0.4	27.0	-26.5
-30° to -20°	4.02E+13	937.9	1725.4	-787.5	3.10E+13	963.0	2002.0	-1039.0	9.22E+12	853.4	794.8	58.6	-10.8	42.7	-53.6	-17.7	50.5	-68.2	12.5	16.6	-4.2
-20° to -10°	4.29E+13	1896.0	1753.0	143.0	3.34E+13	2016.2	1959.3	56.9	9.45E+12	1470.8	1023.4	447.5	49.6	61.9	-12.3	49.6	71.7	-22.0	49.5	27.5	22.0
-10° to 0°	4.42E+13	1766.5	1576.1	190.3	3.40E+13	1746.4	1671.1	75.3	1.02E+13	1833.7	1258.4	575.4	71.3	36.3	35.0	60.3	33.4	26.9	108.3	46.1	62.1
0° to 10°	4.42E+13	1658.6	1524.7	133.9	3.43E+13	1659.1	1647.2	11.9	9.90E+12	1656.8	1100.0	556.8	65.7	35.4	30.3	64.9	32.5	32.4	68.5	45.3	23.2
10° to 20°	4.29E+13	1585.1	1694.2	-109.1	3.18E+13	1858.7	2004.0	-145.3	1.11E+13	803.0	808.6	-5.6	55.5	54.0	1.5	53.8	53.3	0.5	60.6	56.1	4.5
20° to 30°	4.02E+13	791.8	1417.2	-625.4	2.53E+13	964.7	1957.2	-992.4	1.49E+13	498.0	499.6	-1.6	3.2	47.6	-44.5	-8.5	58.1	-66.7	23.0	29.8	-6.8
30° to 40°	3.64E+13	904.1	1170.6	-266.6	2.08E+13	1046.5	1596.0	-549.6	1.55E+13	712.9	599.5	113.4	18.8	58.6	-39.8	2.1	69.1	-67.0	41.2	44.5	-3.3
40° to 50°	3.14E+13	939.5	727.7	211.9	1.46E+13	1235.0	907.7	327.3	1.68E+13	683.5	571.6	111.8	46.9	51.2	-4.3	41.2	45.7	-4.5	51.8	56.0	-4.1
50° to 60°	2.55E+13	966.8	485.2	481.6	1.03E+13	1207.3	583.0	624.2	1.52E+13	803.8	418.9	384.9	72.7	24.9	47.8	50.8	-5.6	56.4	87.5	45.5	42.0
60° to 70°	1.88E+13	698.7	250.7	448.1	4.58E+12	941.2	484.7	456.5	1.42E+13	620.5	175.1	445.3	84.4	38.6	45.8	90.4	91.0	-0.6	82.5	21.7	60.8
70° to 80°	1.15E+13	363.6	111.3	252.2	7.55E+12	375.4	137.7	237.8	3.93E+12	340.7	60.7	280.0	64.6	29.5	35.1	63.2	42.0	21.2	67.2	5.7	61.5
80° to 90°	3.86E+12	240.0	35.5	204.5	3.46E+12	240.0	35.6	204.4	3.93E+11	240.0	34.0	206.0	41.9	-1.7	43.6	41.0	-2.0	43.0	50.5	1.2	49.3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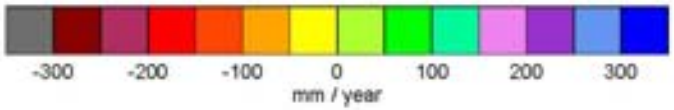
mm / year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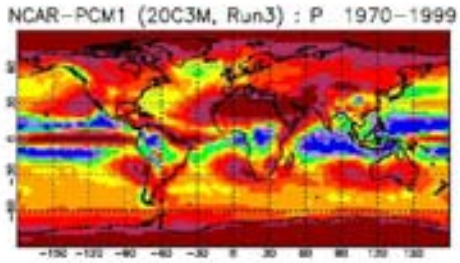
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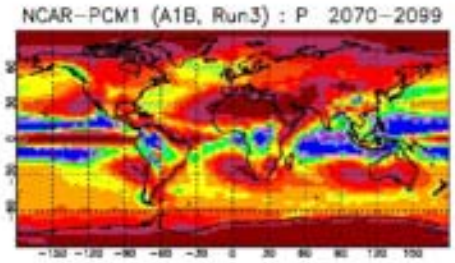
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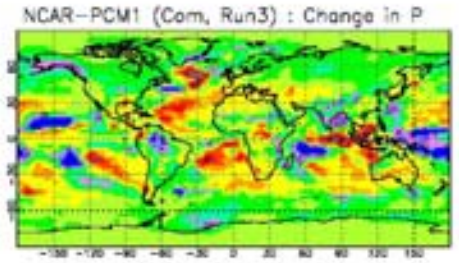
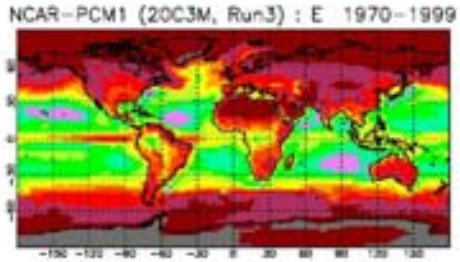

NCAR-PCM1 (Com, Run3) : Change in P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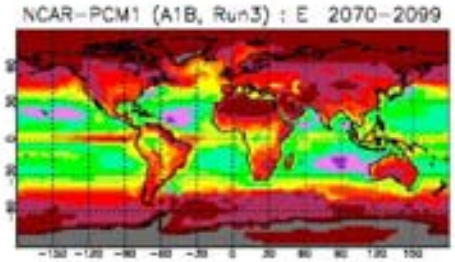
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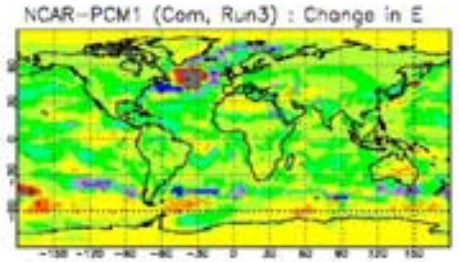
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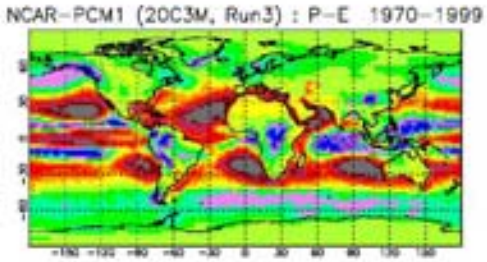
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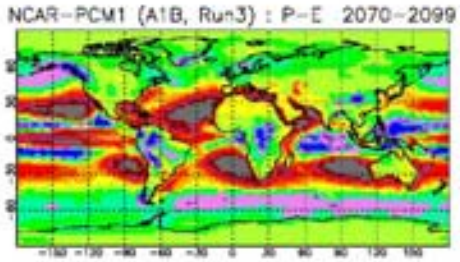
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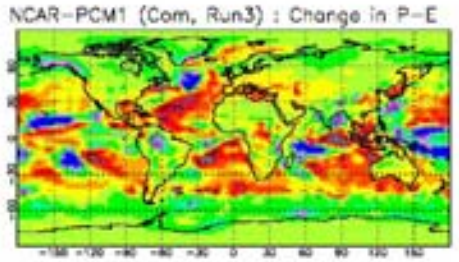
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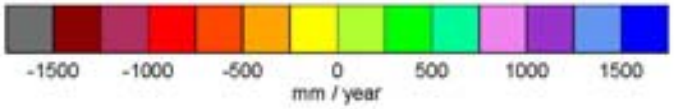
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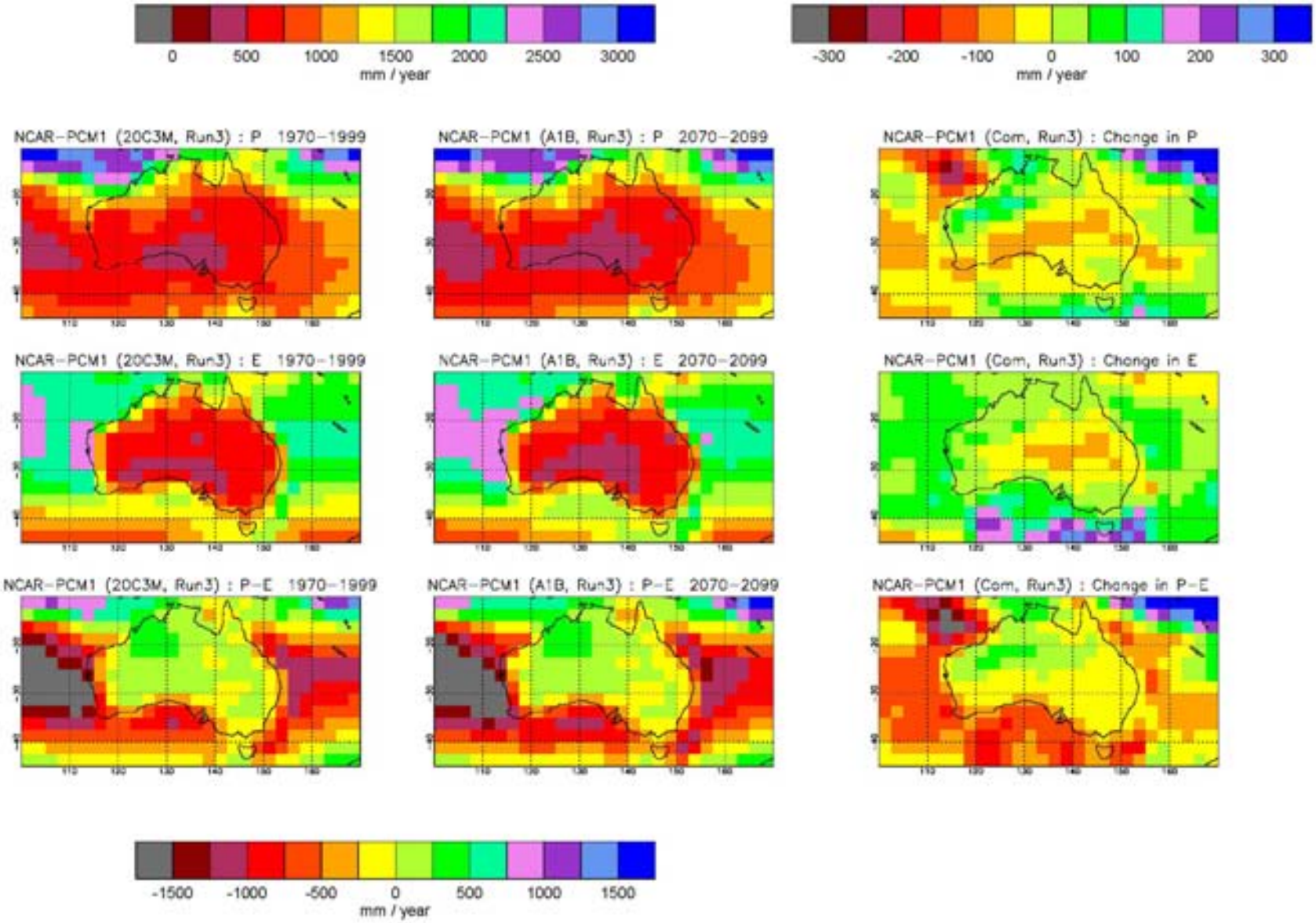
mm / year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mm / year
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mm / year
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NCAR-PCM1 (A1B, Run3) : P 2070-2099
NCAR-PCM1 (Com, Run3) : Change in P
NCAR-PCM1 (20C3M, Run3) : E 1970-1999
NCAR-PCM1 (A1B, Run3) : E 2070-2099
NCAR-PCM1 (Com, Run3) : Change in E
NCAR-PCM1 (20C3M, Run3) : P-E 1970-1999
NCAR-PCM1 (A1B, Run3) : P-E 2070-2099
NCAR-PCM1 (Com, Run3) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-PCM1_Set3

Region	1970 - 1999 (20C3M, Run3)				2070 - 2099 (A1B, Run3)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	779.8	565.2	214.6	1.49E+14	825.4	596.7	228.6	45.6	31.5	14.1
Australia	7.70E+12	774.3	791.8	-17.5	7.70E+12	765.8	790.3	-24.5	-8.5	-1.5	-7.0
New Zealand	2.19E+11	1186.4	963.6	222.7	2.19E+11	1222.9	1023.1	199.8	36.6	59.5	-22.9
South America	1.79E+13	1358.5	964.8	393.7	1.79E+13	1428.0	1005.5	422.4	69.5	40.7	28.8
North America	2.53E+13	699.8	450.3	249.5	2.53E+13	767.9	484.3	283.6	68.1	34.0	34.1
Europe	6.88E+12	771.6	588.3	183.2	6.88E+12	788.5	632.7	155.8	16.9	44.4	-27.4
Africa	2.96E+13	930.1	715.0	215.1	2.96E+13	957.7	746.6	211.1	27.6	31.6	-4.0
Middle East	4.84E+12	113.8	370.3	-256.5	4.84E+12	131.3	400.4	-269.1	17.5	30.1	-12.6
Asia	3.88E+13	640.6	411.1	229.5	3.88E+13	703.1	452.6	250.5	62.5	41.5	21.0
Southeast Asia	4.05E+12	1636.3	1313.6	322.8	4.05E+12	1626.9	1341.0	285.9	-9.5	27.4	-36.9
Antarctica	1.32E+13	175.3	2.9	172.4	1.32E+13	204.5	1.9	202.6	29.2	-1.0	30.2

NCAR-PCM1_Set3

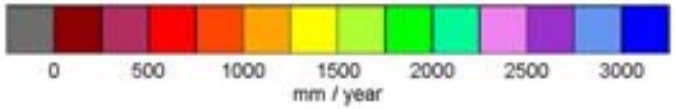
	1970 - 1999 (20C3M, Run3) E' = 0.981596											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1122.5	1122.5	0	3.60E+14	1264.8	1353.9	-89.1	1.49E+14	779.8	565.2	214.6
-90° to -80°	3.86E+12	96.1	-3.5	99.6	3.58E+03	77.3	-5.1	82.4	3.86E+12	96.1	-3.5	99.6
-80° to -70°	1.15E+13	263.3	31.6	231.7	3.75E+12	456.2	96.0	360.2	7.73E+12	169.7	0.3	169.4
-70° to -60°	1.88E+13	736.0	219.6	516.4	1.71E+13	768.0	237.3	530.7	1.62E+12	397.5	32.8	364.8
-60° to -50°	2.55E+13	1085.1	399.2	686.0	2.53E+13	1083.4	396.1	687.3	2.05E+11	1294.8	773.2	521.6
-50° to -40°	3.14E+13	1114.1	823.3	290.8	3.04E+13	1116.2	827.1	289.1	9.86E+11	1050.0	708.2	341.8
-40° to -30°	3.64E+13	914.7	1453.4	-538.7	3.21E+13	948.2	1535.0	-586.8	4.23E+12	660.3	833.8	-173.5
-30° to -20°	4.02E+13	932.8	1688.7	-755.9	3.10E+13	962.4	1958.3	-995.9	9.22E+12	833.4	781.7	51.7
-20° to -10°	4.29E+13	1843.9	1693.7	150.2	3.34E+13	1965.5	1890.6	74.9	9.45E+12	1413.6	997.1	416.6
-10° to 0°	4.42E+13	1694.8	1541.8	153.1	3.40E+13	1686.1	1640.5	45.6	1.02E+13	1724.2	1211.3	512.9
0° to 10°	4.42E+13	1611.3	1486.3	125.1	3.43E+13	1616.9	1611.5	5.4	9.90E+12	1591.9	1052.3	539.6
10° to 20°	4.29E+13	1521.0	1640.2	-119.3	3.18E+13	1795.6	1951.5	-155.9	1.11E+13	735.8	750.3	-14.5
20° to 30°	4.02E+13	787.9	1366.8	-579.0	2.53E+13	979.7	1897.3	-917.6	1.49E+13	461.9	465.3	-3.5
30° to 40°	3.64E+13	885.0	1109.4	-224.4	2.08E+13	1045.2	1522.7	-477.5	1.55E+13	669.9	554.5	115.5
40° to 50°	3.14E+13	899.4	677.5	222.0	1.46E+13	1204.7	864.0	340.8	1.68E+13	634.8	515.8	119.0
50° to 60°	2.55E+13	899.1	462.1	437.0	1.03E+13	1167.8	597.2	570.6	1.52E+13	716.9	370.6	346.4
60° to 70°	1.88E+13	610.7	216.8	393.9	4.58E+12	846.0	401.4	444.6	1.42E+13	534.8	157.2	377.5
70° to 80°	1.15E+13	295.9	85.6	210.3	7.55E+12	308.0	99.8	208.2	3.93E+12	272.6	58.3	214.3
80° to 90°	3.86E+12	195.8	37.9	157.9	3.46E+12	196.7	38.3	158.4	3.93E+11	187.4	34.4	153.0

NCAR-PCM1_Set3

	2070 - 2099 (A1B, Run3) E' = 0.979529												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1161.7	1161.7	0	3.60E+14	1301.3	1396.2	-94.9	1.49E+14	825.4	596.7	228.6	39.1	39.1	0.0	36.4	42.3	-5.8	45.6	31.5	14.1
-90° to -80°	3.86E+12	115.5	-4.4	119.9	3.58E+03	137.4	-4.6	142.0	3.86E+12	115.5	-4.4	119.9	19.4	-0.9	20.4	60.1	0.5	59.6	19.4	-0.9	20.4
-80° to -70°	1.15E+13	302.9	39.5	263.4	3.75E+12	522.0	121.6	400.4	7.73E+12	196.6	-0.4	197.0	39.6	7.9	31.7	65.8	25.6	40.2	26.9	-0.7	27.6
-70° to -60°	1.88E+13	802.4	219.5	582.9	1.71E+13	834.7	237.4	597.3	1.62E+12	461.5	30.8	430.6	66.4	-0.1	66.5	66.7	0.1	66.5	63.9	-2.0	65.9
-60° to -50°	2.55E+13	1135.5	382.5	753.0	2.53E+13	1133.8	378.9	754.9	2.05E+11	1342.4	820.1	522.3	50.4	-16.7	67.1	50.4	-17.2	67.6	47.6	46.9	0.7
-50° to -40°	3.14E+13	1148.1	899.0	249.1	3.04E+13	1151.2	903.8	247.5	9.86E+11	1050.3	750.8	299.5	33.9	75.6	-41.7	35.0	76.7	-41.7	0.2	42.6	-42.3
-40° to -30°	3.64E+13	921.4	1508.8	-587.4	3.21E+13	954.3	1594.1	-639.7	4.23E+12	671.2	861.5	-190.3	6.7	55.4	-48.7	6.1	59.1	-52.9	10.9	27.6	-16.7
-30° to -20°	4.02E+13	936.4	1721.4	-785.1	3.10E+13	963.8	1998.7	-1034.9	9.22E+12	844.2	788.6	55.6	3.5	32.7	-29.2	1.3	40.4	-39.0	10.8	6.9	3.8
-20° to -10°	4.29E+13	1891.9	1741.2	150.7	3.34E+13	2013.8	1944.3	69.5	9.45E+12	1460.4	1022.8	437.7	48.0	47.5	0.5	48.3	53.7	-5.4	46.8	25.7	21.1
-10° to 0°	4.42E+13	1753.3	1580.7	172.6	3.40E+13	1739.0	1679.2	59.7	1.02E+13	1801.2	1250.8	550.4	58.4	38.9	19.5	52.9	38.8	14.2	77.0	39.5	37.5
0° to 10°	4.42E+13	1645.9	1525.4	120.5	3.43E+13	1656.8	1651.1	5.7	9.90E+12	1608.2	1089.6	518.6	34.6	39.1	-4.5	39.9	39.7	0.2	16.3	37.3	-21.0
10° to 20°	4.29E+13	1593.1	1693.8	-100.7	3.18E+13	1871.5	2004.6	-133.1	1.11E+13	797.3	805.5	-8.2	72.2	53.6	18.6	75.9	53.1	22.8	61.5	55.2	6.3
20° to 30°	4.02E+13	799.5	1410.9	-611.3	2.53E+13	977.3	1949.2	-971.9	1.49E+13	497.4	496.0	1.4	11.6	44.0	-32.4	-2.4	51.9	-54.3	35.5	30.6	4.9
30° to 40°	3.64E+13	897.8	1166.3	-268.5	2.08E+13	1047.9	1593.3	-545.4	1.55E+13	696.3	593.1	103.2	12.8	56.9	-44.2	2.6	70.6	-67.9	26.4	38.6	-12.2
40° to 50°	3.14E+13	939.3	721.0	218.2	1.46E+13	1239.8	900.4	339.4	1.68E+13	678.7	565.5	113.2	39.8	43.6	-3.7	35.1	36.4	-1.4	43.9	49.7	-5.8
50° to 60°	2.55E+13	960.2	489.7	470.5	1.03E+13	1207.8	596.7	611.2	1.52E+13	792.4	417.2	375.2	61.1	27.6	33.5	40.0	-0.5	40.5	75.5	46.6	28.8
60° to 70°	1.88E+13	694.0	247.9	446.1	4.58E+12	938.2	474.8	463.4	1.42E+13	615.1	174.6	440.5	83.3	31.1	52.2	92.2	73.3	18.9	80.4	17.4	63.0
70° to 80°	1.15E+13	355.7	110.6	245.1	7.55E+12	370.1	135.5	234.6	3.93E+12	328.1	62.9	265.2	59.8	25.1	34.7	62.0	35.7	26.3	55.5	4.7	50.9
80° to 90°	3.86E+12	238.6	35.7	202.9	3.46E+12	238.8	35.9	202.9	3.93E+11	237.0	34.0	203.0	42.8	-2.2	45.0	42.1	-2.4	44.5	49.5	-0.4	49.9

NCAR-PCM1_Set3

	2070 - 2099 (A2, Run3) E' = 0.979333												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1162.9	1162.9	0	3.60E+14	1300.0	1397.0	-97.1	1.49E+14	832.7	598.9	233.8	40.3	40.3	0.0	35.1	43.1	-8.0	52.9	33.7	19.2
-90° to -80°	3.86E+12	118.3	-4.3	122.6	3.58E+03	171.8	-4.0	175.8	3.86E+12	118.3	-4.3	122.6	22.2	-0.8	23.1	94.5	1.1	93.4	22.2	-0.8	23.1
-80° to -70°	1.15E+13	306.0	39.5	266.5	3.75E+12	525.1	121.5	403.6	7.73E+12	199.6	-0.3	199.9	42.7	7.9	34.8	68.9	25.5	43.4	29.9	-0.7	30.6
-70° to -60°	1.88E+13	804.0	215.0	589.0	1.71E+13	836.8	232.2	604.6	1.62E+12	456.8	32.5	424.3	68.0	-4.6	72.6	68.8	-5.0	73.8	59.2	-0.3	59.5
-60° to -50°	2.55E+13	1147.9	378.5	769.5	2.53E+13	1146.4	374.9	771.5	2.05E+11	1339.5	823.5	516.0	62.8	-20.7	83.5	63.0	-21.3	84.2	44.7	50.3	-5.6
-50° to -40°	3.14E+13	1144.0	890.2	253.8	3.04E+13	1147.3	894.8	252.5	9.86E+11	1043.2	748.7	294.5	29.9	66.9	-37.0	31.1	67.7	-36.6	-6.9	40.5	-47.3
-40° to -30°	3.64E+13	903.0	1514.3	-611.3	3.21E+13	935.5	1601.0	-665.5	4.23E+12	656.1	856.0	-199.9	-11.7	60.8	-72.6	-12.7	66.0	-78.7	-4.2	22.2	-26.4
-30° to -20°	4.02E+13	937.8	1730.6	-792.8	3.10E+13	964.0	2008.3	-1044.2	9.22E+12	849.4	796.0	53.4	4.9	41.8	-36.9	1.6	50.0	-48.4	16.0	14.3	1.7
-20° to -10°	4.29E+13	1905.3	1745.6	159.7	3.34E+13	2028.7	1951.6	77.1	9.45E+12	1468.9	1017.0	451.9	61.5	51.9	9.5	63.2	61.0	2.2	55.3	19.9	35.3
-10° to 0°	4.42E+13	1774.2	1581.5	192.7	3.40E+13	1753.8	1679.3	74.5	1.02E+13	1842.4	1254.2	588.2	79.3	39.7	39.6	67.7	38.8	29.0	118.2	42.9	75.3
0° to 10°	4.42E+13	1654.9	1519.6	135.4	3.43E+13	1657.1	1641.9	15.2	9.90E+12	1647.3	1095.5	551.8	43.6	33.3	10.3	40.2	30.4	9.8	55.4	43.2	12.2
10° to 20°	4.29E+13	1583.5	1698.4	-114.9	3.18E+13	1858.8	2009.1	-150.4	1.11E+13	796.6	810.0	-13.4	62.5	58.1	4.4	63.2	57.6	5.5	60.8	59.6	1.1
20° to 30°	4.02E+13	789.9	1417.2	-627.3	2.53E+13	964.7	1957.6	-992.9	1.49E+13	492.9	498.9	-6.0	2.0	50.4	-48.3	-15.1	60.2	-75.3	31.1	33.6	-2.5
30° to 40°	3.64E+13	891.5	1169.2	-277.7	2.08E+13	1035.1	1598.0	-562.9	1.55E+13	698.7	593.5	105.2	6.5	59.8	-53.3	-10.1	75.3	-85.4	28.8	39.1	-10.3
40° to 50°	3.14E+13	937.0	720.7	216.3	1.46E+13	1229.4	896.8	332.6	1.68E+13	683.5	568.1	115.4	37.5	43.2	-5.7	24.7	32.8	-8.1	48.7	52.3	-3.6
50° to 60°	2.55E+13	953.5	487.8	465.6	1.03E+13	1191.9	586.6	605.3	1.52E+13	791.9	420.9	371.0	54.4	25.7	28.7	24.1	-10.6	34.7	75.0	50.3	24.6
60° to 70°	1.88E+13	701.8	249.3	452.5	4.58E+12	947.6	471.8	475.8	1.42E+13	622.5	177.5	444.9	91.1	32.5	58.6	101.6	70.4	31.2	87.7	20.3	67.4
70° to 80°	1.15E+13	371.8	112.7	259.1	7.55E+12	386.1	138.7	247.4	3.93E+12	344.4	62.8	281.6	75.9	27.1	48.8	78.1	38.9	39.2	71.8	4.5	67.3
80° to 90°	3.86E+12	240.1	36.2	204.0	3.46E+12	240.9	36.3	204.6	3.93E+11	233.2	34.6	198.6	44.3	-1.8	46.1	44.2	-2.0	46.2	45.8	0.2	45.6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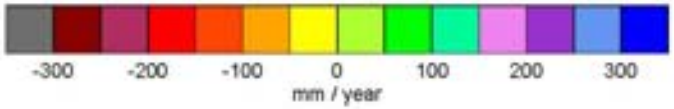
mm / year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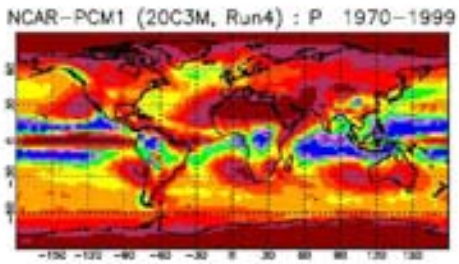
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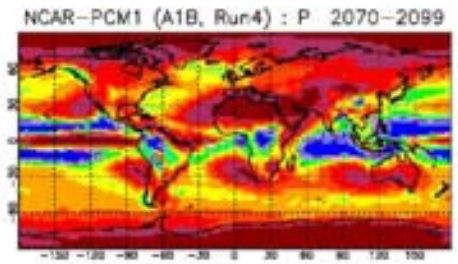
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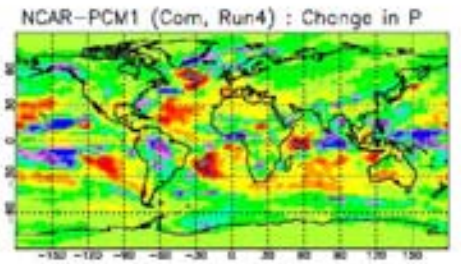
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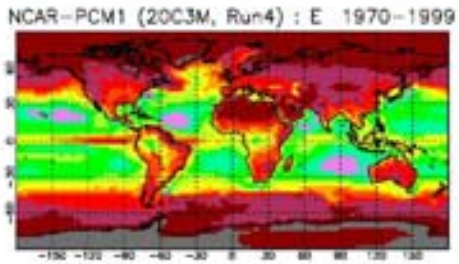
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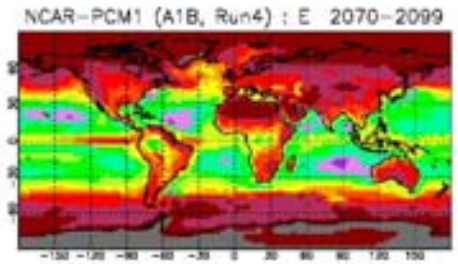
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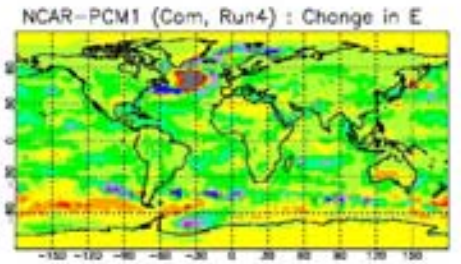
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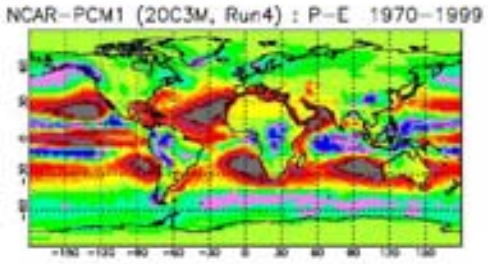
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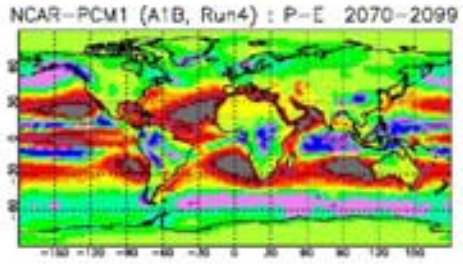
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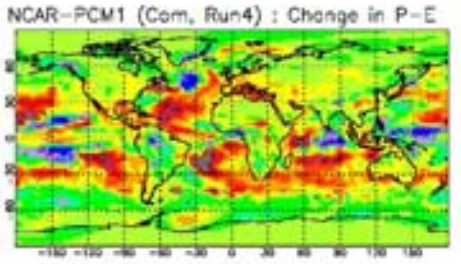
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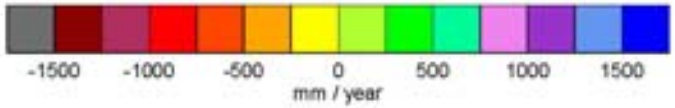
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500
1000
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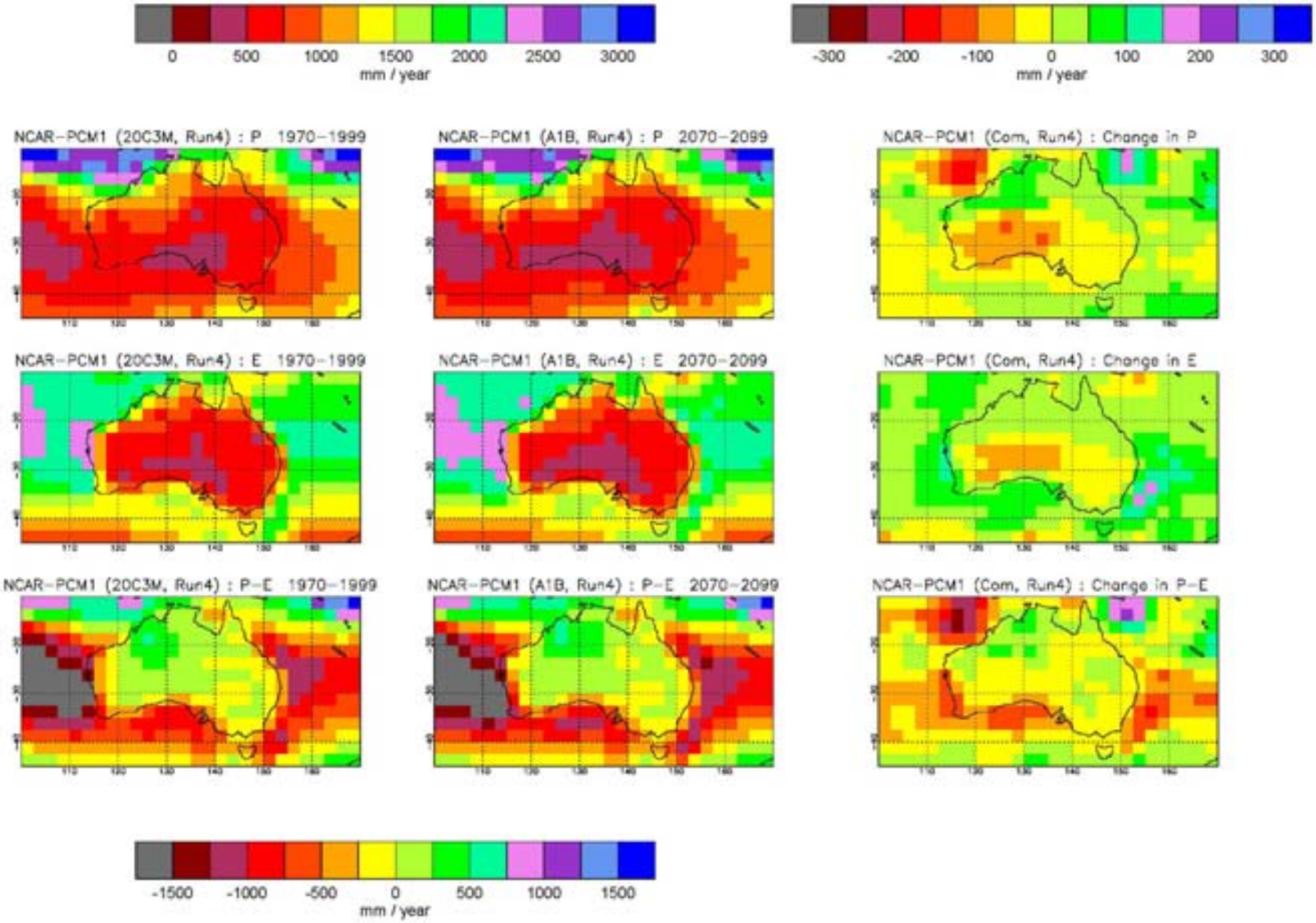
mm / year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mm / year
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mm / year
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NCAR-PCM1 (A1B, Run4) : P 2070-2099
NCAR-PCM1 (Com, Run4) : Change in P
NCAR-PCM1 (20C3M, Run4) : E 1970-1999
NCAR-PCM1 (A1B, Run4) : E 2070-2099
NCAR-PCM1 (Com, Run4) : Change in E
NCAR-PCM1 (20C3M, Run4) : P-E 1970-1999
NCAR-PCM1 (A1B, Run4) : P-E 2070-2099
NCAR-PCM1 (Com, Run4) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

NCAR-PCM1_Set4

Region	1970 - 1999 (20C3M, Run4)				2070 - 2099 (A1B, Run4)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.49E+14	779.1	564.3	214.9	1.49E+14	826.6	595.1	231.5	47.5	30.8	16.7
Australia	7.70E+12	782.6	791.2	-8.6	7.70E+12	774.0	790.6	-16.6	-8.6	-0.6	-8.0
New Zealand	2.19E+11	1171.5	957.4	214.0	2.19E+11	1245.6	1014.5	231.0	74.1	57.1	17.0
South America	1.79E+13	1354.5	965.0	389.5	1.79E+13	1439.1	1006.6	432.5	84.6	41.6	43.0
North America	2.53E+13	708.7	449.6	259.0	2.53E+13	764.3	482.3	282.0	55.6	32.6	23.0
Europe	6.88E+12	761.1	587.2	173.8	6.88E+12	778.5	629.5	149.0	17.4	42.3	-24.9
Africa	2.96E+13	919.5	711.7	207.8	2.96E+13	956.0	742.8	213.3	36.5	31.1	5.5
Middle East	4.84E+12	103.7	363.8	-260.1	4.84E+12	134.6	404.6	-270.0	31.0	40.8	-9.8
Asia	3.88E+13	646.4	412.2	234.2	3.88E+13	703.5	449.9	253.6	57.1	37.7	19.4
Southeast Asia	4.05E+12	1601.8	1310.7	291.2	4.05E+12	1644.3	1344.3	299.9	42.4	33.7	8.8
Antarctica	1.32E+13	175.7	2.6	173.1	1.32E+13	207.0	1.6	205.5	31.3	-1.0	32.3

NCAR-PCM1_Set4

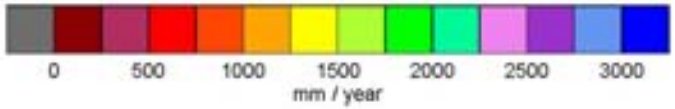
	1970 - 1999 (20C3M, Run4) E' = 0.981488											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1123.4	1123.4	0	3.60E+14	1266.3	1355.6	-89.2	1.49E+14	779.1	564.3	214.9
-90° to -80°	3.86E+12	97.1	-3.3	100.4	3.58E+03	111.6	-4.0	115.7	3.86E+12	97.1	-3.3	100.4
-80° to -70°	1.15E+13	262.0	29.5	232.5	3.75E+12	455.3	90.1	365.2	7.73E+12	168.2	0.1	168.1
-70° to -60°	1.88E+13	747.5	218.6	528.9	1.71E+13	779.9	236.4	543.5	1.62E+12	405.2	30.9	374.4
-60° to -50°	2.55E+13	1085.5	401.8	683.6	2.53E+13	1083.7	398.6	685.1	2.05E+11	1301.2	799.6	501.6
-50° to -40°	3.14E+13	1111.0	851.3	259.7	3.04E+13	1113.4	855.5	257.9	9.86E+11	1036.5	722.5	314.1
-40° to -30°	3.64E+13	926.3	1456.0	-529.7	3.21E+13	961.1	1538.3	-577.2	4.23E+12	661.9	830.9	-169.0
-30° to -20°	4.02E+13	945.8	1680.2	-734.4	3.10E+13	983.8	1949.1	-965.3	9.22E+12	818.1	775.4	42.7
-20° to -10°	4.29E+13	1868.2	1691.6	176.6	3.34E+13	1994.5	1888.9	105.7	9.45E+12	1421.3	993.6	427.7
-10° to 0°	4.42E+13	1686.8	1545.1	141.7	3.40E+13	1674.4	1644.1	30.4	1.02E+13	1728.2	1213.8	514.4
0° to 10°	4.42E+13	1572.3	1489.0	83.4	3.43E+13	1575.5	1615.3	-39.8	9.90E+12	1561.1	1051.0	510.1
10° to 20°	4.29E+13	1535.7	1631.8	-96.1	3.18E+13	1817.0	1941.0	-124.0	1.11E+13	731.6	747.7	-16.1
20° to 30°	4.02E+13	791.9	1365.3	-573.4	2.53E+13	979.7	1892.9	-913.1	1.49E+13	472.7	468.7	4.0
30° to 40°	3.64E+13	877.3	1115.3	-238.0	2.08E+13	1032.2	1533.0	-500.8	1.55E+13	669.3	554.5	114.8
40° to 50°	3.14E+13	894.4	677.0	217.4	1.46E+13	1192.6	863.6	328.9	1.68E+13	636.0	515.2	120.8
50° to 60°	2.55E+13	903.3	459.6	443.7	1.03E+13	1169.2	590.9	578.3	1.52E+13	723.1	370.6	352.5
60° to 70°	1.88E+13	609.9	213.7	396.2	4.58E+12	836.6	402.4	434.2	1.42E+13	536.7	152.8	383.9
70° to 80°	1.15E+13	294.1	82.7	211.4	7.55E+12	306.5	97.0	209.4	3.93E+12	270.4	55.3	215.1
80° to 90°	3.86E+12	196.3	37.5	158.7	3.46E+12	197.0	38.1	158.9	3.93E+11	189.8	33.0	156.8

NCAR-PCM1_Set4

	2070 - 2099 (A1B, Run4) E' = 0.979567												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1161.3	1161.3	0	3.60E+14	1300.2	1396.4	-96.1	1.49E+14	826.6	595.1	231.5	37.9	37.9	0.0	33.9	40.8	-6.9	47.5	30.8	16.7
-90° to -80°	3.86E+12	120.0	-4.7	124.7	3.58E+03	120.2	-4.6	124.8	3.86E+12	120.0	-4.7	124.7	22.9	-1.4	24.3	8.6	-0.5	9.1	22.9	-1.4	24.3
-80° to -70°	1.15E+13	304.9	40.0	264.9	3.75E+12	524.3	123.5	400.8	7.73E+12	198.4	-0.6	199.0	42.9	10.4	32.4	69.0	33.4	35.6	30.2	-0.7	30.9
-70° to -60°	1.88E+13	797.0	220.1	576.9	1.71E+13	828.6	238.1	590.5	1.62E+12	462.6	29.5	433.2	49.5	1.5	48.1	48.8	1.7	47.0	57.4	-1.4	58.8
-60° to -50°	2.55E+13	1132.7	383.8	749.0	2.53E+13	1131.1	380.2	750.9	2.05E+11	1333.7	824.8	508.9	47.3	-18.0	65.3	47.4	-18.4	65.8	32.5	25.2	7.2
-50° to -40°	3.14E+13	1162.0	902.1	259.9	3.04E+13	1165.7	907.2	258.4	9.86E+11	1048.6	744.1	304.5	51.0	50.8	0.2	52.3	51.7	0.5	12.1	21.7	-9.6
-40° to -30°	3.64E+13	913.8	1505.0	-591.2	3.21E+13	945.9	1590.4	-644.4	4.23E+12	669.8	856.6	-186.8	-12.4	49.0	-61.5	-15.1	52.1	-67.2	7.9	25.6	-17.7
-30° to -20°	4.02E+13	940.9	1726.7	-785.8	3.10E+13	965.2	2004.1	-1039.0	9.22E+12	859.2	793.2	66.0	-4.9	46.5	-51.4	-18.6	55.0	-73.6	41.1	17.8	23.3
-20° to -10°	4.29E+13	1895.3	1742.9	152.4	3.34E+13	2012.3	1945.4	66.9	9.45E+12	1481.2	1026.4	454.8	27.1	51.3	-24.2	17.8	56.5	-38.7	59.9	32.8	27.0
-10° to 0°	4.42E+13	1756.2	1582.3	173.9	3.40E+13	1741.6	1681.3	60.4	1.02E+13	1804.7	1250.9	553.9	69.4	37.2	32.2	67.2	37.2	30.0	76.6	37.1	39.5
0° to 10°	4.42E+13	1646.0	1526.2	119.8	3.43E+13	1652.5	1653.1	-0.6	9.90E+12	1623.4	1086.1	537.2	73.6	37.2	36.4	76.9	37.8	39.1	62.2	35.1	27.1
10° to 20°	4.29E+13	1589.0	1690.0	-101.1	3.18E+13	1871.6	2001.4	-129.7	1.11E+13	781.0	800.1	-19.1	53.3	58.3	-5.0	54.6	60.3	-5.7	49.4	52.5	-3.0
20° to 30°	4.02E+13	797.8	1410.6	-612.8	2.53E+13	977.5	1950.4	-972.9	1.49E+13	492.6	493.4	-0.9	6.0	45.4	-39.4	-2.2	57.5	-59.8	19.9	24.8	-4.9
30° to 40°	3.64E+13	895.1	1168.3	-273.1	2.08E+13	1040.0	1598.9	-558.9	1.55E+13	700.5	590.0	110.5	17.8	52.9	-35.1	7.8	65.9	-58.1	31.2	35.5	-4.3
40° to 50°	3.14E+13	933.8	712.1	221.7	1.46E+13	1228.3	884.7	343.6	1.68E+13	678.5	562.5	116.0	39.4	35.2	4.2	35.7	21.1	14.6	42.5	47.4	-4.8
50° to 60°	2.55E+13	956.6	483.5	473.1	1.03E+13	1203.8	585.7	618.1	1.52E+13	789.1	414.2	374.9	53.3	23.9	29.4	34.6	-5.2	39.8	66.0	43.6	22.4
60° to 70°	1.88E+13	689.9	245.2	444.7	4.58E+12	942.2	467.5	474.8	1.42E+13	608.5	173.4	435.1	80.0	31.5	48.6	105.6	65.0	40.6	71.8	20.6	51.1
70° to 80°	1.15E+13	355.9	111.7	244.2	7.55E+12	372.9	137.2	235.7	3.93E+12	323.4	62.8	260.6	61.9	29.0	32.8	66.5	40.2	26.2	53.0	7.5	45.5
80° to 90°	3.86E+12	240.8	35.2	205.6	3.46E+12	242.3	35.3	207.0	3.93E+11	228.2	34.4	193.8	44.6	-2.3	46.9	45.3	-2.8	48.0	38.4	1.5	37.0

NCAR-PCM1_Set4

	2070 - 2099 (A2, Run4) E' = 0.979308												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1164.2	1164.2	0	3.60E+14	1300.8	1397.8	-97.0	1.49E+14	835.1	601.5	233.7	40.8	40.8	0.0	34.4	42.2	-7.8	56.0	37.2	18.8
-90° to -80°	3.86E+12	115.6	-4.1	119.7	3.58E+03	60.1	-6.7	66.8	3.86E+12	115.6	-4.1	119.7	18.5	-0.8	19.3	-51.5	-2.7	-48.8	18.5	-0.8	19.3
-80° to -70°	1.15E+13	309.6	40.8	268.9	3.75E+12	530.9	125.7	405.2	7.73E+12	202.2	-0.5	202.7	47.6	11.2	36.4	75.6	35.6	40.0	34.0	-0.6	34.6
-70° to -60°	1.88E+13	817.2	216.9	600.3	1.71E+13	850.1	234.5	615.6	1.62E+12	469.4	30.6	438.8	69.7	-1.7	71.5	70.3	-1.9	72.1	64.1	-0.3	64.4
-60° to -50°	2.55E+13	1147.3	377.9	769.4	2.53E+13	1145.6	374.2	771.4	2.05E+11	1357.9	836.9	521.0	61.9	-23.9	85.8	61.9	-24.4	86.3	56.7	37.3	19.3
-50° to -40°	3.14E+13	1142.7	910.4	232.3	3.04E+13	1146.2	915.4	230.8	9.86E+11	1033.1	755.4	277.7	31.7	59.1	-27.4	32.8	59.9	-27.1	-3.4	32.9	-36.4
-40° to -30°	3.64E+13	910.0	1515.1	-605.0	3.21E+13	941.2	1600.5	-659.3	4.23E+12	673.7	866.9	-193.2	-16.2	59.1	-75.3	-19.9	62.2	-82.1	11.8	35.9	-24.1
-30° to -20°	4.02E+13	938.6	1730.6	-792.0	3.10E+13	959.6	2004.6	-1045.0	9.22E+12	867.9	808.4	59.5	-7.2	50.4	-57.6	-24.1	55.5	-79.7	49.8	33.0	16.8
-20° to -10°	4.29E+13	1912.2	1741.5	170.7	3.34E+13	2037.0	1946.2	90.8	9.45E+12	1470.4	1017.2	453.2	44.0	49.9	-5.9	42.5	57.3	-14.8	49.1	23.6	25.4
-10° to 0°	4.42E+13	1768.5	1579.8	188.8	3.40E+13	1747.8	1677.1	70.7	1.02E+13	1838.0	1254.3	583.7	81.8	34.7	47.0	73.4	33.0	40.4	109.8	40.5	69.3
0° to 10°	4.42E+13	1646.9	1524.1	122.8	3.43E+13	1644.5	1646.3	-1.8	9.90E+12	1655.2	1100.5	554.6	74.6	35.1	39.4	68.9	31.0	38.0	94.0	49.5	44.5
10° to 20°	4.29E+13	1589.4	1697.7	-108.3	3.18E+13	1866.4	2007.5	-141.1	1.11E+13	797.7	812.0	-14.4	53.7	65.9	-12.2	49.4	66.5	-17.1	66.1	64.4	1.7
20° to 30°	4.02E+13	798.8	1414.7	-615.9	2.53E+13	973.6	1951.4	-977.8	1.49E+13	501.8	502.7	-0.9	6.9	49.4	-42.5	-6.1	58.5	-64.6	29.1	34.0	-4.9
30° to 40°	3.64E+13	884.5	1166.3	-281.8	2.08E+13	1023.0	1594.2	-571.2	1.55E+13	698.5	591.9	106.6	7.2	51.0	-43.8	-9.2	61.1	-70.4	29.2	37.4	-8.2
40° to 50°	3.14E+13	924.6	725.9	198.8	1.46E+13	1226.1	909.0	317.1	1.68E+13	663.4	567.2	96.2	30.2	48.9	-18.7	33.5	45.4	-11.9	27.4	52.0	-24.6
50° to 60°	2.55E+13	964.0	491.1	472.9	1.03E+13	1208.4	582.1	626.3	1.52E+13	798.4	429.4	368.9	60.7	31.5	29.2	39.2	-8.8	48.1	75.2	58.8	16.4
60° to 70°	1.88E+13	714.6	248.2	466.3	4.58E+12	962.9	467.9	495.0	1.42E+13	634.4	177.3	457.0	104.6	34.5	70.1	126.3	65.5	60.8	97.6	24.5	73.1
70° to 80°	1.15E+13	369.6	114.2	255.4	7.55E+12	385.0	141.4	243.6	3.93E+12	340.2	62.1	278.1	75.6	31.5	44.0	78.5	44.4	34.1	69.8	6.8	63.0
80° to 90°	3.86E+12	241.2	35.4	205.8	3.46E+12	241.9	35.4	206.5	3.93E+11	235.0	35.1	199.9	44.9	-2.2	47.1	44.9	-2.7	47.5	45.2	2.2	43.0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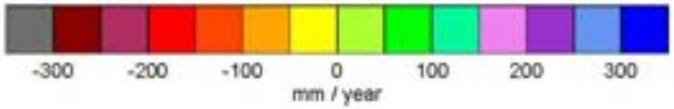
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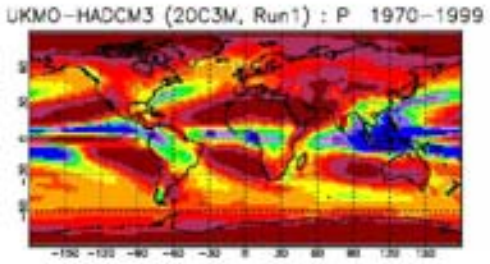
mm / year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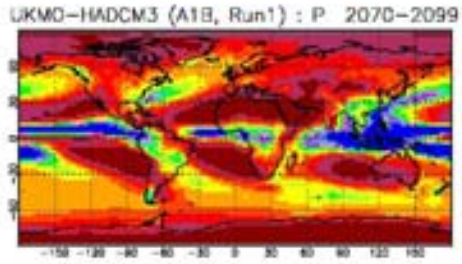
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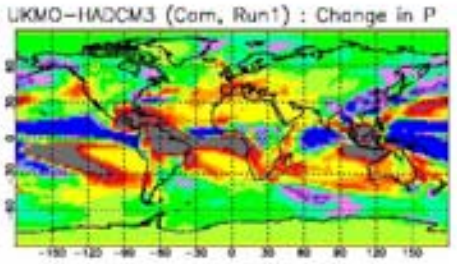
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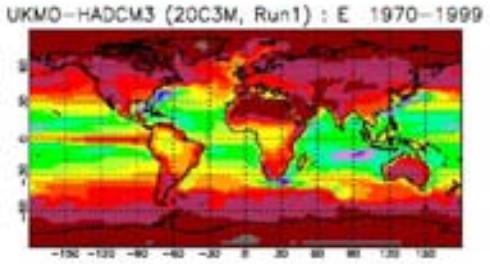
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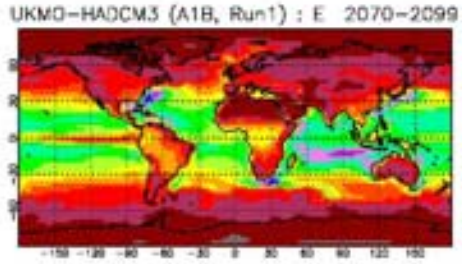
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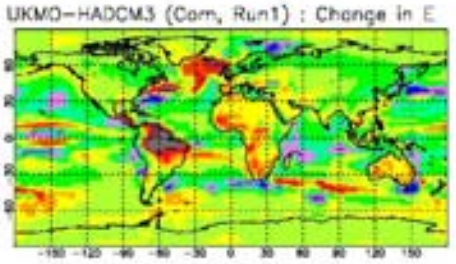
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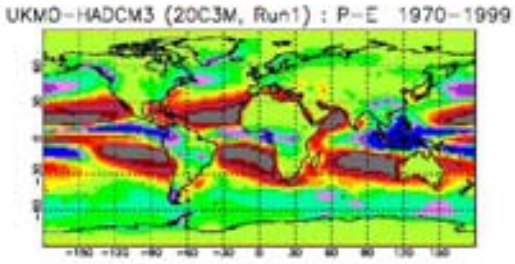
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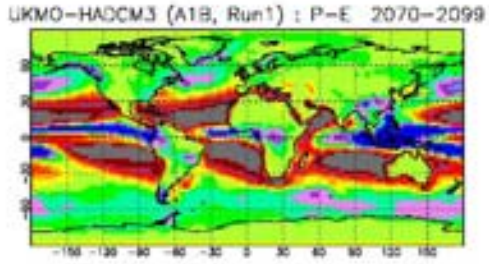
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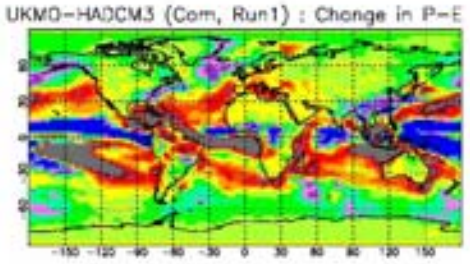
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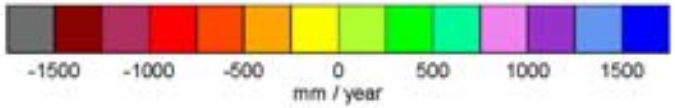
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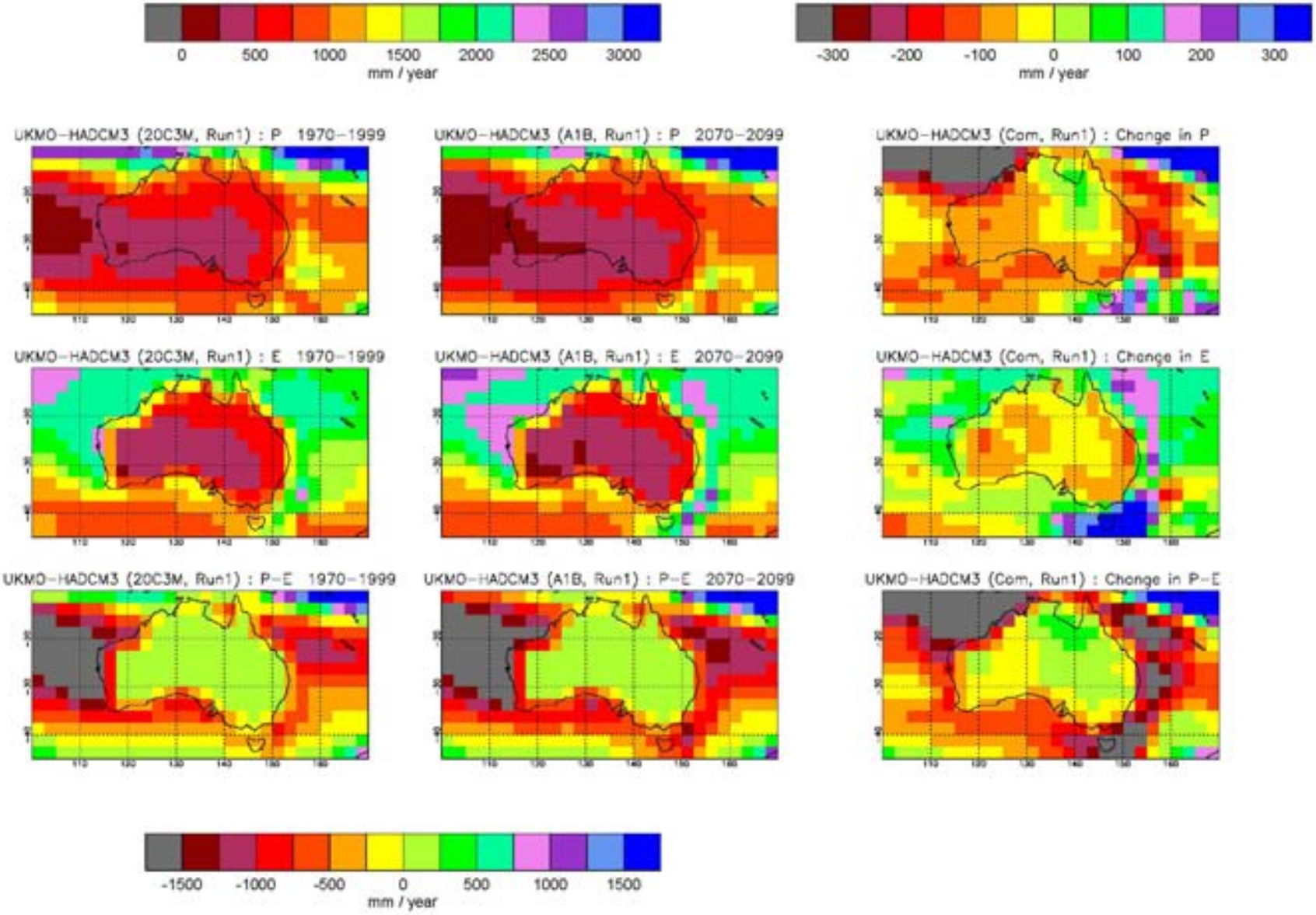
mm / year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mm / year
UKMO-HADCM3 (20C3M, Run1) : P 1970-1999
UKMO-HADCM3 (A1B, Run1) : P 2070-2099
UKMO-HADCM3 (Com, Run1) : Change in P
UKMO-HADCM3 (20C3M, Run1) : E 1970-1999
UKMO-HADCM3 (A1B, Run1) : E 2070-2099
UKMO-HADCM3 (Com, Run1) : Change in E
UKMO-HADCM3 (20C3M, Run1) : P-E 1970-1999
UKMO-HADCM3 (A1B, Run1) : P-E 2070-2099
UKMO-HADCM3 (Com, Run1) : Change in P-E
-1500 -1000 -500 0 500 1000 1500
mm / year

UKMO-HADCM3_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	776.0	559.1	217.0	1.47E+14	788.6	547.5	241.2	12.6	-11.6	24.2
Australia	7.47E+12	597.3	638.6	-41.3	7.47E+12	541.5	598.1	-56.6	-55.8	-40.5	-15.3
New Zealand	2.46E+11	1422.3	946.7	475.6	2.46E+11	1495.6	965.1	530.5	73.3	18.4	54.8
South America	1.79E+13	1374.9	994.8	380.1	1.79E+13	1177.8	848.8	329.0	-197.1	-146.0	-51.0
North America	2.40E+13	733.0	473.2	259.8	2.40E+13	800.7	497.5	303.1	67.7	24.4	43.3
Europe	6.24E+12	765.4	513.7	251.8	6.24E+12	723.7	511.0	212.7	-41.8	-2.7	-39.1
Africa	2.94E+13	851.4	710.7	140.7	2.94E+13	846.9	676.5	170.5	-4.4	-34.3	29.8
Middle East	4.89E+12	108.8	234.2	-125.5	4.89E+12	95.9	230.9	-134.9	-12.9	-3.4	-9.5
Asia	3.82E+13	595.8	402.3	193.4	3.82E+13	693.9	447.0	246.8	98.1	44.7	53.4
Southeast Asia	4.14E+12	2365.1	1365.0	1000.1	4.14E+12	2444.9	1347.1	1097.8	79.8	-17.9	97.7
Antarctica	1.35E+13	194.6	23.5	171.1	1.35E+13	219.7	26.0	193.6	25.0	2.5	22.6

UKMO-HADCM3_Set1

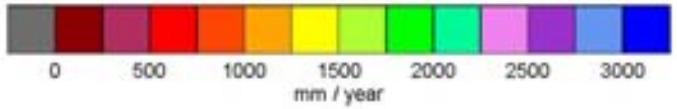
	1970 - 1999 (20C3M, Run1) E' = 0.98053											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1064.2	1064.2	0	3.62E+14	1181.5	1269.9	-88.3	1.47E+14	776.0	559.1	217.0
-90° to -80°	3.86E+12	74.9	5.1	69.9	3.58E+03	120.2	14.8	105.5	3.86E+12	74.9	5.1	69.9
-80° to -70°	1.15E+13	279.1	58.3	220.8	3.58E+12	476.7	140.9	335.8	7.90E+12	189.5	20.9	168.6
-70° to -60°	1.88E+13	739.2	247.9	491.3	1.70E+13	766.7	266.0	500.7	1.79E+12	479.3	77.1	402.2
-60° to -50°	2.55E+13	1054.0	468.8	585.2	2.53E+13	1052.1	468.2	584.0	1.76E+11	1329.3	564.1	765.2
-50° to -40°	3.14E+13	1099.2	782.3	317.0	3.05E+13	1098.3	788.5	309.8	8.77E+11	1131.0	564.2	566.8
-40° to -30°	3.64E+13	898.5	1211.8	-313.3	3.21E+13	941.8	1285.9	-344.1	4.24E+12	570.1	650.7	-80.6
-30° to -20°	4.02E+13	738.6	1421.3	-682.7	3.10E+13	725.9	1629.1	-903.1	9.27E+12	781.0	726.8	54.2
-20° to -10°	4.29E+13	1260.8	1711.6	-450.8	3.36E+13	1262.4	1923.2	-660.8	9.32E+12	1254.8	949.4	305.4
-10° to 0°	4.42E+13	1803.5	1591.6	211.9	3.43E+13	1808.6	1697.5	111.0	9.96E+12	1786.0	1226.9	559.1
0° to 10°	4.42E+13	2284.9	1578.9	706.0	3.42E+13	2467.1	1703.1	764.0	1.00E+13	1665.6	1156.5	509.1
10° to 20°	4.29E+13	930.9	1564.2	-633.3	3.13E+13	1001.9	1881.3	-879.4	1.16E+13	739.2	708.3	30.9
20° to 30°	4.02E+13	684.9	1167.7	-482.8	2.50E+13	770.9	1603.7	-832.8	1.52E+13	543.5	450.8	92.7
30° to 40°	3.64E+13	965.5	972.1	-6.6	2.10E+13	1202.9	1304.4	-101.5	1.53E+13	639.7	516.1	123.6
40° to 50°	3.14E+13	904.8	554.9	349.9	1.51E+13	1186.5	669.8	516.7	1.63E+13	644.4	448.7	195.7
50° to 60°	2.55E+13	779.5	439.7	339.8	1.08E+13	925.7	507.9	417.8	1.46E+13	671.2	389.1	282.1
60° to 70°	1.88E+13	575.1	293.9	281.2	5.63E+12	729.7	447.2	282.5	1.31E+13	508.8	228.1	280.7
70° to 80°	1.15E+13	313.3	135.6	177.7	8.10E+12	334.0	157.1	176.9	3.38E+12	263.9	84.2	179.6
80° to 90°	3.86E+12	216.5	60.6	155.9	3.53E+12	219.7	63.8	155.9	3.26E+11	182.6	26.7	155.9

UKMO-HADCM3_Set1

	2070 - 2099 (A1B, Run1) E' = 0.978064												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1094.8	1094.8	0	3.62E+14	1219.5	1317.6	-98.2	1.47E+14	788.6	547.5	241.2	30.6	30.6	0.0	37.9	47.8	-9.9	12.6	-11.6	24.2
-90° to -80°	3.86E+12	88.5	5.6	82.9	3.58E+03	94.5	14.5	80.0	3.86E+12	88.5	5.6	82.9	13.6	0.6	13.0	-25.8	-0.3	-25.5	13.6	0.6	13.0
-80° to -70°	1.15E+13	309.4	63.8	245.6	3.58E+12	528.5	151.9	376.6	7.90E+12	210.1	23.9	186.2	30.3	5.5	24.8	51.8	11.0	40.8	20.6	3.0	17.6
-70° to -60°	1.88E+13	821.1	245.3	575.8	1.70E+13	849.8	262.6	587.2	1.79E+12	549.2	81.2	468.0	81.8	-2.7	84.5	83.1	-3.4	86.5	69.9	4.1	65.8
-60° to -50°	2.55E+13	1147.6	473.4	674.2	2.53E+13	1145.6	472.6	673.0	1.76E+11	1425.7	584.3	841.4	93.6	4.6	89.0	93.5	4.5	89.1	96.3	20.2	76.2
-50° to -40°	3.14E+13	1153.3	812.7	340.5	3.05E+13	1153.2	819.6	333.7	8.77E+11	1153.8	574.9	578.8	54.0	30.5	23.6	54.9	31.0	23.9	22.7	10.7	12.0
-40° to -30°	3.64E+13	872.6	1255.7	-383.1	3.21E+13	916.9	1336.6	-419.7	4.24E+12	536.8	643.1	-106.3	-25.9	43.9	-69.8	-24.9	50.7	-75.6	-33.3	-7.6	-25.7
-30° to -20°	4.02E+13	687.3	1448.4	-761.1	3.10E+13	670.1	1676.1	-1005.9	9.27E+12	744.7	687.4	57.3	-51.3	27.1	-78.4	-55.8	47.0	-102.8	-36.3	-39.4	3.1
-20° to -10°	4.29E+13	1101.2	1750.0	-648.7	3.36E+13	1087.6	1990.9	-903.3	9.32E+12	1150.4	882.4	267.9	-159.6	38.4	-198.0	-174.9	67.7	-242.5	-104.5	-67.0	-37.5
-10° to 0°	4.42E+13	1756.0	1609.6	146.4	3.43E+13	1789.9	1767.1	22.8	9.96E+12	1639.6	1067.7	571.9	-47.4	18.1	-65.5	-18.7	69.6	-88.3	-146.3	-159.2	12.8
0° to 10°	4.42E+13	2526.9	1599.1	927.8	3.42E+13	2791.2	1754.5	1036.7	1.00E+13	1628.3	1070.8	557.6	242.0	20.2	221.8	324.1	51.4	272.8	-37.3	-85.8	48.5
10° to 20°	4.29E+13	986.4	1590.5	-604.0	3.13E+13	1089.9	1932.0	-842.1	1.16E+13	707.1	668.6	38.5	55.5	26.3	29.3	88.0	50.7	37.3	-32.1	-39.7	7.6
20° to 30°	4.02E+13	694.3	1225.7	-531.4	2.50E+13	750.2	1694.8	-944.6	1.52E+13	602.3	454.4	147.9	9.4	58.0	-48.6	-20.7	91.1	-111.8	58.8	3.6	55.2
30° to 40°	3.64E+13	995.6	1028.8	-33.2	2.10E+13	1216.1	1390.2	-174.1	1.53E+13	692.8	532.6	160.3	30.1	56.6	-26.6	13.2	85.8	-72.6	53.1	16.5	36.6
40° to 50°	3.14E+13	954.0	589.5	364.5	1.51E+13	1256.3	710.1	546.2	1.63E+13	674.7	478.0	196.6	49.2	34.6	14.7	69.8	40.3	29.5	30.3	29.3	1.0
50° to 60°	2.55E+13	871.0	470.5	400.5	1.08E+13	1027.1	513.4	513.6	1.46E+13	755.5	438.7	316.8	91.5	30.8	60.7	101.3	5.5	95.8	84.3	49.6	34.7
60° to 70°	1.88E+13	672.7	323.6	349.0	5.63E+12	802.8	441.1	361.7	1.31E+13	616.8	273.2	343.6	97.5	29.7	67.8	73.1	-6.1	79.2	108.0	45.1	62.9
70° to 80°	1.15E+13	395.9	176.4	219.5	8.10E+12	420.4	206.5	214.0	3.38E+12	337.1	104.5	232.6	82.6	40.8	41.8	86.5	49.4	37.1	73.3	20.3	53.0
80° to 90°	3.86E+12	298.2	76.3	221.8	3.53E+12	298.9	79.9	218.9	3.26E+11	290.4	37.1	253.2	81.6	15.7	66.0	79.2	16.2	63.1	107.8	10.5	97.3

UKMO-HADCM3_Set1

	2070 - 2099 (A2, Run1) E' = 0.977774												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1094.6	1094.6	0	3.62E+14	1218.6	1319.9	-101.4	1.47E+14	790.2	541.2	249.0	30.4	30.4	0.0	37.0	50.1	-13.0	14.2	-17.8	32.0
-90° to -80°	3.86E+12	88.8	5.8	83.0	3.58E+03	94.5	6.3	88.2	3.86E+12	88.8	5.8	83.0	13.8	0.7	13.1	-25.8	-8.5	-17.3	13.8	0.7	13.1
-80° to -70°	1.15E+13	319.0	66.4	252.5	3.58E+12	547.6	159.1	388.4	7.90E+12	215.3	24.4	190.9	39.9	8.1	31.8	70.9	18.2	52.6	25.8	3.5	22.3
-70° to -60°	1.88E+13	838.3	249.4	588.9	1.70E+13	867.7	267.1	600.6	1.79E+12	560.3	82.6	477.7	99.1	1.5	97.6	101.0	1.1	99.9	81.0	5.5	75.5
-60° to -50°	2.55E+13	1171.5	471.5	699.9	2.53E+13	1169.9	470.8	699.1	1.76E+11	1393.0	580.1	812.9	117.4	2.7	114.7	117.8	2.6	115.2	63.7	16.0	47.7
-50° to -40°	3.14E+13	1152.5	823.6	328.9	3.05E+13	1153.0	830.7	322.4	8.77E+11	1133.4	576.6	556.7	53.3	41.3	12.0	54.7	42.1	12.6	2.3	12.4	-10.1
-40° to -30°	3.64E+13	862.2	1262.6	-400.4	3.21E+13	904.0	1343.0	-439.1	4.24E+12	545.7	653.0	-107.3	-36.3	50.8	-87.1	-37.9	57.2	-95.0	-24.3	2.3	-26.6
-30° to -20°	4.02E+13	700.1	1456.7	-756.6	3.10E+13	680.9	1686.3	-1005.3	9.27E+12	764.3	689.6	74.7	-38.5	35.5	-73.9	-45.0	57.2	-102.2	-16.7	-37.3	20.5
-20° to -10°	4.29E+13	1127.5	1753.3	-625.8	3.36E+13	1115.2	1995.6	-880.3	9.32E+12	1171.7	881.0	290.7	-133.3	41.8	-175.1	-147.2	72.3	-219.6	-83.1	-68.4	-14.7
-10° to 0°	4.42E+13	1768.3	1603.8	164.5	3.43E+13	1806.3	1765.9	40.4	9.96E+12	1637.6	1046.2	591.3	-35.2	12.3	-47.5	-2.3	68.3	-70.6	-148.4	-180.7	32.2
0° to 10°	4.42E+13	2526.5	1596.2	930.3	3.42E+13	2789.8	1757.3	1032.5	1.00E+13	1631.3	1048.6	582.7	241.6	17.3	224.2	322.7	54.2	268.5	-34.3	-108.0	73.6
10° to 20°	4.29E+13	942.2	1594.1	-651.8	3.13E+13	1026.2	1938.3	-912.1	1.16E+13	715.6	664.9	50.7	11.3	29.9	-18.5	24.3	57.0	-32.7	-23.5	-43.4	19.9
20° to 30°	4.02E+13	685.9	1222.5	-536.6	2.50E+13	733.8	1692.9	-959.1	1.52E+13	607.1	448.9	158.2	0.9	54.7	-53.8	-37.1	89.2	-126.3	63.5	-1.9	65.4
30° to 40°	3.64E+13	979.5	1014.2	-34.7	2.10E+13	1203.1	1375.9	-172.7	1.53E+13	672.5	517.6	154.9	14.0	42.0	-28.1	0.3	71.5	-71.3	32.8	1.6	31.2
40° to 50°	3.14E+13	949.8	583.6	366.3	1.51E+13	1257.6	707.2	550.3	1.63E+13	665.4	469.2	196.2	45.0	28.6	16.4	71.0	37.4	33.6	21.0	20.5	0.5
50° to 60°	2.55E+13	873.0	467.9	405.1	1.08E+13	1032.8	511.1	521.7	1.46E+13	754.6	435.9	318.7	93.4	28.2	65.2	107.0	3.1	103.9	83.4	46.8	36.6
60° to 70°	1.88E+13	674.3	321.5	352.8	5.63E+12	797.8	435.2	362.6	1.31E+13	621.2	272.7	348.6	99.1	27.6	71.5	68.1	-12.0	80.1	112.5	44.6	67.9
70° to 80°	1.15E+13	394.5	172.3	222.1	8.10E+12	416.5	199.7	216.8	3.38E+12	341.6	106.7	235.0	81.2	36.7	44.4	82.6	42.7	39.9	77.8	22.4	55.3
80° to 90°	3.86E+12	293.4	76.1	217.3	3.53E+12	294.7	79.6	215.1	3.26E+11	278.9	38.4	240.5	76.9	15.5	61.4	75.1	15.8	59.2	96.3	11.7	84.6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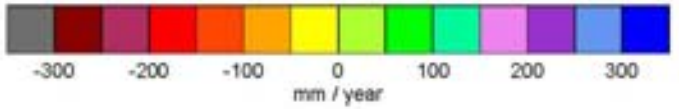
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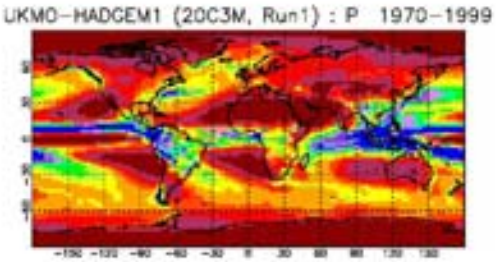
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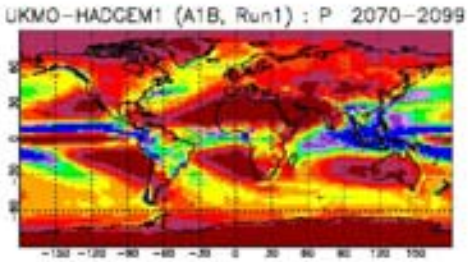
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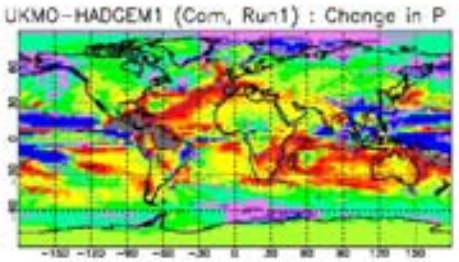
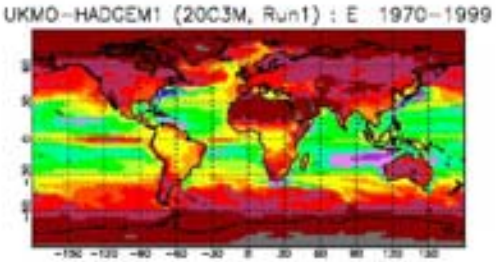

UKMO-HADGEM1 (Com, Run1) : Change in P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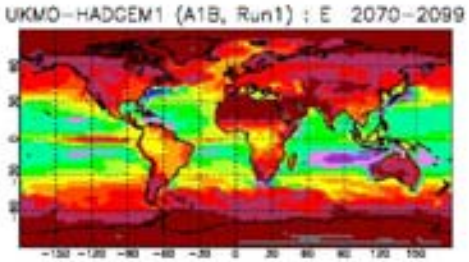
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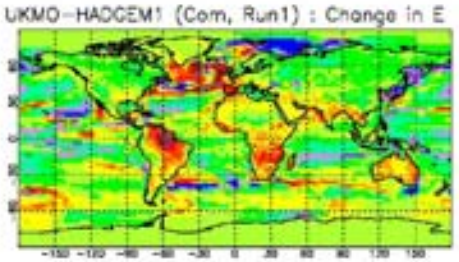
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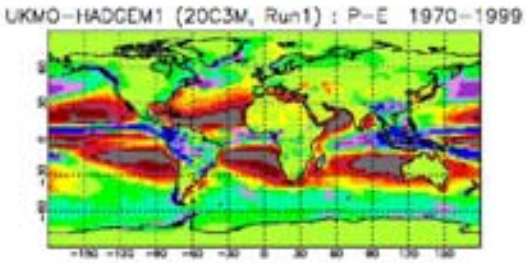
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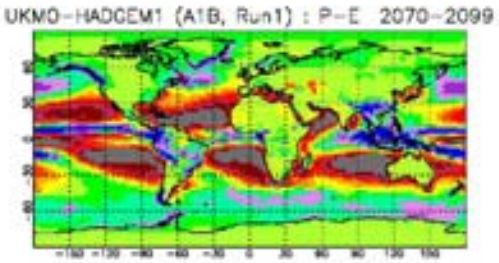
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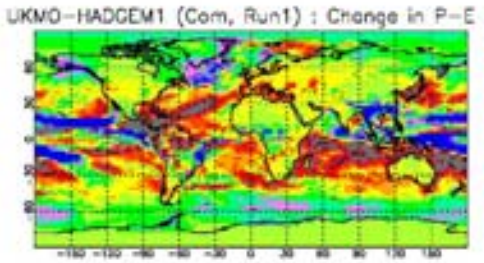
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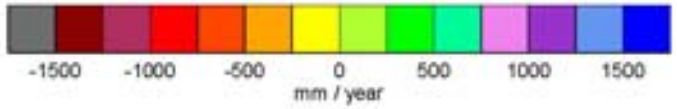
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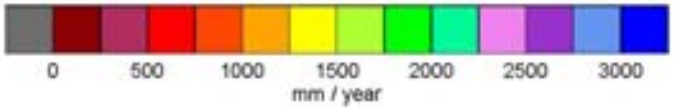
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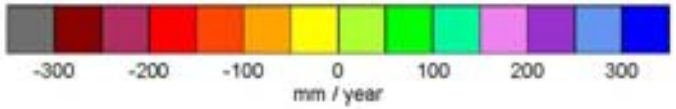
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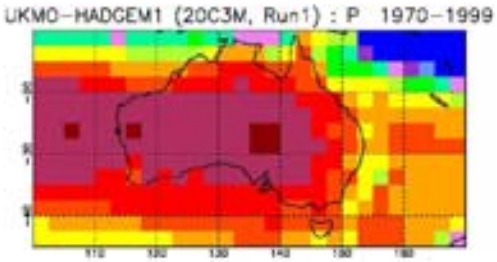
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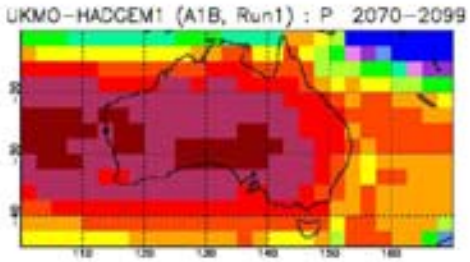
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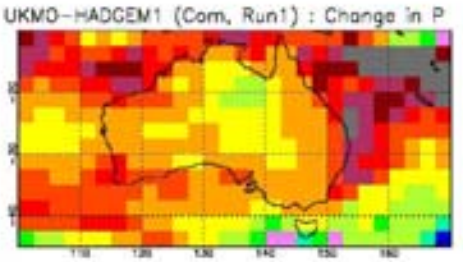
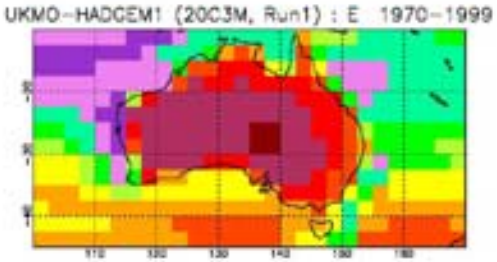
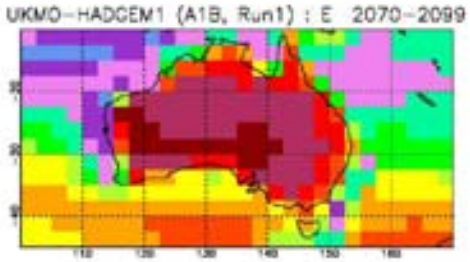
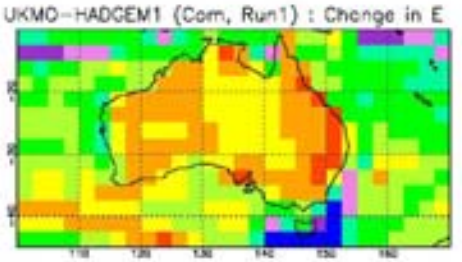
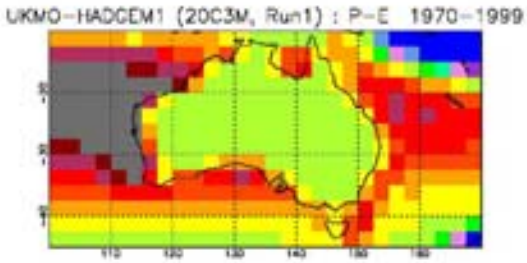
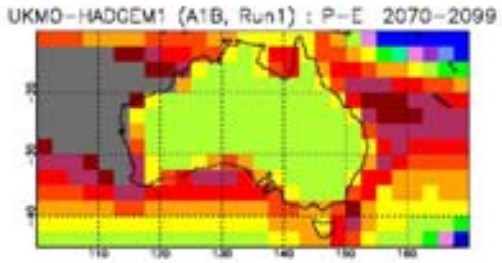

UKMO-HADGEM1 (Com, Run1) : Change in P

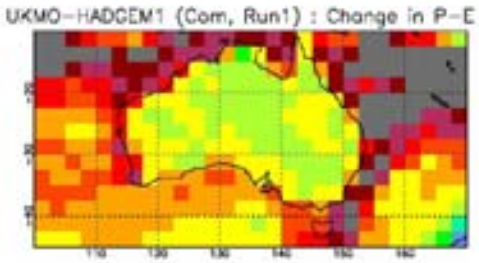

UKMO-HADGEM1 (20C3M, Run1) : E 1970-1999

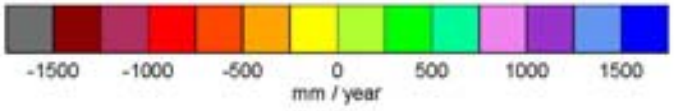

UKMO-HADGEM1 (A1B, Run1) : E 2070-2099


UKMO-HADGEM1 (Com, Run1) : Change in E


UKMO-HADGEM1 (20C3M, Run1) : P-E 1970-1999


UKMO-HADGEM1 (A1B, Run1) : P-E 2070-2099


UKMO-HADGEM1 (Com, Run1) : Change in P-E


-1500
-1000
-500
0
500
1000
1500
mm / year

UKMO-HADGEM1_Set1

Region	1970 - 1999 (20C3M, Run1)				2070 - 2099 (A1B, Run1)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	801.4	537.0	264.4	1.47E+14	818.7	534.4	284.3	17.3	-2.6	19.8
Australia	7.45E+12	534.0	578.3	-44.3	7.45E+12	467.2	525.6	-58.4	-66.8	-52.7	-14.1
New Zealand	2.59E+11	1202.7	825.4	377.3	2.59E+11	1261.3	837.0	424.4	58.6	11.6	47.0
South America	1.77E+13	1810.2	1076.9	733.3	1.77E+13	1657.8	993.6	664.1	-152.4	-83.3	-69.2
North America	2.38E+13	693.0	440.6	252.4	2.38E+13	765.7	475.3	290.3	72.7	34.7	38.0
Europe	6.69E+12	795.2	592.4	202.9	6.69E+12	748.7	587.6	161.1	-46.5	-4.8	-41.7
Africa	2.97E+13	682.0	607.7	74.3	2.97E+13	657.5	572.0	85.5	-24.5	-35.7	11.2
Middle East	5.03E+12	94.5	169.9	-75.5	5.03E+12	79.8	154.8	-75.0	-14.7	-15.2	0.4
Asia	3.78E+13	632.2	413.2	219.0	3.78E+13	726.3	460.6	265.7	94.1	47.4	46.7
Southeast Asia	4.14E+12	2628.8	1267.6	1361.3	4.14E+12	2820.0	1258.8	1561.3	191.2	-8.8	200.0
Antarctica	1.36E+13	139.1	12.9	126.2	1.36E+13	176.4	17.5	158.9	37.4	4.6	32.7

UKMO-HADGEM1_Set1

	1970 - 1999 (20C3M, Run1) E' = 0.98457											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1103.9	1103.9	0	3.62E+14	1226.5	1333.6	-107.1	1.47E+14	801.4	537.0	264.4
-90° to -80°	3.86E+12	60.4	4.5	55.9	3.58E+03	111.6	5.2	106.4	3.86E+12	60.4	4.5	55.9
-80° to -70°	1.15E+13	228.1	34.5	193.5	3.53E+12	454.3	90.1	364.1	7.96E+12	127.8	9.9	117.9
-70° to -60°	1.88E+13	727.5	213.8	513.7	1.69E+13	767.2	232.0	535.2	1.82E+12	357.4	44.1	313.3
-60° to -50°	2.55E+13	1107.2	535.0	572.1	2.53E+13	1105.3	534.7	570.5	1.46E+11	1440.1	589.1	851.0
-50° to -40°	3.14E+13	1145.5	802.4	343.1	3.05E+13	1146.5	809.0	337.6	8.63E+11	1108.5	570.9	537.6
-40° to -30°	3.64E+13	1001.9	1288.3	-286.4	3.25E+13	1047.8	1365.8	-318.0	3.87E+12	616.8	637.9	-21.1
-30° to -20°	4.02E+13	898.8	1519.8	-621.1	3.11E+13	912.7	1767.3	-854.5	9.18E+12	851.6	682.4	169.1
-20° to -10°	4.29E+13	1292.3	1817.2	-524.9	3.36E+13	1234.7	2039.7	-805.1	9.32E+12	1499.8	1016.6	483.3
-10° to 0°	4.42E+13	1726.9	1603.2	123.7	3.40E+13	1607.5	1704.9	-97.4	1.03E+13	2122.2	1266.8	855.4
0° to 10°	4.42E+13	2178.7	1603.7	575.0	3.43E+13	2336.9	1754.5	582.4	9.96E+12	1634.7	1085.4	549.3
10° to 20°	4.29E+13	1015.0	1525.6	-510.6	3.17E+13	1182.3	1891.8	-709.5	1.12E+13	539.9	486.1	53.8
20° to 30°	4.02E+13	797.7	1199.9	-402.2	2.49E+13	923.2	1712.3	-789.1	1.54E+13	594.8	371.8	223.0
30° to 40°	3.64E+13	1014.4	1031.6	-17.2	2.09E+13	1318.6	1434.6	-116.0	1.54E+13	602.4	485.8	116.6
40° to 50°	3.14E+13	949.9	620.9	329.0	1.54E+13	1295.1	779.6	515.5	1.60E+13	617.5	468.1	149.4
50° to 60°	2.55E+13	867.1	494.6	372.5	1.07E+13	1112.7	592.3	520.4	1.48E+13	689.1	423.7	265.3
60° to 70°	1.88E+13	621.2	322.3	299.0	5.33E+12	884.9	489.2	395.7	1.34E+13	516.5	256.0	260.6
70° to 80°	1.15E+13	341.8	152.1	189.7	8.31E+12	370.4	181.8	188.6	3.17E+12	266.7	74.1	192.6
80° to 90°	3.86E+12	229.0	43.6	185.4	3.61E+12	232.4	45.3	187.1	2.47E+11	179.0	19.2	159.8

UKMO-HADGEM1_Set1

	2070 - 2099 (A1B, Run1) E' = 0.981851												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1139.0	1139.0	0	3.62E+14	1268.8	1383.9	-115.2	1.47E+14	818.7	534.4	284.3	35.1	35.1	0.0	42.3	50.4	-8.0	17.3	-2.6	19.8
-90° to -80°	3.86E+12	73.3	6.4	66.9	3.58E+03	103.1	12.5	90.5	3.86E+12	73.3	6.4	66.9	12.9	1.9	11.0	-8.6	7.3	-15.9	12.9	1.9	11.0
-80° to -70°	1.15E+13	278.1	43.3	234.9	3.53E+12	537.2	109.1	428.1	7.96E+12	163.3	14.0	149.2	50.1	8.7	41.3	82.9	19.0	63.9	35.5	4.2	31.3
-70° to -60°	1.88E+13	866.7	246.0	620.6	1.69E+13	910.8	266.4	644.4	1.82E+12	455.4	56.5	398.8	139.1	32.2	107.0	143.6	34.3	109.3	98.0	12.5	85.5
-60° to -50°	2.55E+13	1203.4	529.4	673.9	2.53E+13	1201.7	528.9	672.8	1.46E+11	1492.4	629.2	863.2	96.2	-5.6	101.8	96.4	-5.9	102.3	52.3	40.1	12.2
-50° to -40°	3.14E+13	1176.4	843.5	332.9	3.05E+13	1180.3	851.1	329.2	8.63E+11	1038.6	575.7	462.9	30.9	41.1	-10.2	33.8	42.1	-8.4	-70.0	4.8	-74.7
-40° to -30°	3.64E+13	961.0	1308.8	-347.8	3.25E+13	1007.6	1394.5	-386.9	3.87E+12	570.3	590.6	-20.4	-40.9	20.6	-61.4	-40.2	28.7	-68.9	-46.5	-47.3	0.8
-30° to -20°	4.02E+13	830.6	1541.6	-711.0	3.11E+13	840.3	1811.1	-970.8	9.18E+12	797.7	629.5	168.2	-68.2	21.8	-90.0	-72.4	43.9	-116.3	-53.9	-52.9	-0.9
-20° to -10°	4.29E+13	1281.9	1877.5	-595.7	3.36E+13	1238.3	2137.7	-899.4	9.32E+12	1438.7	941.4	497.3	-10.5	60.3	-70.8	3.6	98.0	-94.4	-61.1	-75.2	14.1
-10° to 0°	4.42E+13	1751.8	1650.2	101.6	3.40E+13	1669.8	1787.9	-118.1	1.03E+13	2023.2	1194.2	828.9	24.9	47.0	-22.1	62.4	83.1	-20.7	-99.0	-72.6	-26.5
0° to 10°	4.42E+13	2203.8	1623.2	580.6	3.43E+13	2394.4	1800.3	594.1	9.96E+12	1548.5	1014.2	534.3	25.1	19.4	5.6	57.4	45.8	11.6	-86.3	-71.2	-15.0
10° to 20°	4.29E+13	1113.2	1555.4	-442.3	3.17E+13	1315.1	1937.1	-622.0	1.12E+13	539.8	472.1	67.7	98.2	29.9	68.3	132.8	45.3	87.5	-0.1	-13.9	13.9
20° to 30°	4.02E+13	836.0	1236.0	-399.9	2.49E+13	934.7	1772.4	-837.7	1.54E+13	676.5	368.9	307.6	38.3	36.0	2.3	11.5	60.1	-48.6	81.7	-2.9	84.6
30° to 40°	3.64E+13	995.7	1066.5	-70.8	2.09E+13	1276.5	1486.6	-210.1	1.54E+13	615.4	497.6	117.8	-18.7	34.9	-53.6	-42.1	52.0	-94.1	13.0	11.8	1.2
40° to 50°	3.14E+13	988.8	669.8	319.0	1.54E+13	1350.8	838.4	512.4	1.60E+13	640.4	507.6	132.8	38.9	48.9	-10.0	55.6	58.8	-3.2	22.8	39.4	-16.6
50° to 60°	2.55E+13	973.2	541.7	431.4	1.07E+13	1251.7	623.5	628.2	1.48E+13	771.3	482.5	288.8	106.1	47.1	58.9	139.0	31.1	107.8	82.2	58.7	23.5
60° to 70°	1.88E+13	751.0	369.8	381.2	5.33E+12	1011.4	509.3	502.0	1.34E+13	647.6	314.4	333.2	129.7	47.5	82.2	126.4	20.1	106.3	131.0	58.4	72.6
70° to 80°	1.15E+13	483.7	238.6	245.2	8.31E+12	521.6	288.4	233.2	3.17E+12	384.7	108.1	276.6	142.0	86.5	55.5	151.2	106.6	44.6	118.0	34.0	84.0
80° to 90°	3.86E+12	392.0	107.6	284.4	3.61E+12	398.5	113.1	285.4	2.47E+11	297.4	28.2	269.2	163.1	64.1	99.0	166.1	67.8	98.3	118.4	9.0	109.3

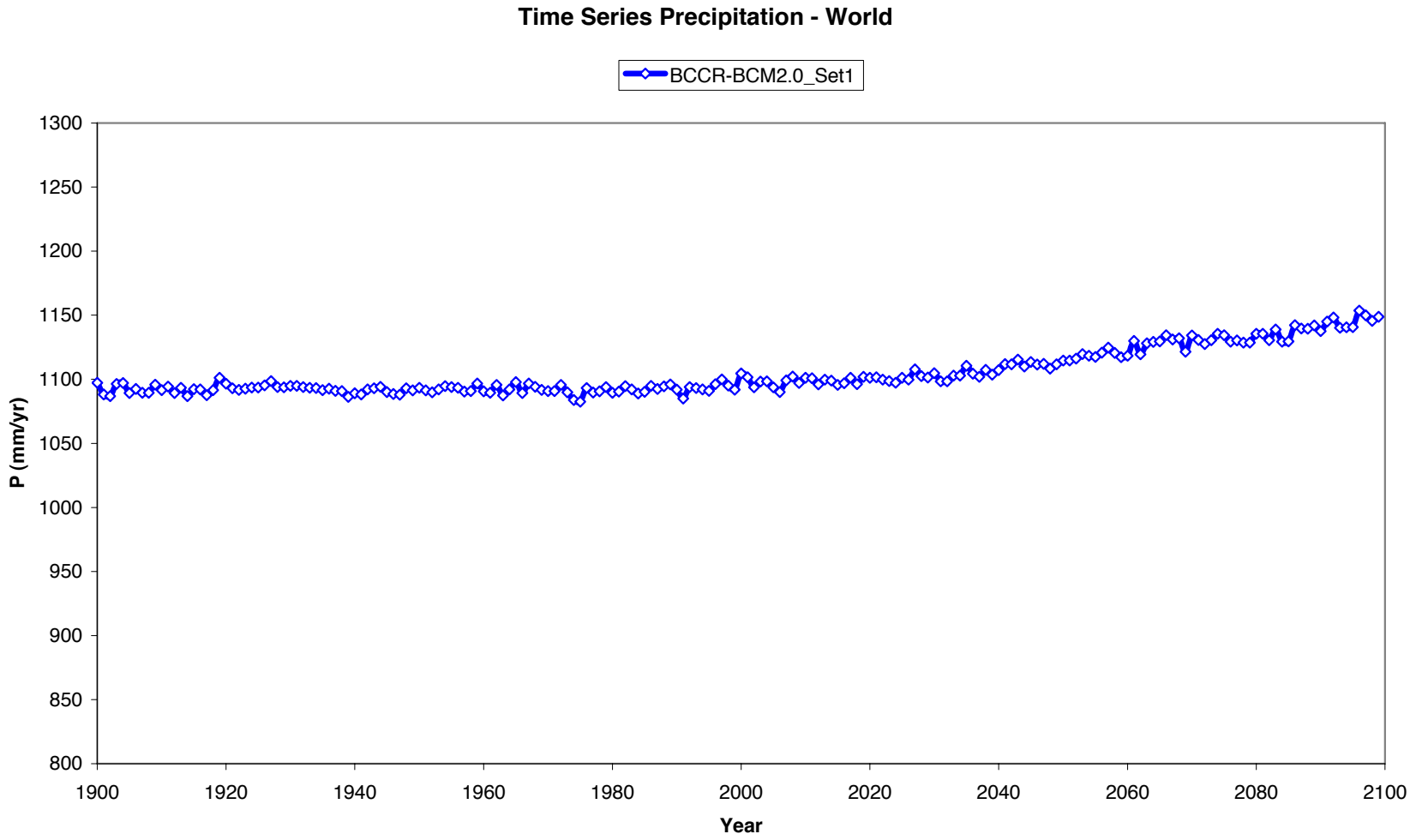
UKMO-HADGEM1_Set1

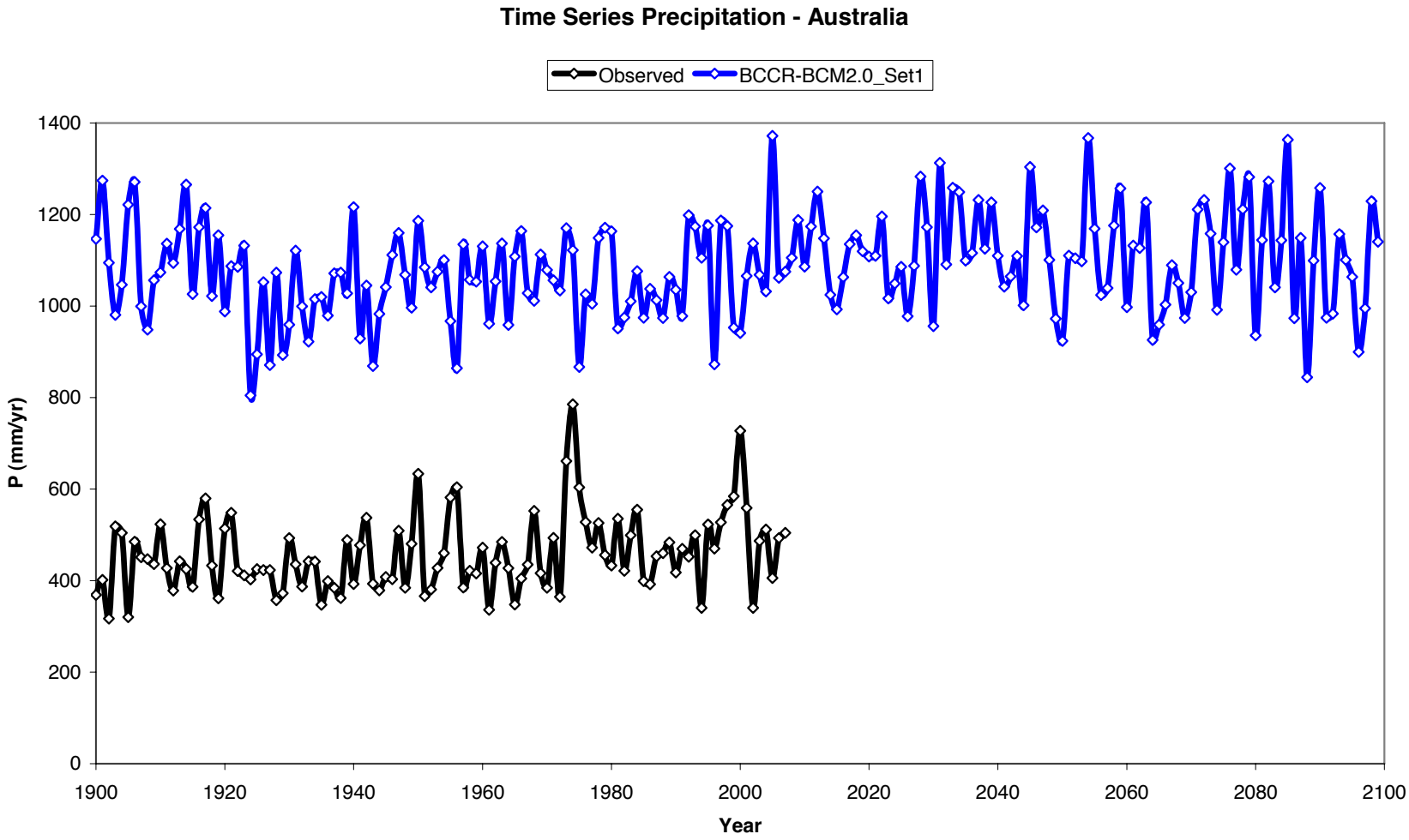
	2070 - 2099 (A2, Run1) E' = 0.981693												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1131.1	1131.1	0	3.62E+14	1261.3	1377.6	-116.3	1.47E+14	809.7	522.7	286.9	27.2	27.2	0.0	34.8	44.0	-9.1	8.3	-14.3	22.5
-90° to -80°	3.86E+12	75.7	7.2	68.5	3.58E+03	103.1	4.8	98.2	3.86E+12	75.7	7.2	68.5	15.3	2.7	12.6	-8.6	-0.4	-8.2	15.3	2.7	12.6
-80° to -70°	1.15E+13	287.7	45.6	242.1	3.53E+12	549.3	114.1	435.2	7.96E+12	171.7	15.2	156.5	59.6	11.0	48.6	95.0	24.0	71.1	43.9	5.3	38.6
-70° to -60°	1.88E+13	902.0	249.1	652.9	1.69E+13	946.5	269.3	677.1	1.82E+12	487.9	60.4	427.5	174.5	35.2	139.3	179.2	37.3	141.9	130.6	16.3	114.2
-60° to -50°	2.55E+13	1229.0	528.0	701.0	2.53E+13	1227.4	527.4	700.1	1.46E+11	1503.8	633.0	870.8	121.8	-7.1	128.9	122.2	-7.4	129.6	63.6	43.8	19.8
-50° to -40°	3.14E+13	1173.0	856.7	316.3	3.05E+13	1178.0	864.9	313.1	8.63E+11	994.8	567.1	427.7	27.5	54.3	-26.8	31.5	55.9	-24.5	-113.8	-3.9	-109.9
-40° to -30°	3.64E+13	941.0	1312.6	-371.6	3.25E+13	984.7	1398.2	-413.5	3.87E+12	574.0	594.4	-20.3	-60.9	24.3	-85.2	-63.1	32.4	-95.5	-42.8	-43.6	0.8
-30° to -20°	4.02E+13	829.6	1552.1	-722.5	3.11E+13	840.2	1825.3	-985.2	9.18E+12	793.8	627.4	166.4	-69.2	32.3	-101.5	-72.5	58.1	-130.6	-57.7	-55.0	-2.7
-20° to -10°	4.29E+13	1310.2	1872.0	-561.8	3.36E+13	1274.0	2135.2	-861.2	9.32E+12	1440.4	924.8	515.6	17.9	54.8	-36.9	39.3	95.5	-56.2	-59.5	-91.8	32.3
-10° to 0°	4.42E+13	1764.9	1619.5	145.4	3.40E+13	1683.4	1757.8	-74.5	1.03E+13	2034.5	1161.6	873.0	38.0	16.3	21.7	75.9	53.0	22.9	-87.7	-105.2	17.6
0° to 10°	4.42E+13	2089.1	1588.6	500.6	3.43E+13	2258.0	1769.0	489.1	9.96E+12	1508.4	968.2	540.2	-89.6	-15.2	-74.4	-78.9	14.5	-93.4	-126.4	-117.2	-9.1
10° to 20°	4.29E+13	1118.9	1537.5	-418.6	3.17E+13	1333.3	1917.0	-583.7	1.12E+13	510.2	460.2	50.1	103.9	11.9	92.0	151.0	25.2	125.8	-29.7	-25.9	-3.8
20° to 30°	4.02E+13	816.3	1229.2	-412.9	2.49E+13	913.8	1768.5	-854.7	1.54E+13	658.9	357.7	301.1	18.6	29.3	-10.7	-9.5	56.1	-65.6	64.1	-14.0	78.1
30° to 40°	3.64E+13	967.8	1047.8	-80.0	2.09E+13	1243.9	1468.8	-224.9	1.54E+13	593.9	477.8	116.1	-46.6	16.3	-62.8	-74.7	34.2	-108.8	-8.5	-8.0	-0.5
40° to 50°	3.14E+13	984.9	659.4	325.5	1.54E+13	1353.6	827.2	526.5	1.60E+13	629.9	497.8	132.1	35.0	38.4	-3.5	58.5	47.6	10.9	12.3	29.6	-17.3
50° to 60°	2.55E+13	971.6	540.4	431.2	1.07E+13	1263.9	626.7	637.2	1.48E+13	759.7	477.8	281.9	104.5	45.8	58.7	151.2	34.4	116.8	70.6	54.0	16.6
60° to 70°	1.88E+13	759.0	373.0	386.0	5.33E+12	1022.5	511.4	511.1	1.34E+13	654.3	318.0	336.3	137.7	50.7	87.0	137.6	22.2	115.4	137.8	62.1	75.7
70° to 80°	1.15E+13	499.5	243.8	255.6	8.31E+12	537.6	294.3	243.3	3.17E+12	399.7	111.8	287.9	157.7	91.8	65.9	167.2	112.5	54.7	132.9	37.7	95.3
80° to 90°	3.86E+12	413.4	117.1	296.4	3.61E+12	420.5	123.0	297.5	2.47E+11	310.5	30.7	279.8	184.5	73.5	111.0	188.1	77.7	110.4	131.4	11.4	120.0

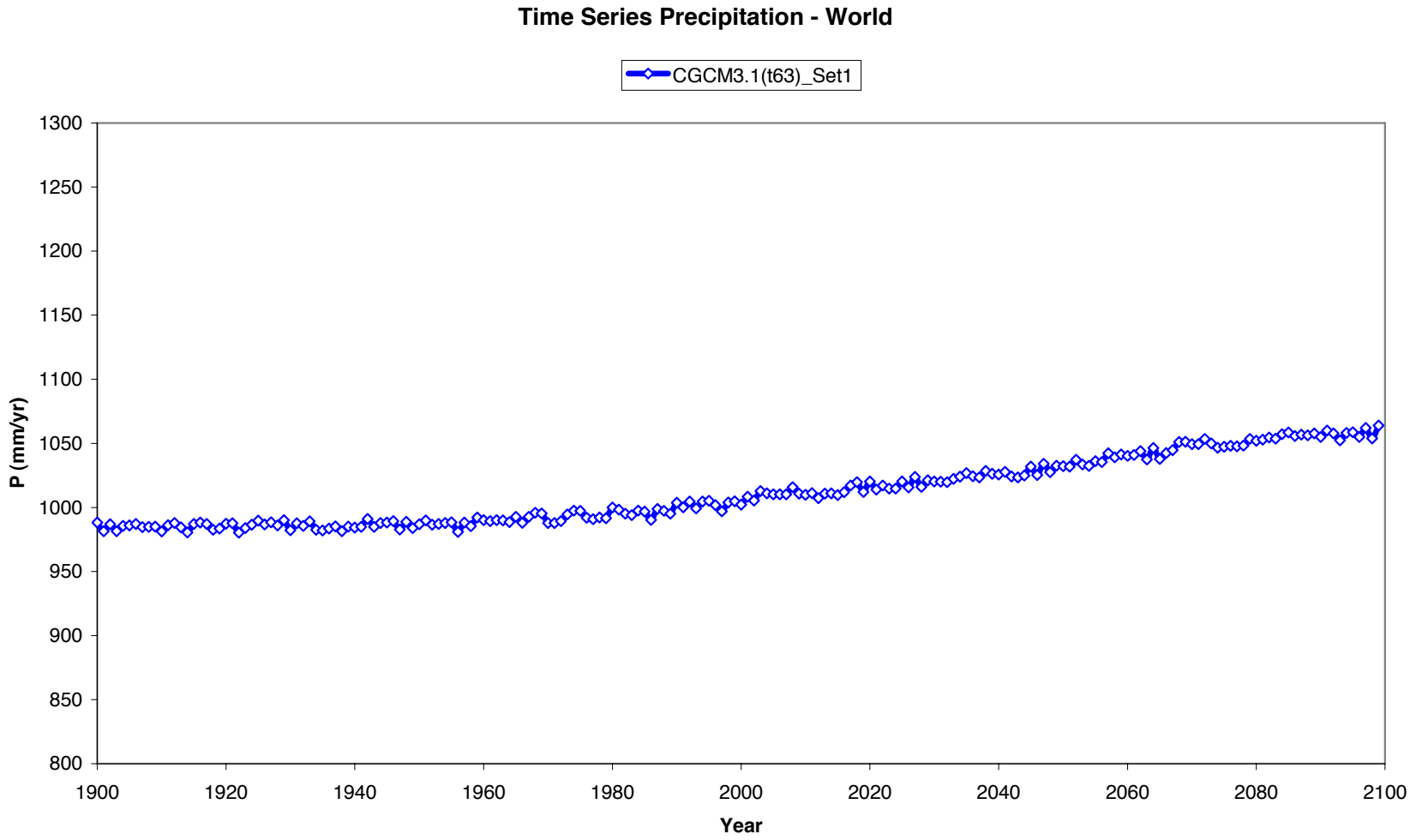
3.2 Time Series Precipitation

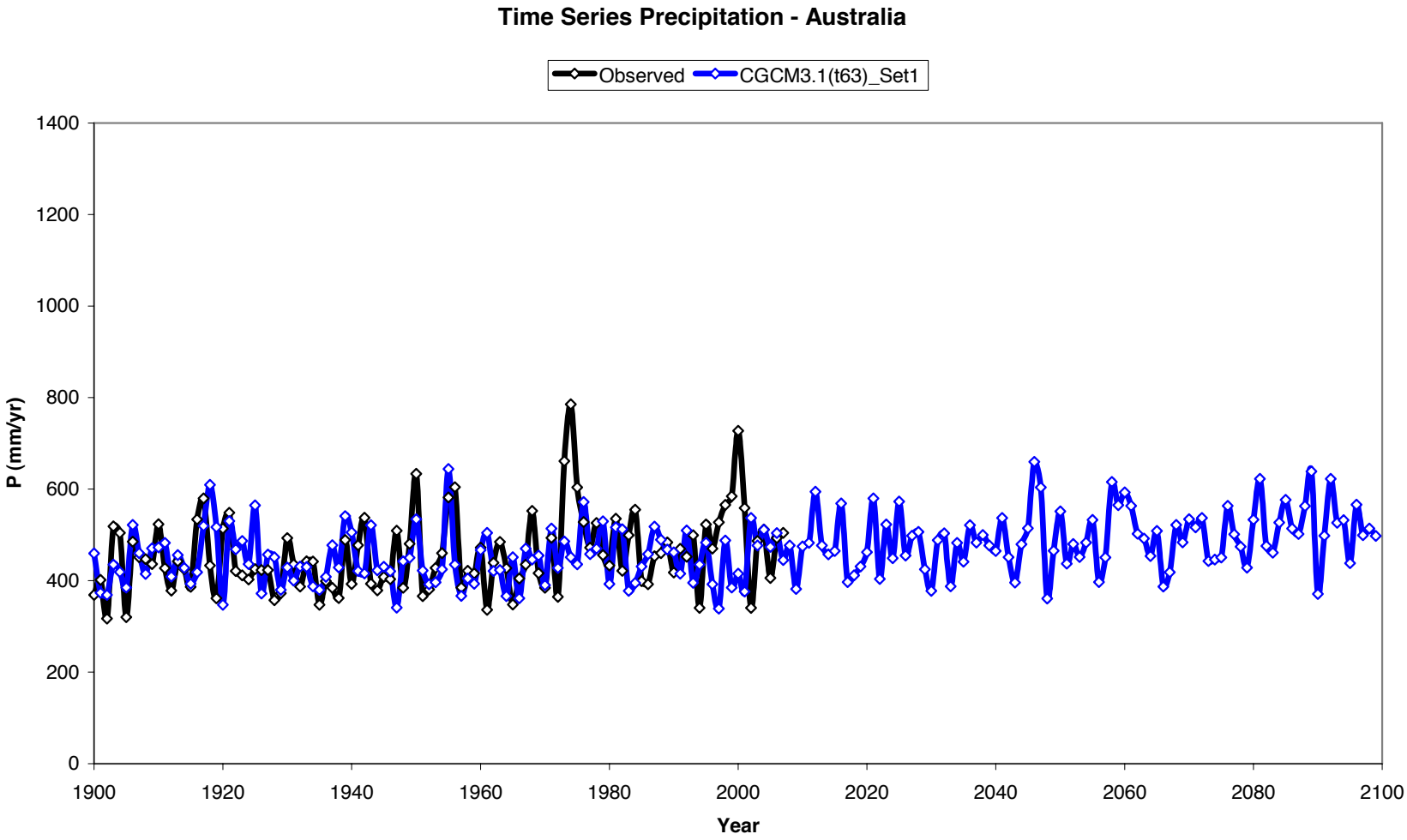
The following pages show time series plots for annual precipitation based on simulations using the 20C3M (historic) and A1B (future) scenarios for each of the 20 models for:

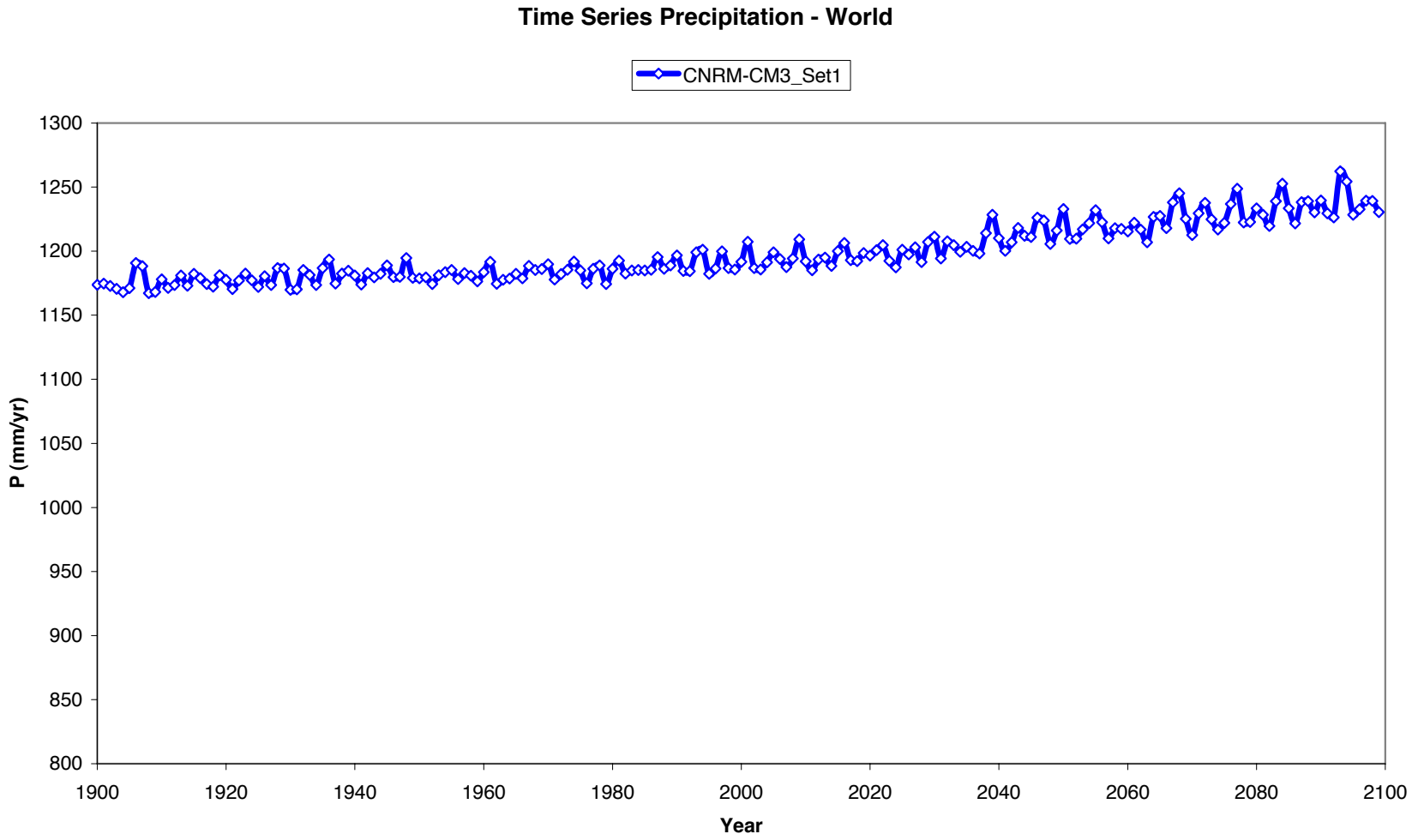
- Global precipitation, and
- Australian precipitation including continental observations per the Bureau of Meteorology (2008) up to 2007.

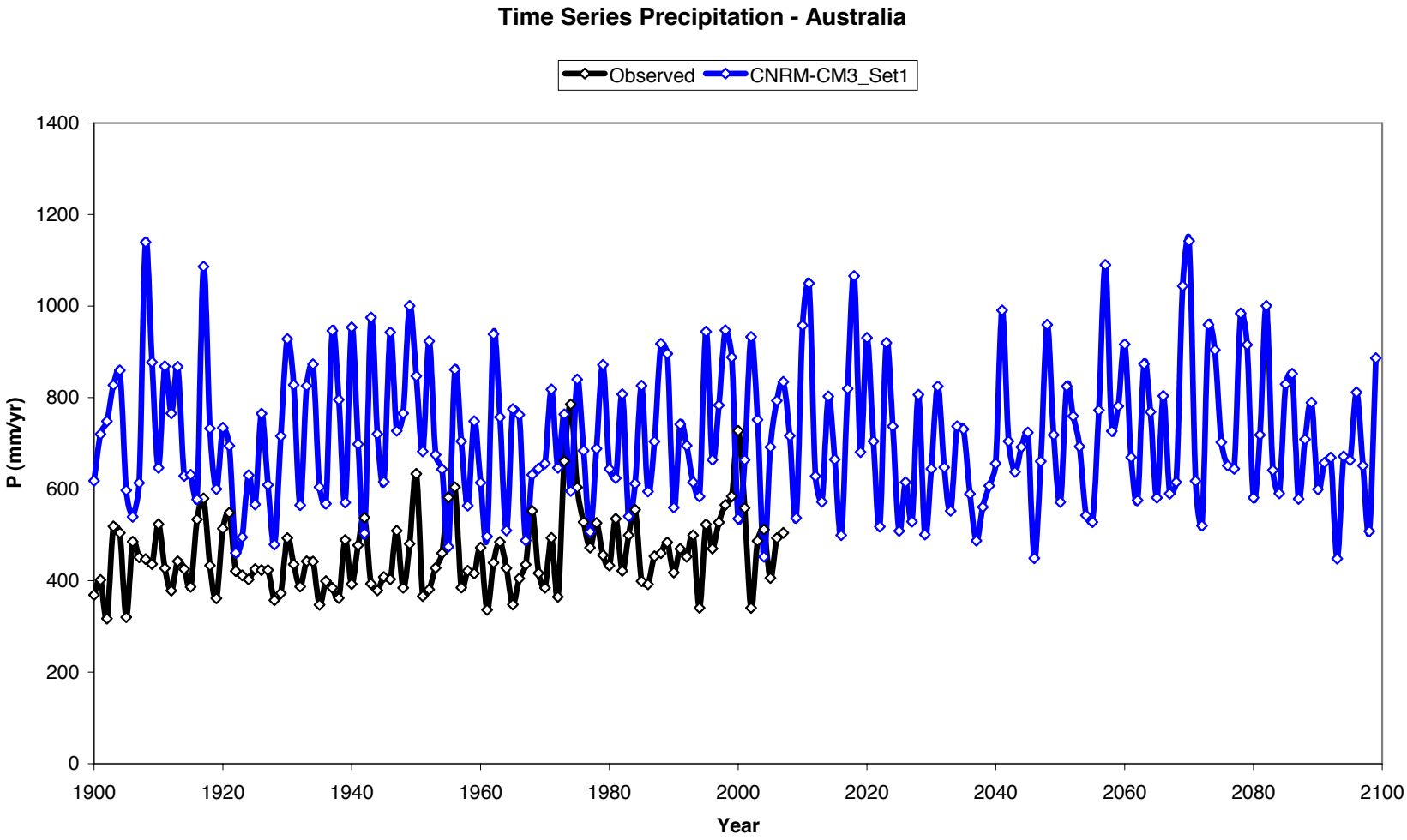

Time Series Precipitation - World
BCCR-BCM2.0_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

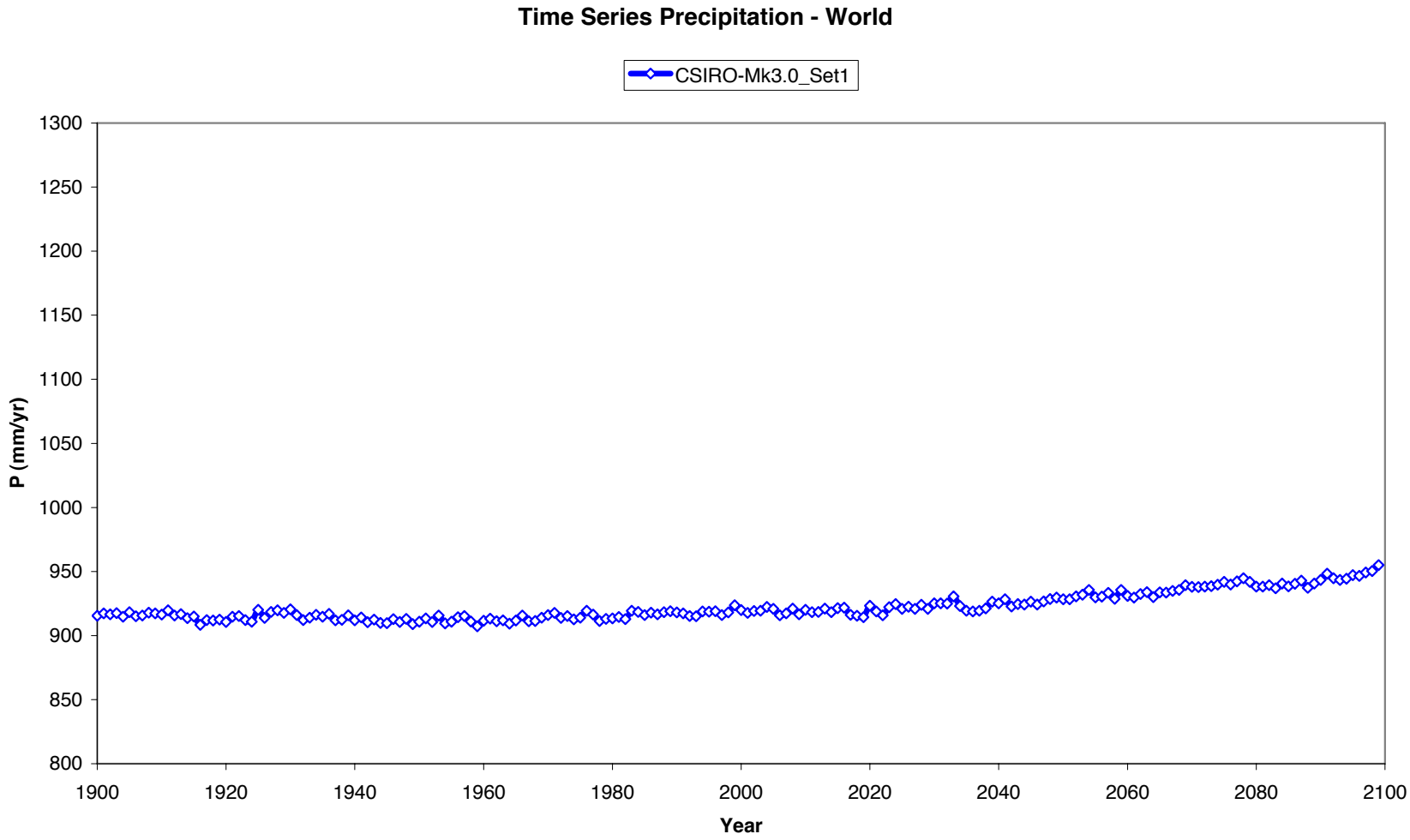

Time Series Precipitation - Australia
Observed
BCCR-BCM2.0_Set1
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

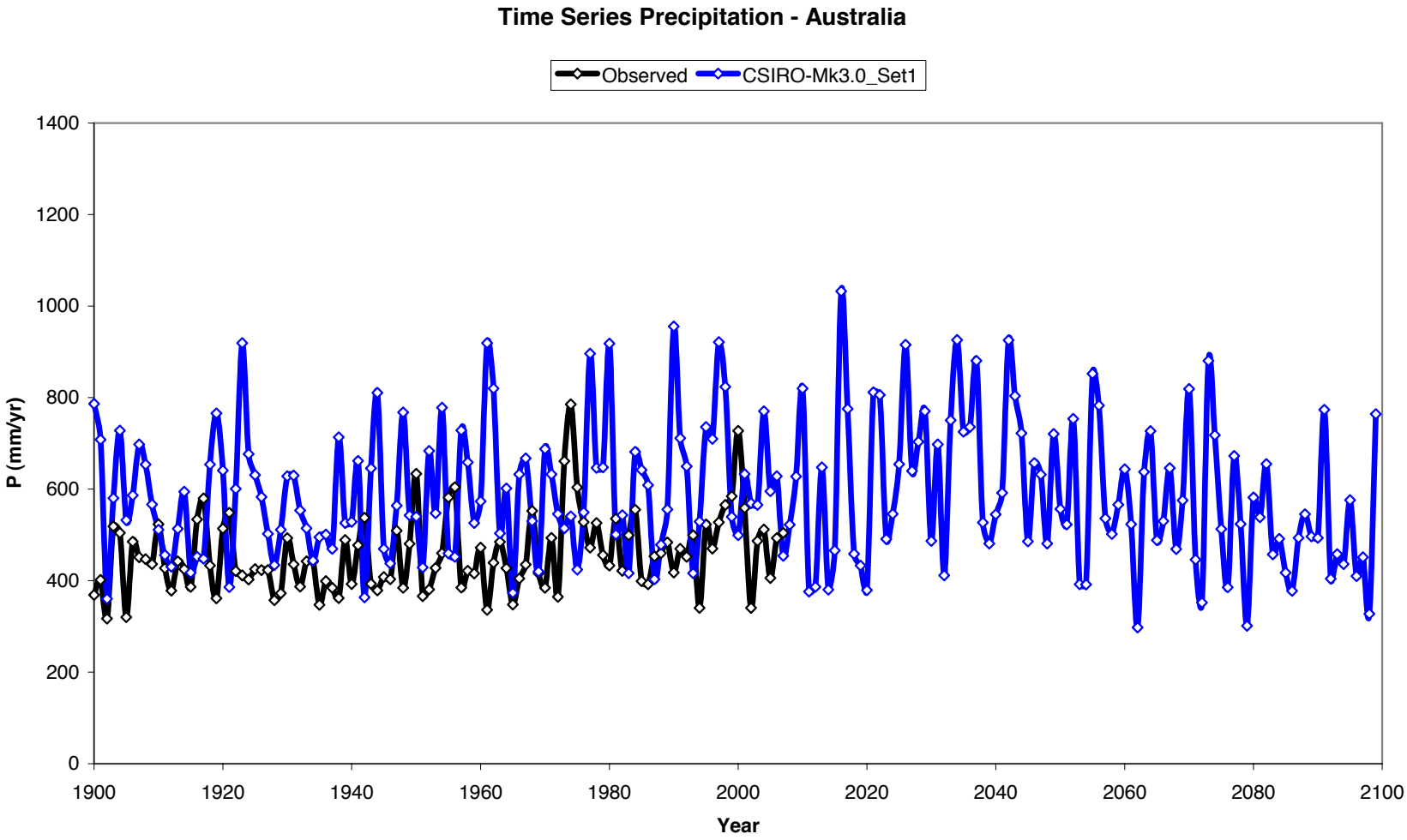

Time Series Precipitation - World
CGCM3.1(t63)_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

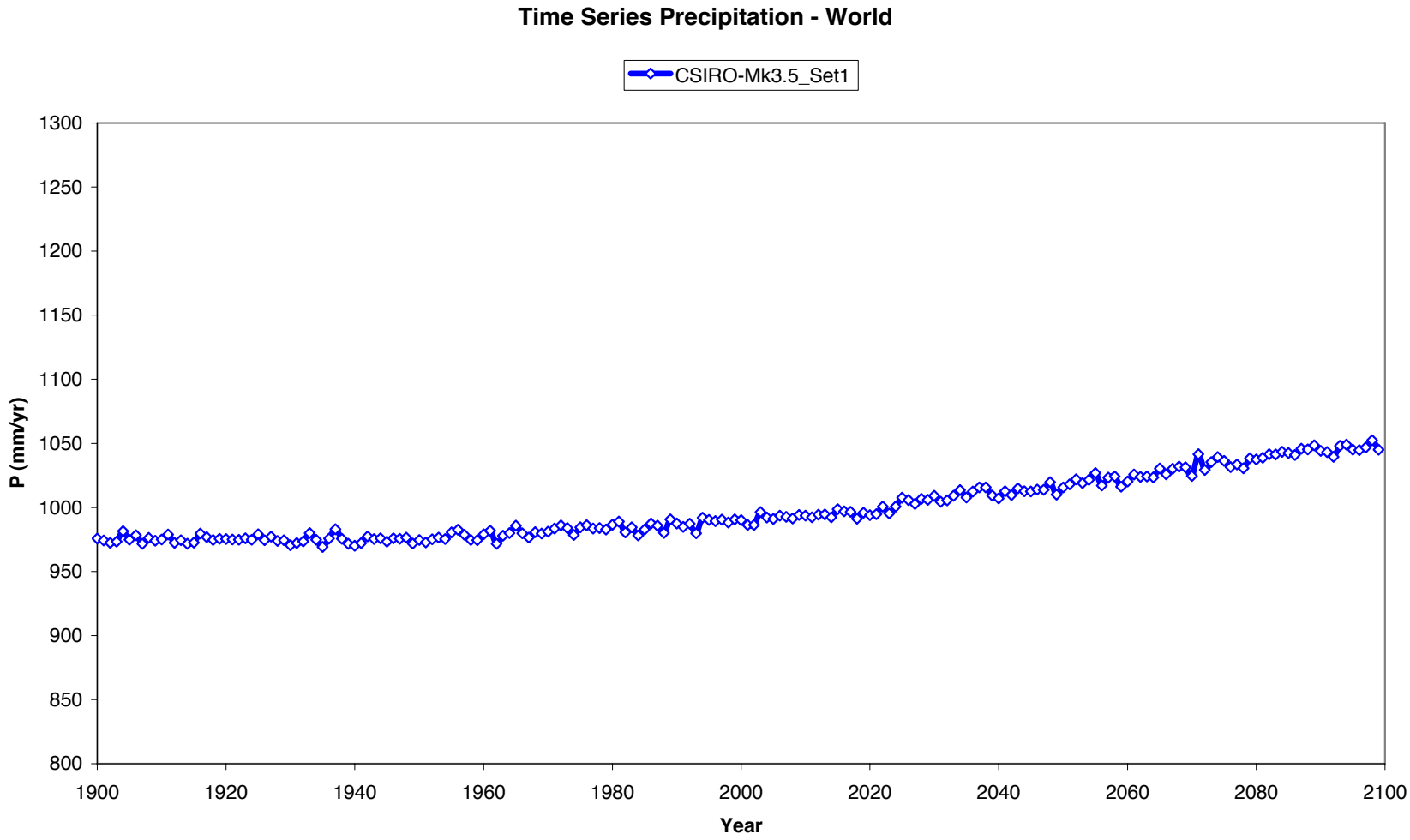

Time Series Precipitation - Australia
Observed
CGCM3.1(t63)_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

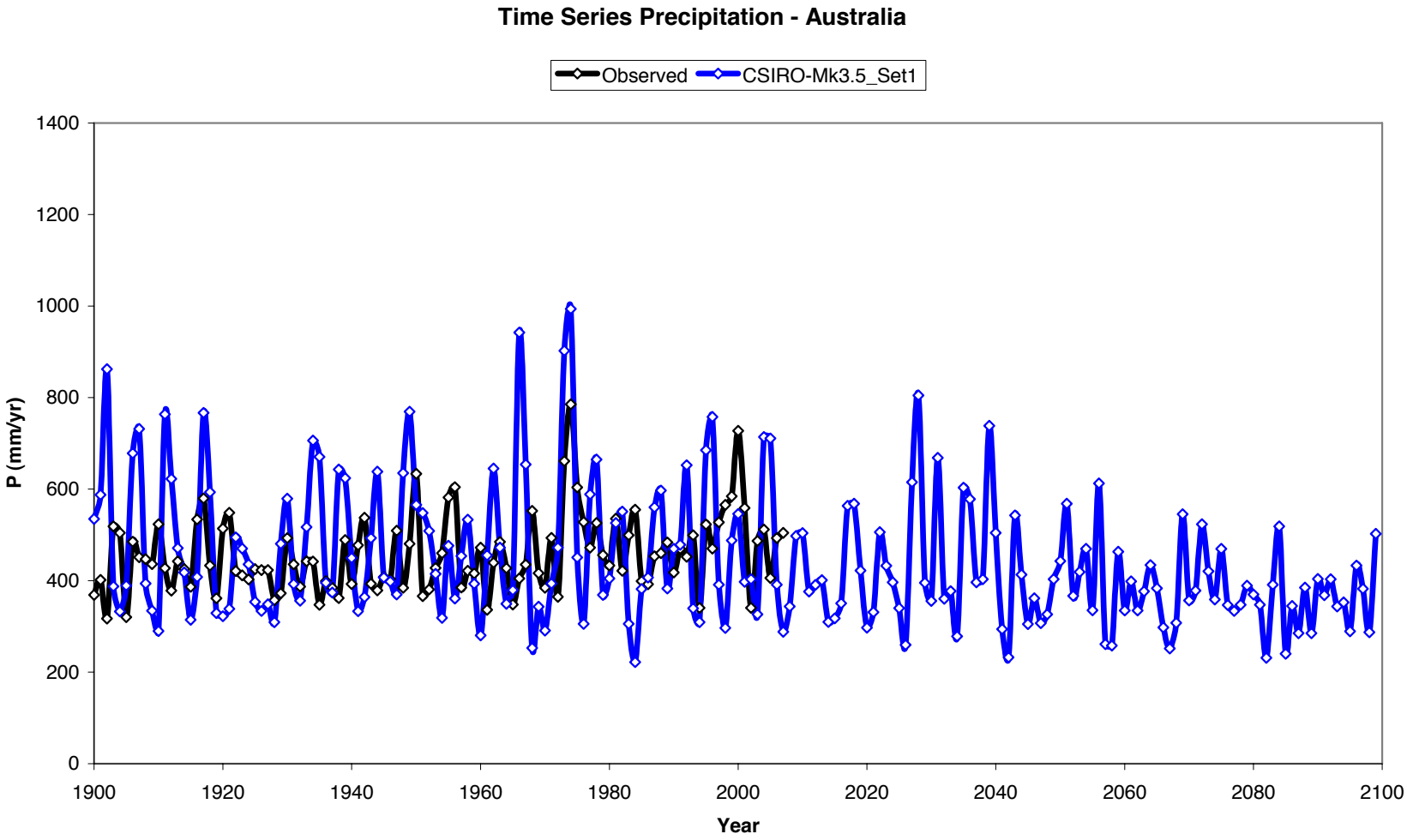

Time Series Precipitation - World
CNRM-CM3_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

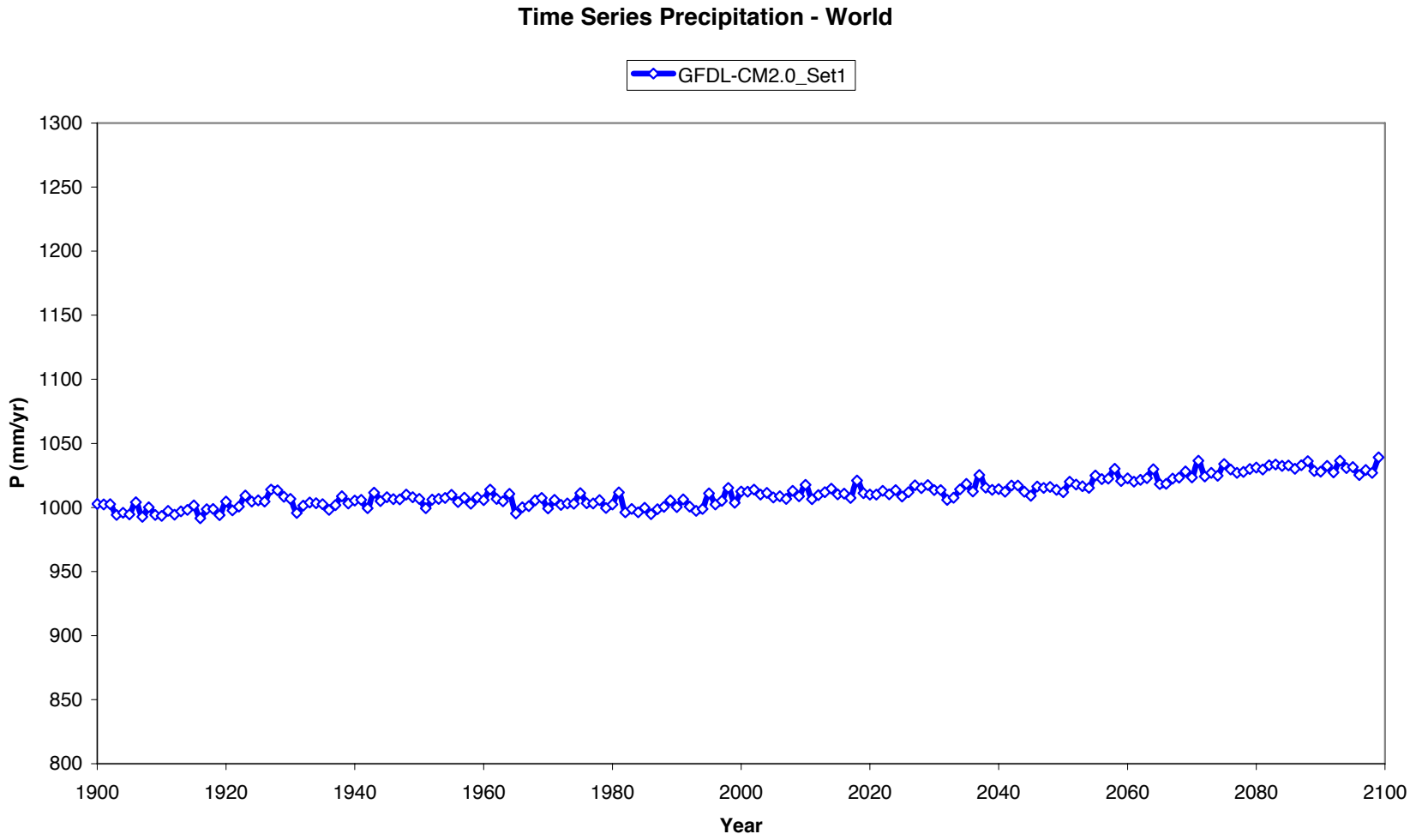

Time Series Precipitation - Australia
Observed
CNRM-CM3_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

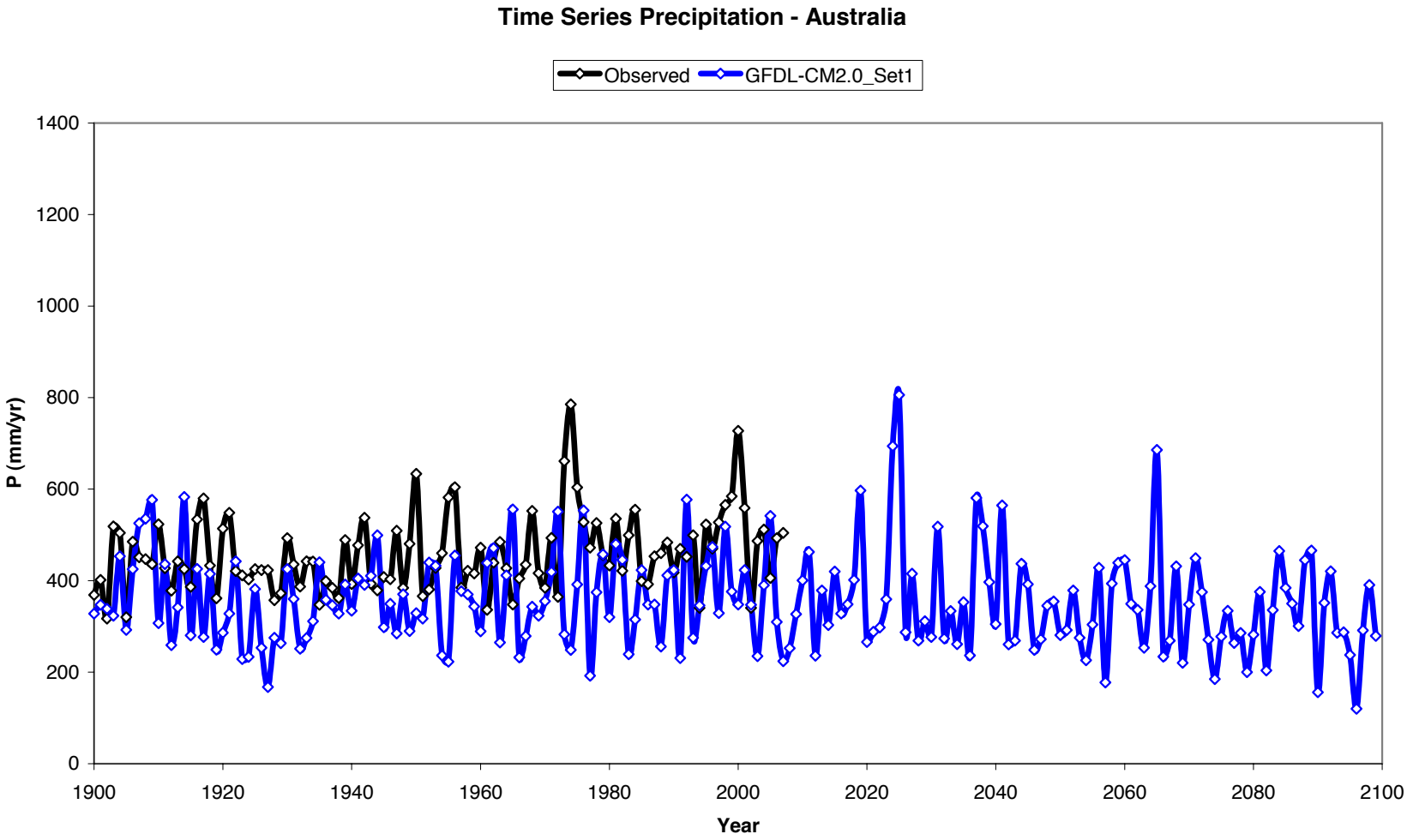

Time Series Precipitation - World
CSIRO-Mk3.0_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

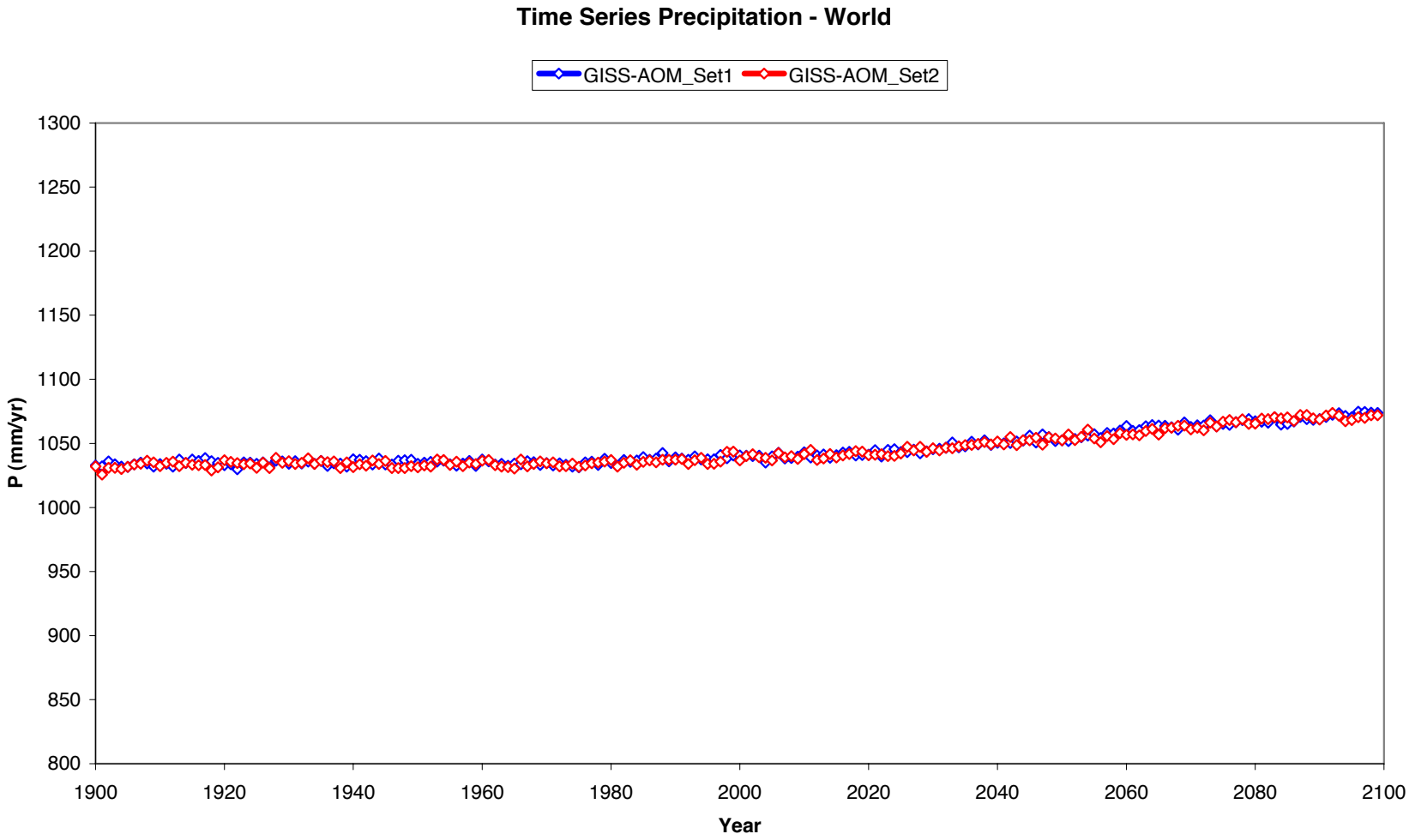

Time Series Precipitation - Australia
Observed
CSIRO-Mk3.0_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

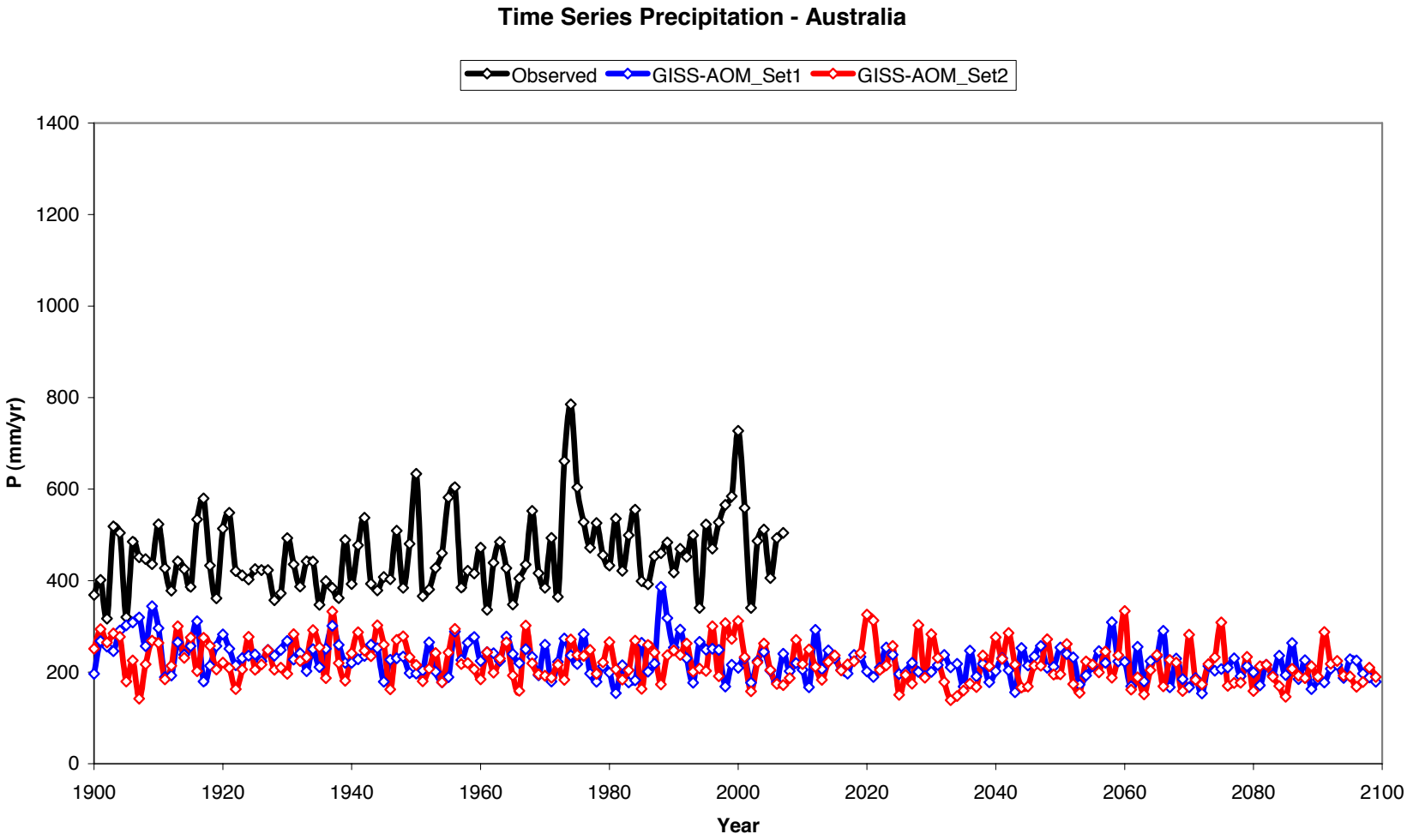

Time Series Precipitation - World
CSIRO-Mk3.5_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

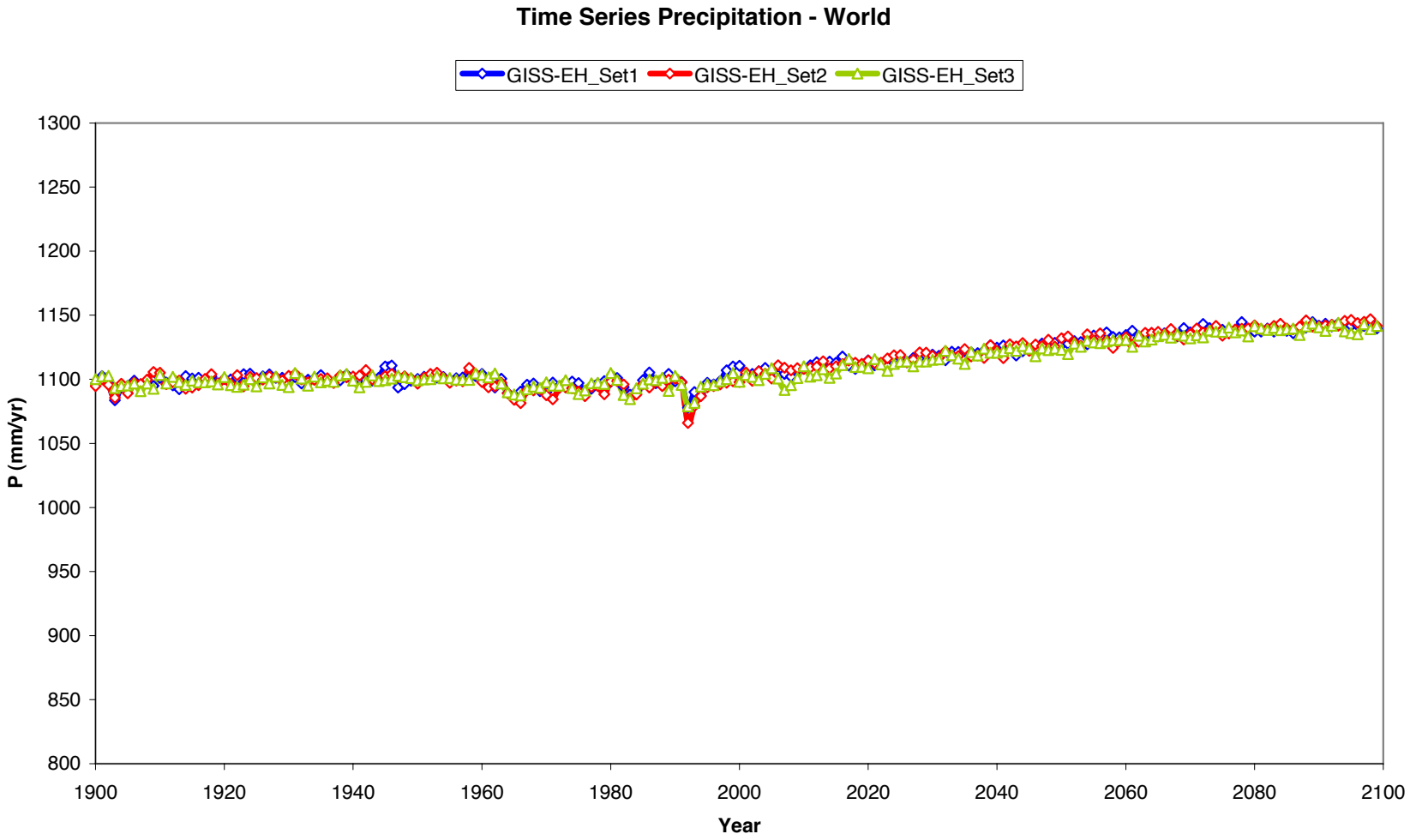

Time Series Precipitation - Australia
Observed
CSIRO-Mk3.5_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

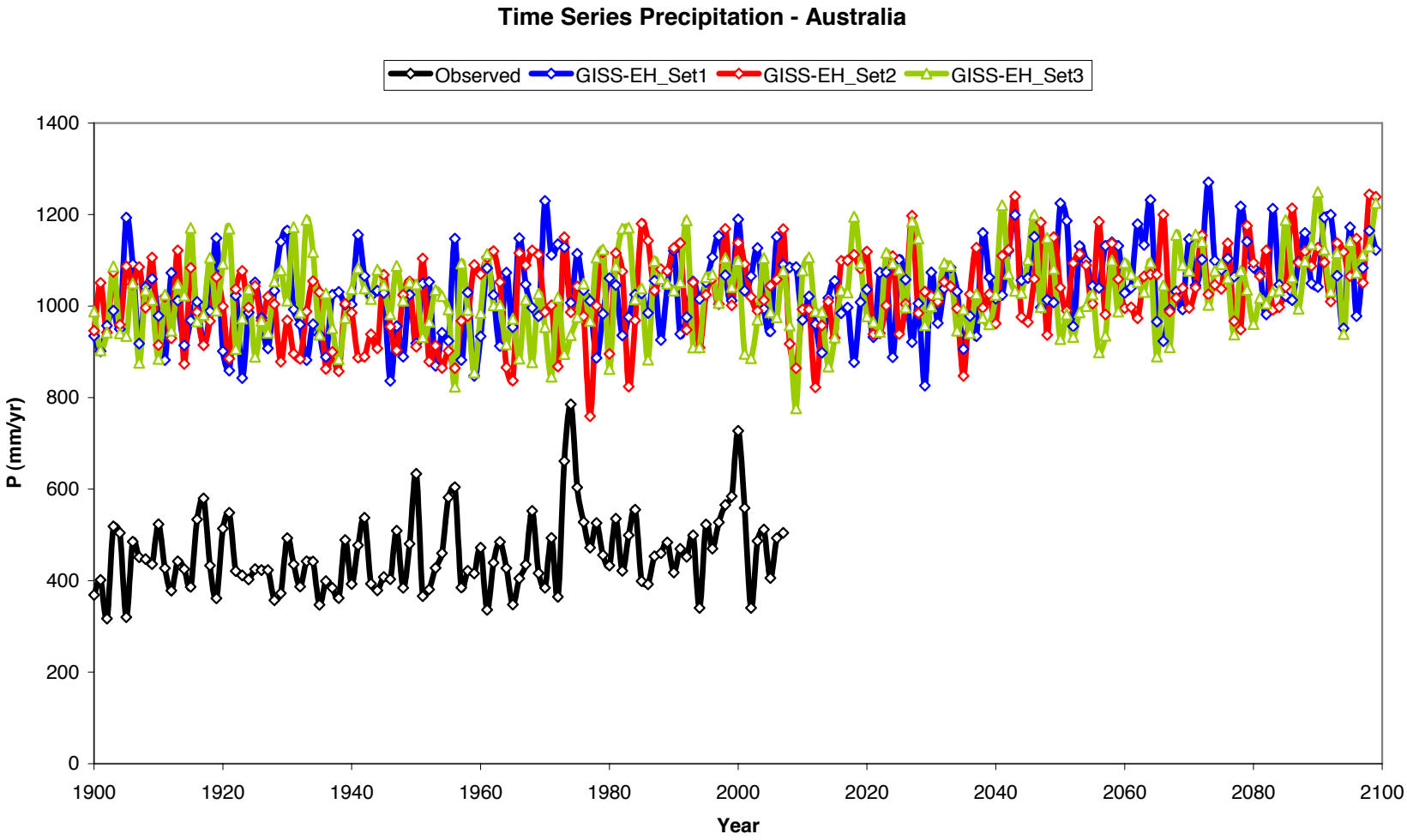

Time Series Precipitation - World
GFDL-CM2.0_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

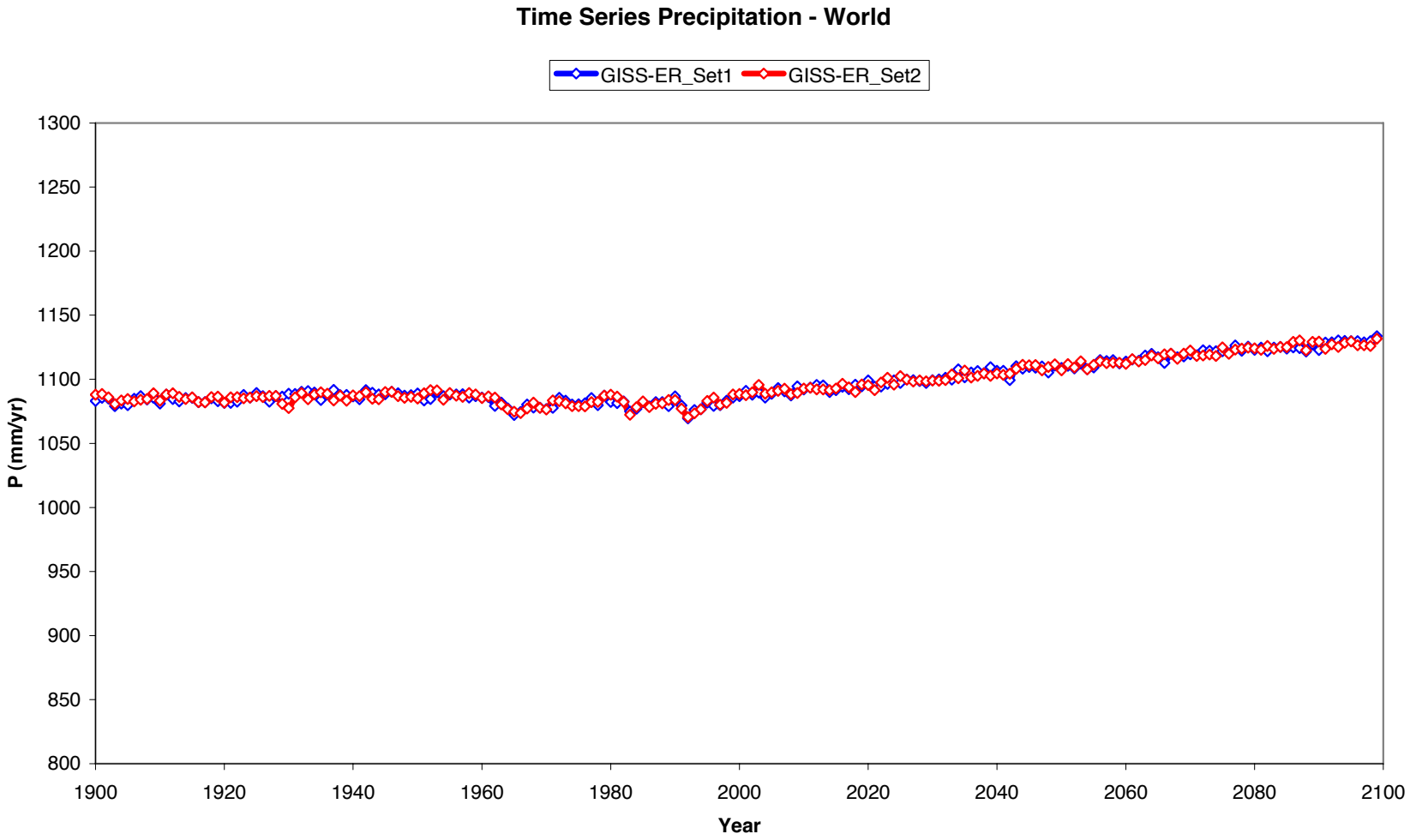

Time Series Precipitation - Australia
Observed
GFDL-CM2.0_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

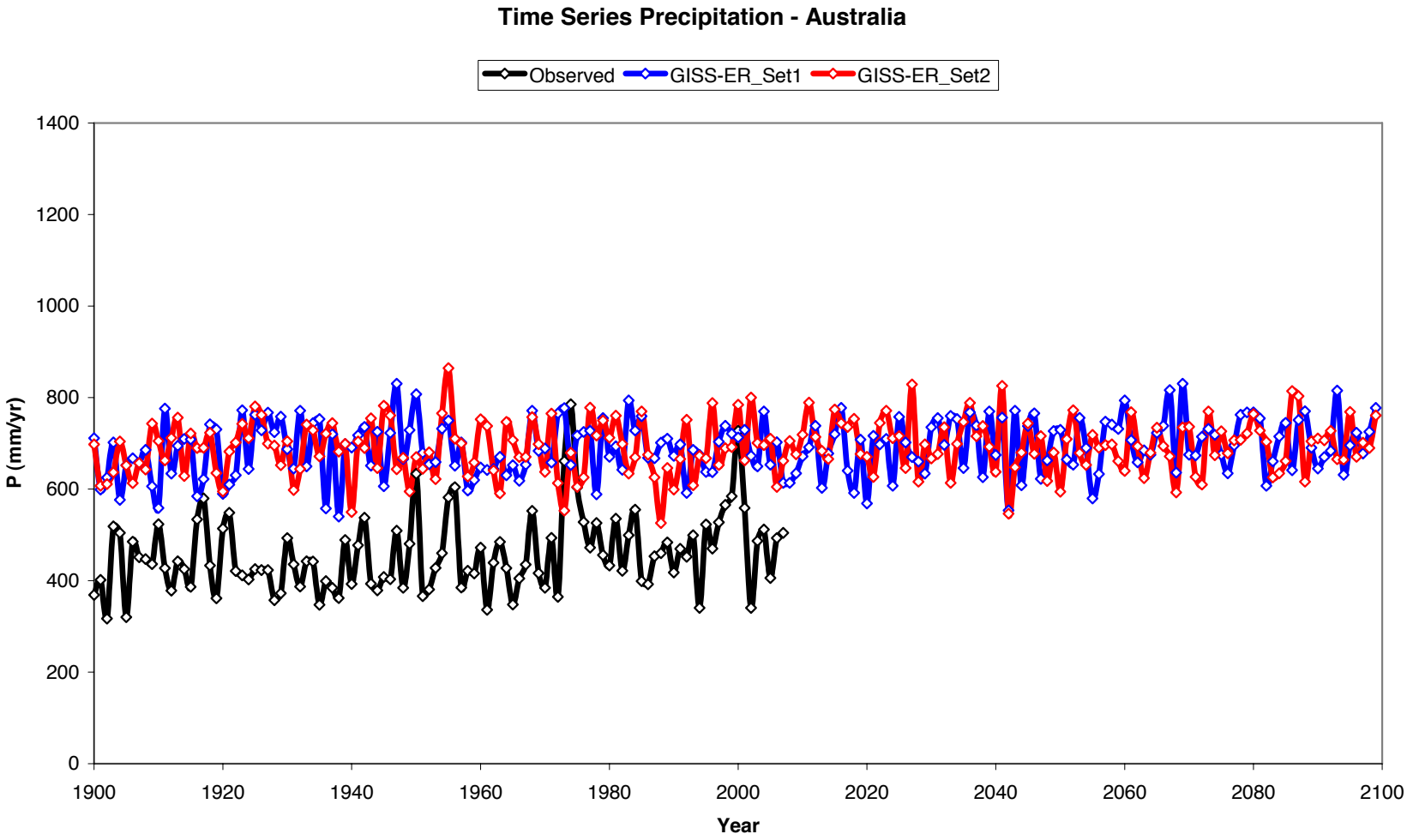

Time Series Precipitation - World
GISS-AOM_Set1
GISS-AOM_Set2
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

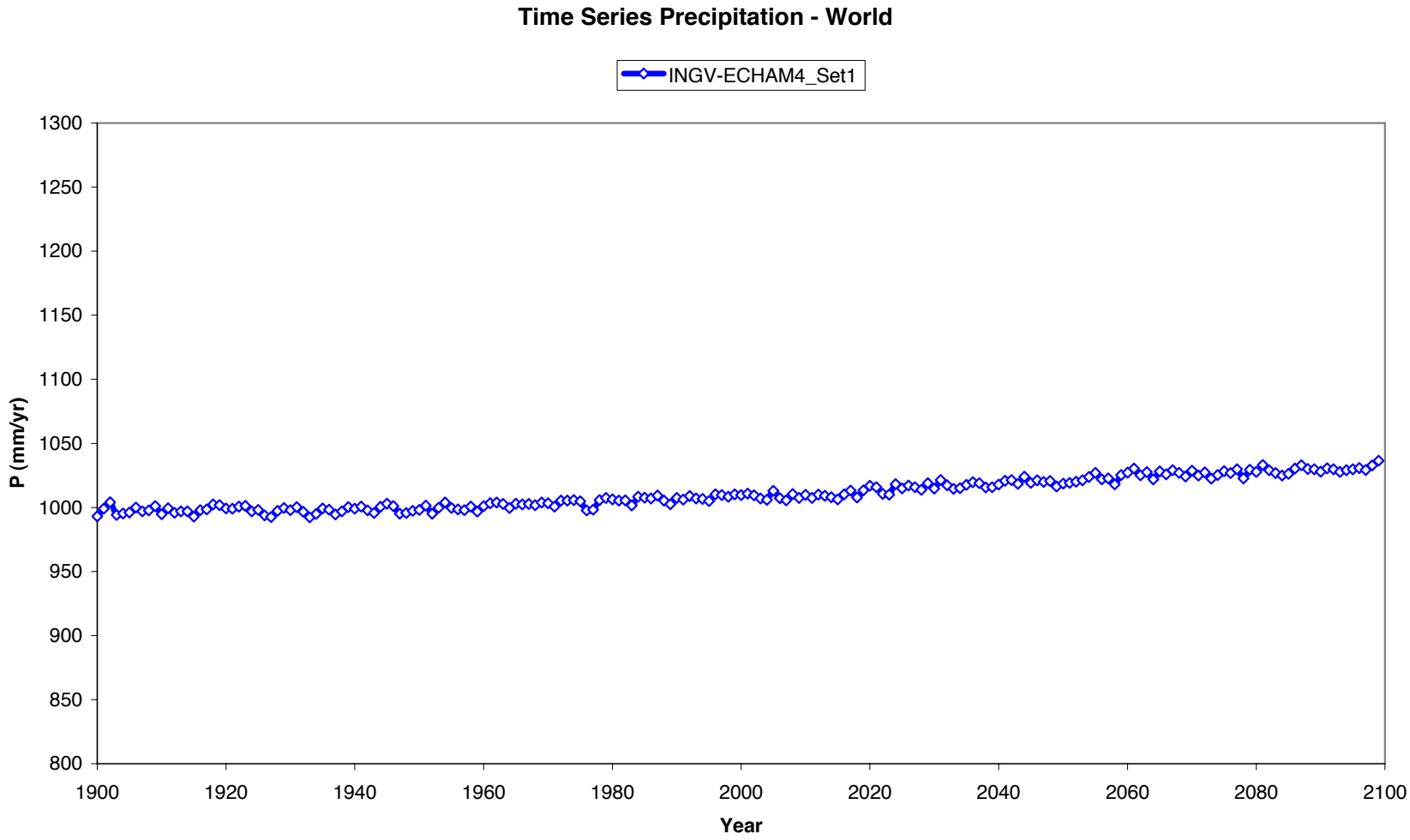

Time Series Precipitation - Australia
Observed
GISS-AOM_Set1
GISS-AOM_Set2
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

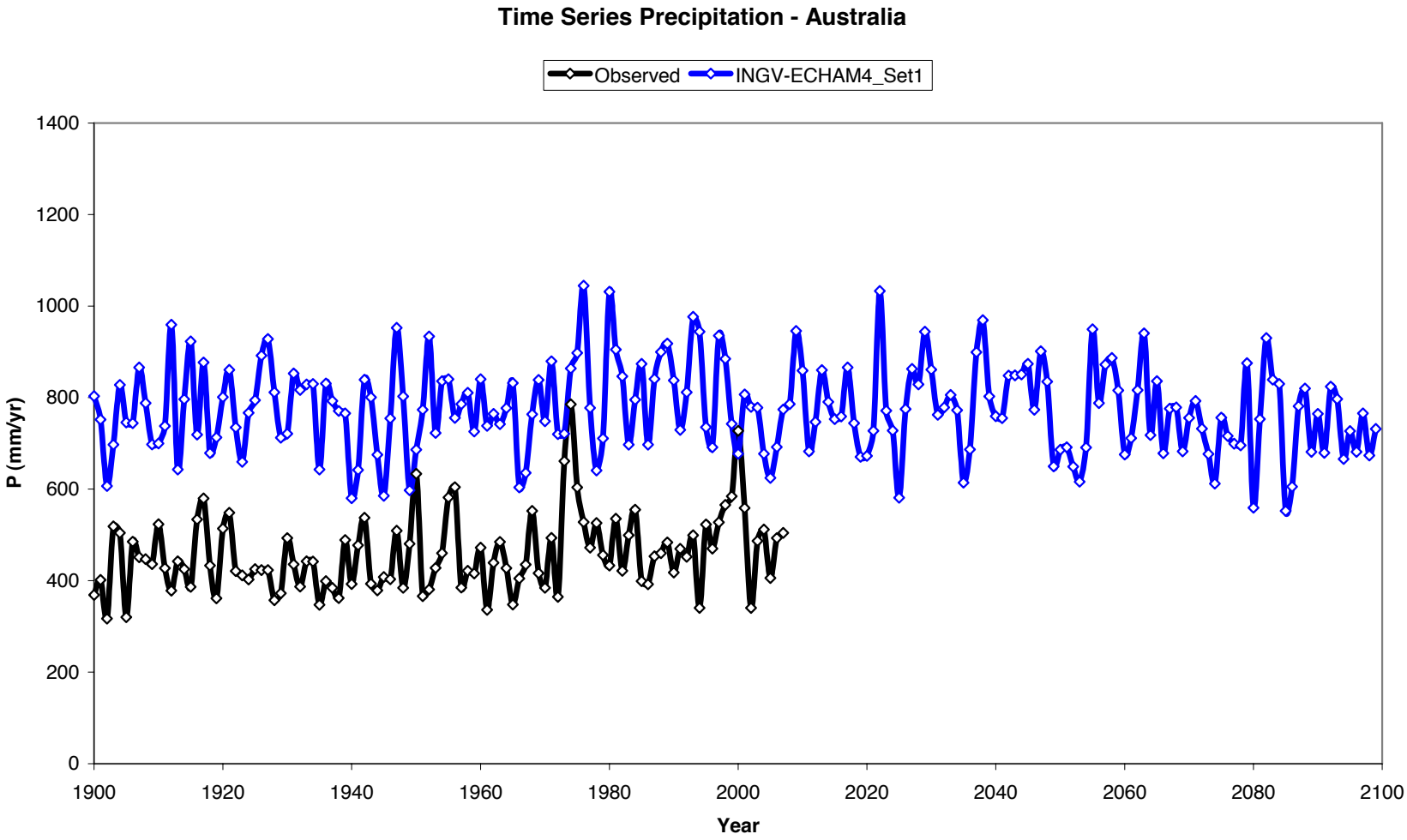

Time Series Precipitation - World
GISS-EH_Set1
GISS-EH_Set2
GISS-EH_Set3
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

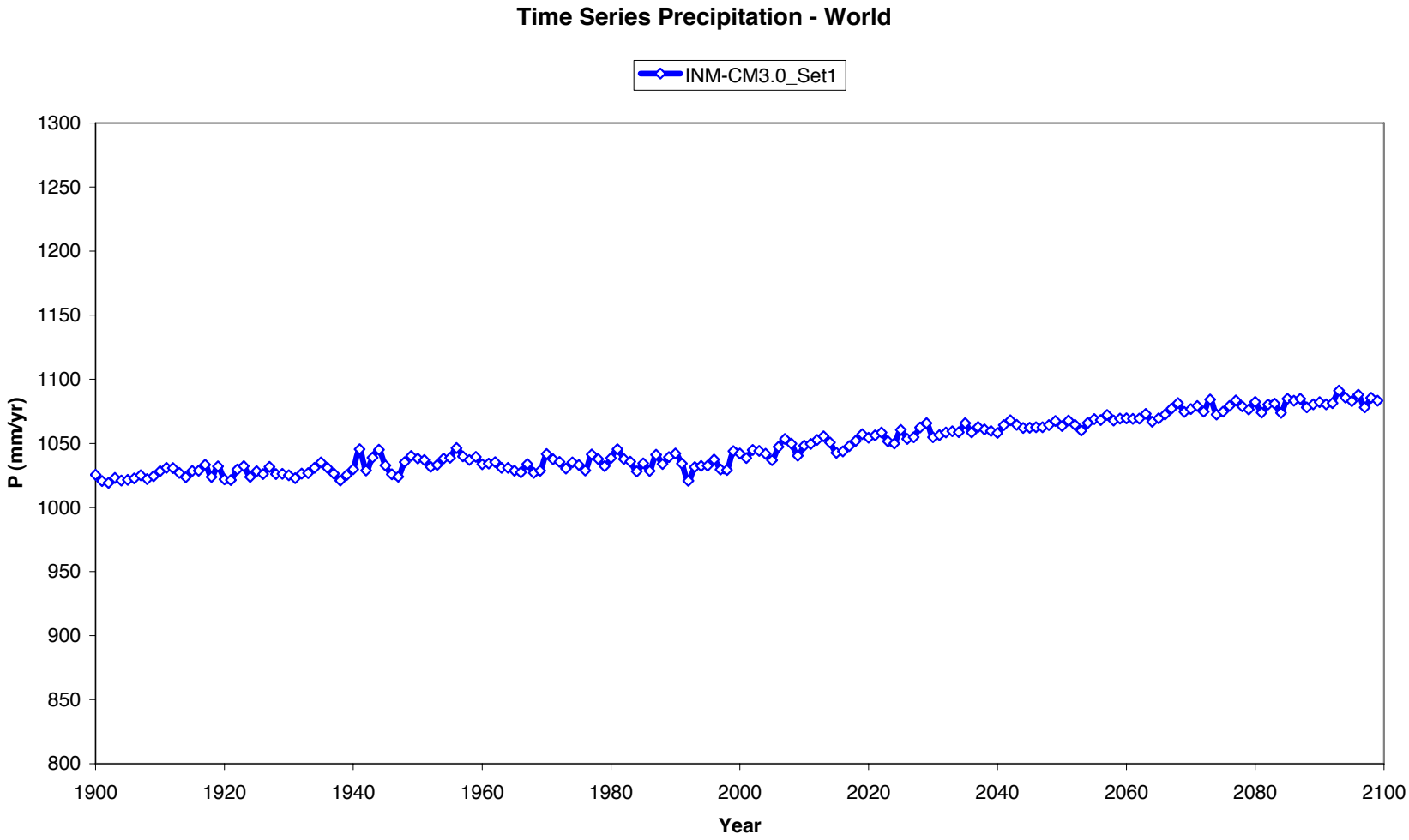

Time Series Precipitation - Australia
Observed
GISS-EH_Set1
GISS-EH_Set2
GISS-EH_Set3
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

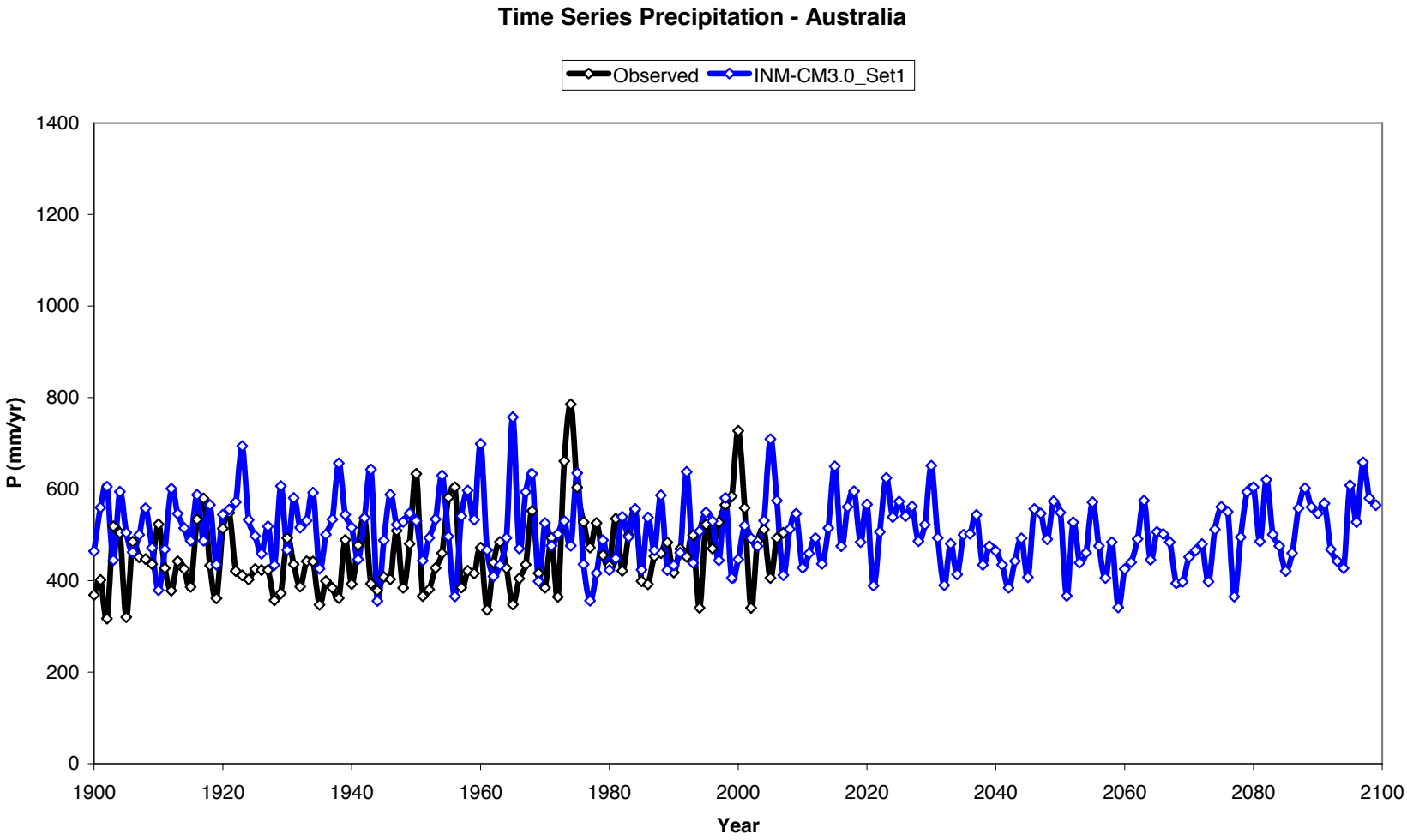

Time Series Precipitation - World
GISS-ER_Set1
GISS-ER_Set2
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

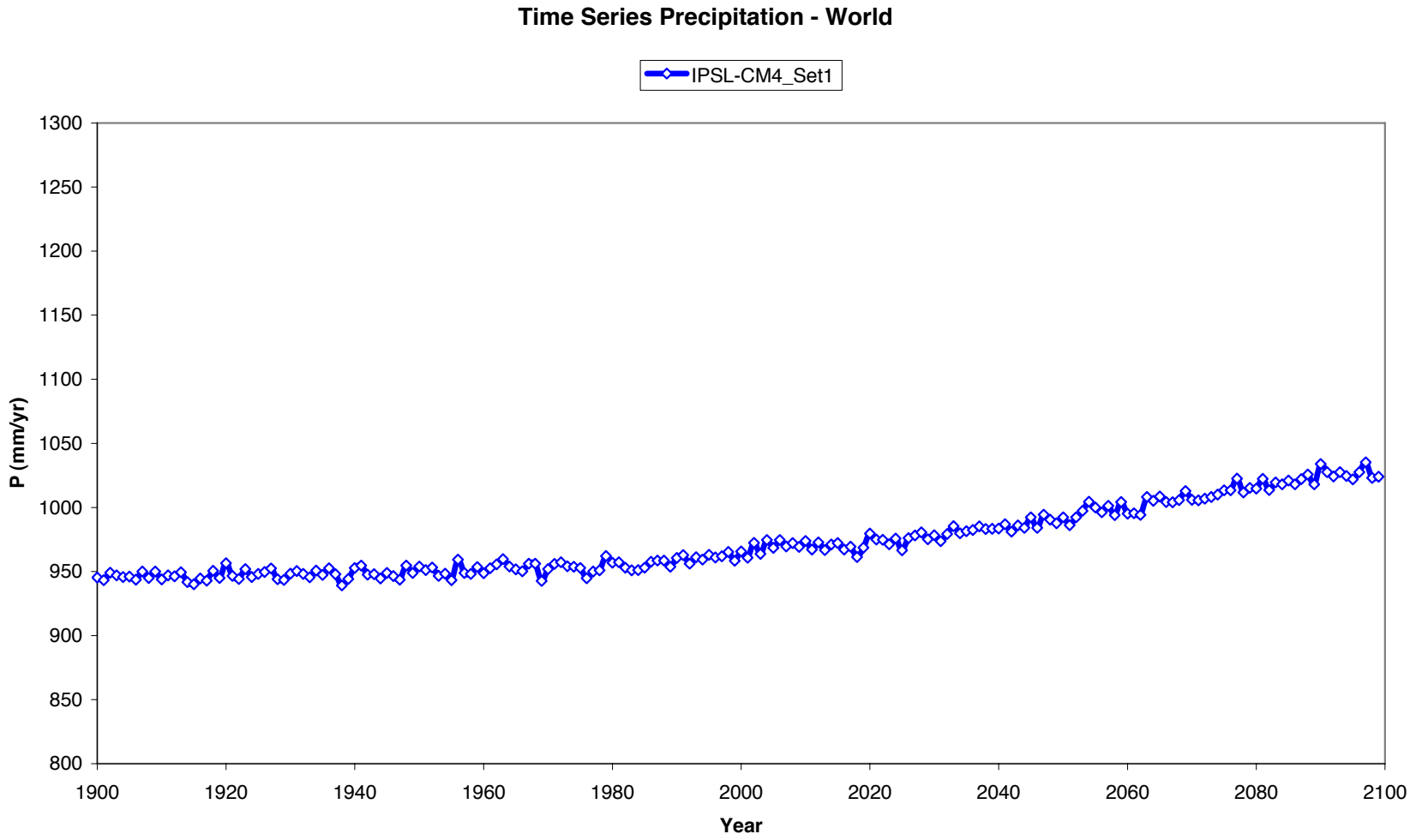

Time Series Precipitation - Australia
Observed
GISS-ER_Set1
GISS-ER_Set2
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

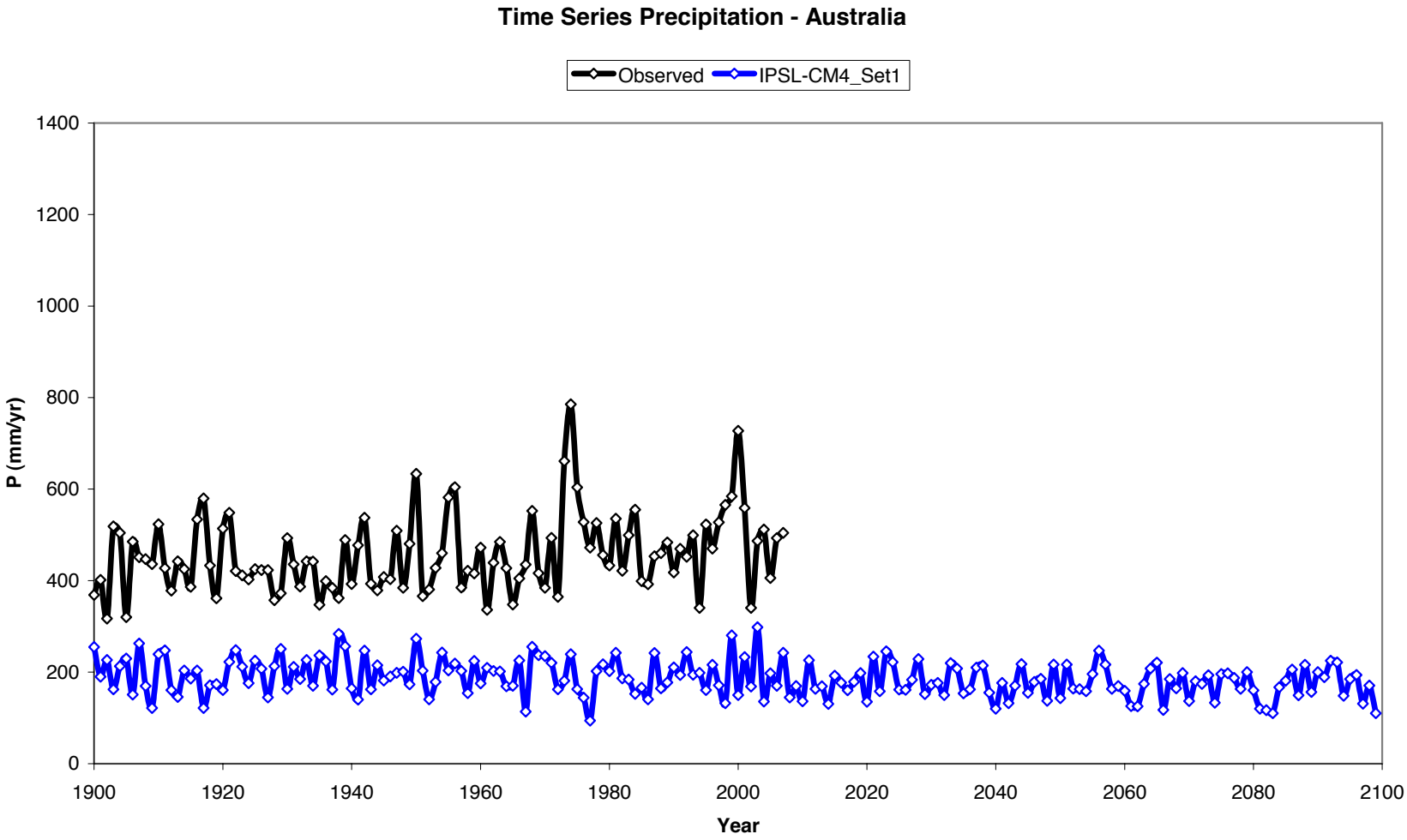

Time Series Precipitation - World
INGV-ECHAM4_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

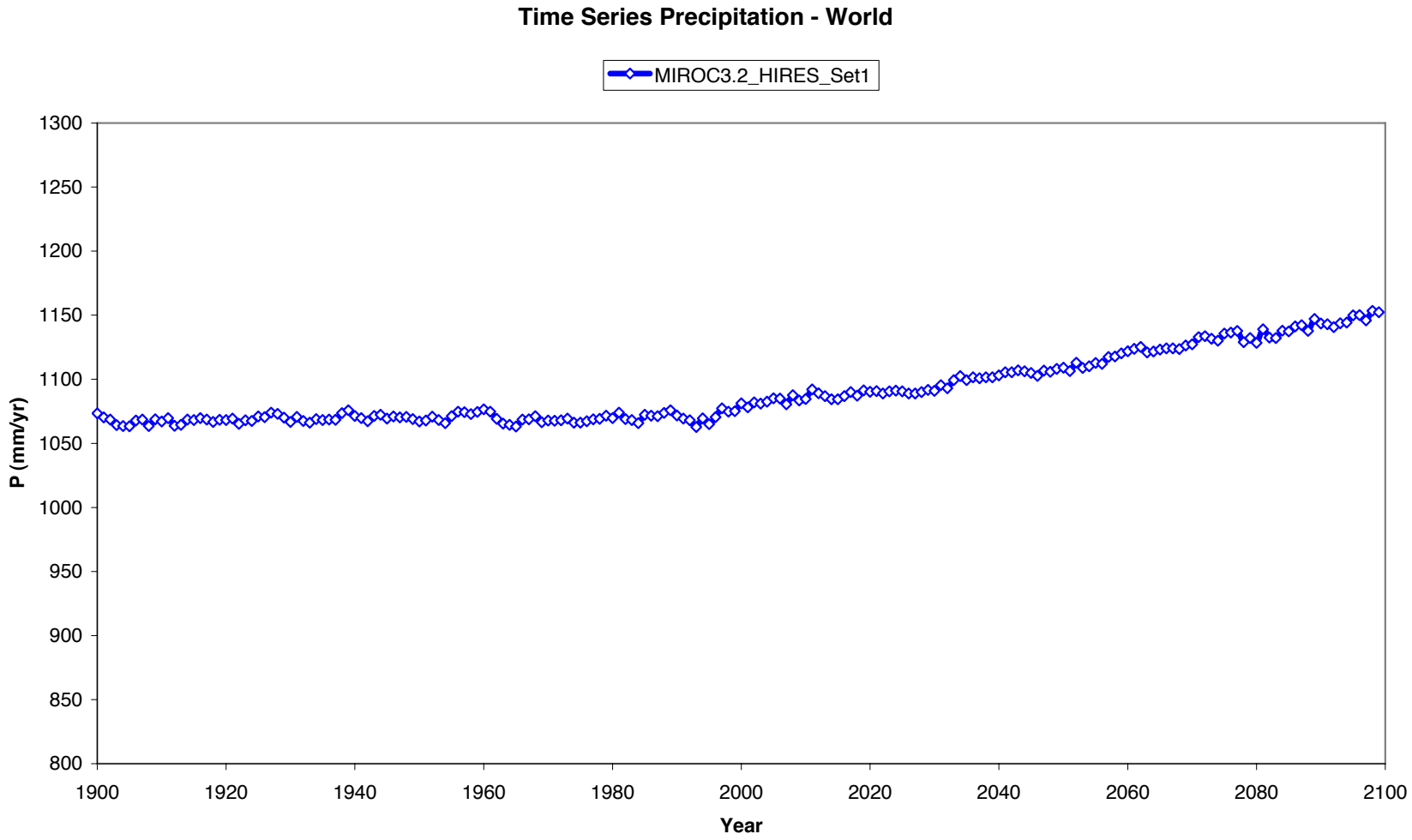

Time Series Precipitation - Australia
Observed
INGV-ECHAM4_Set1
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

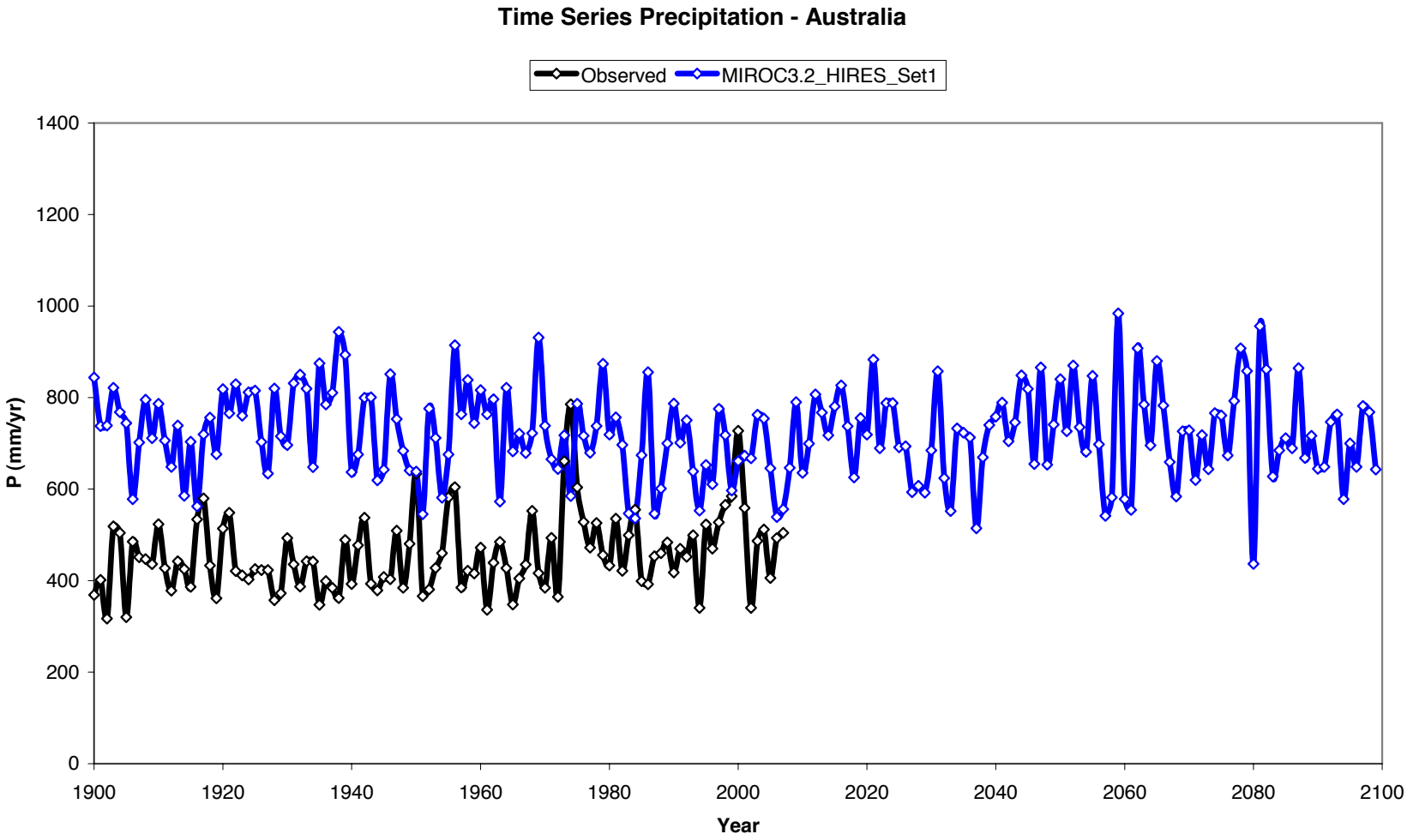

Time Series Precipitation - World
INM-CM3.0_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

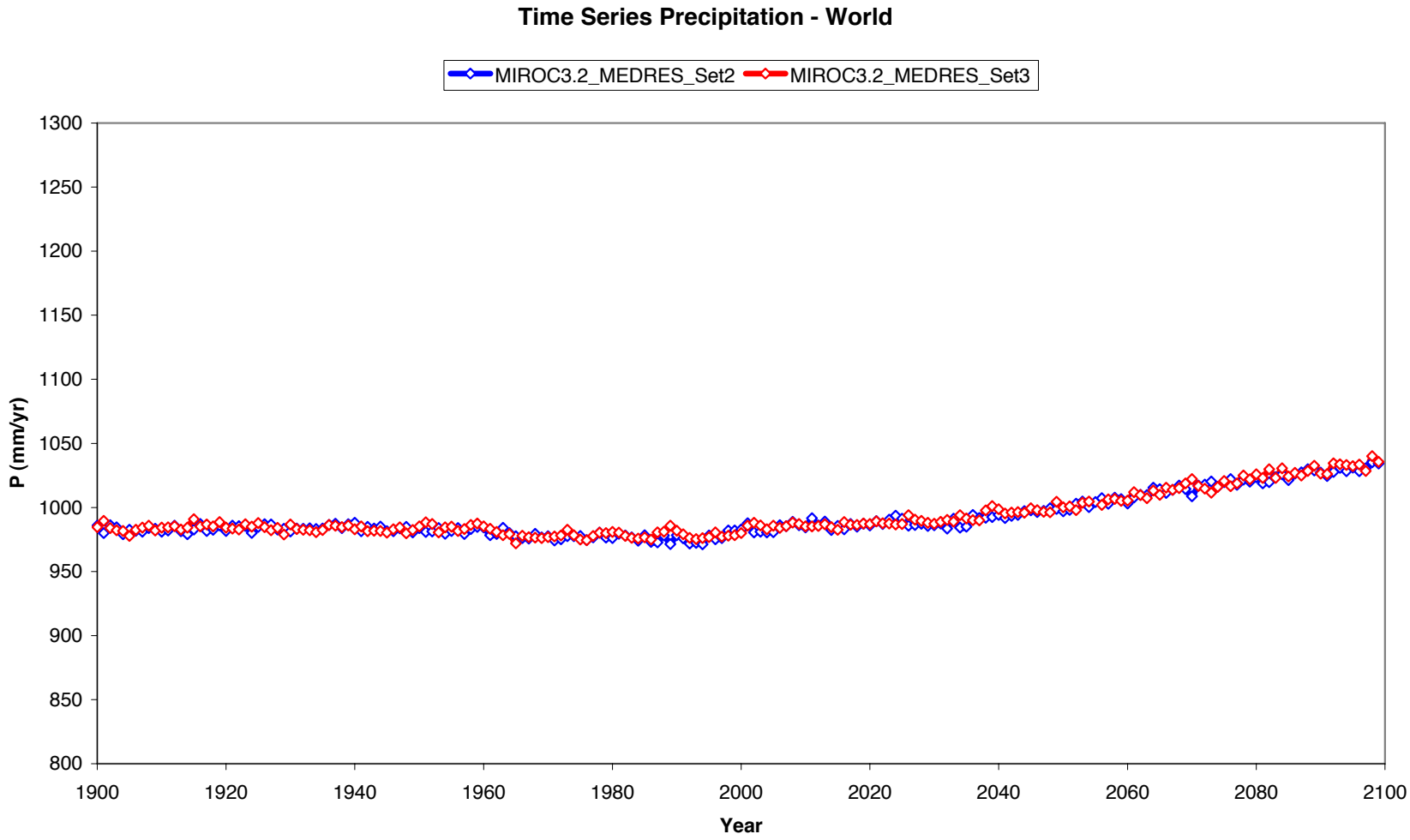

Time Series Precipitation - Australia
Observed
INM-CM3.0_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

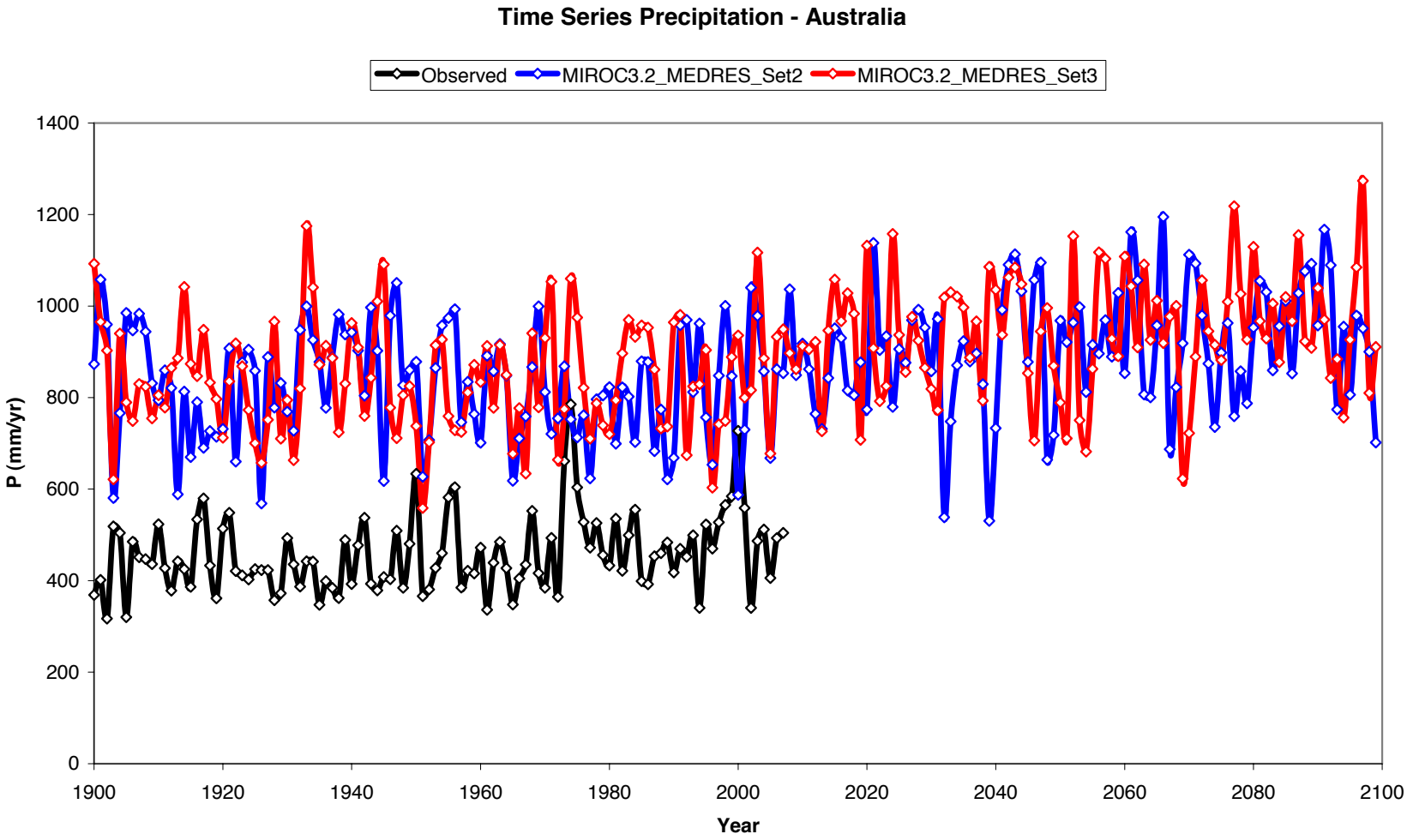

Time Series Precipitation - World
IPSL-CM4_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

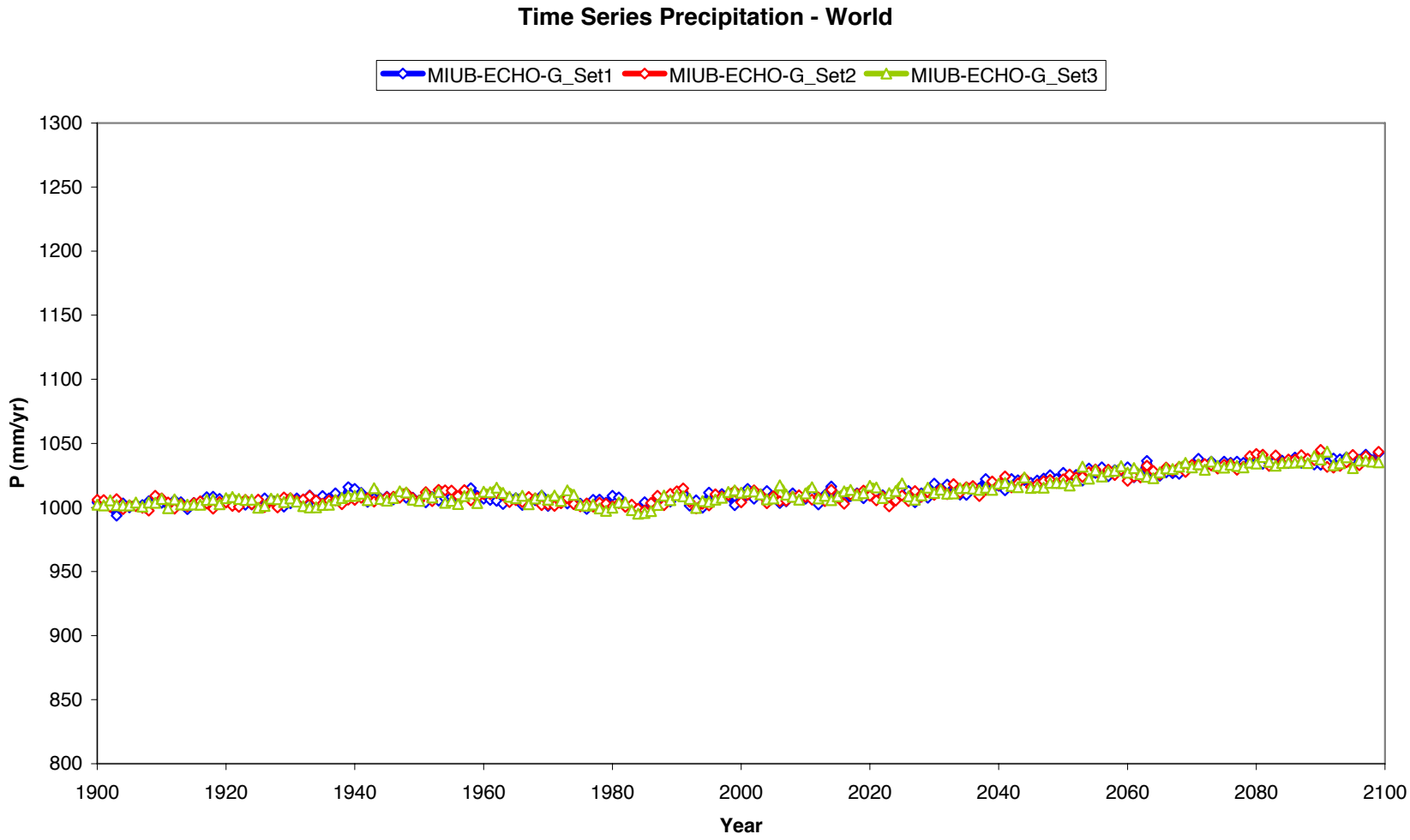

Time Series Precipitation - Australia
Observed
IPSL-CM4_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

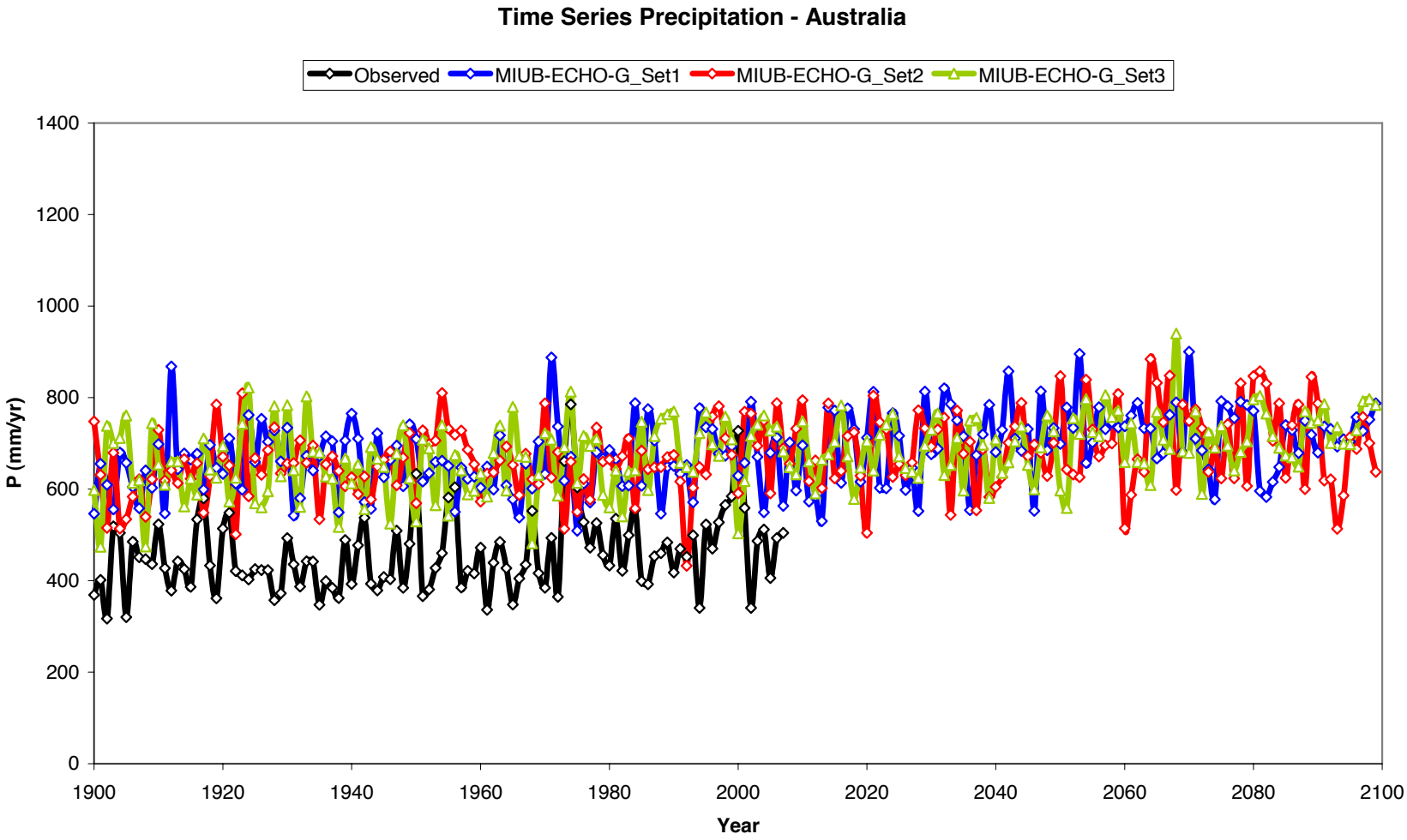

Time Series Precipitation - World
MIROC3.2_HIRES_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

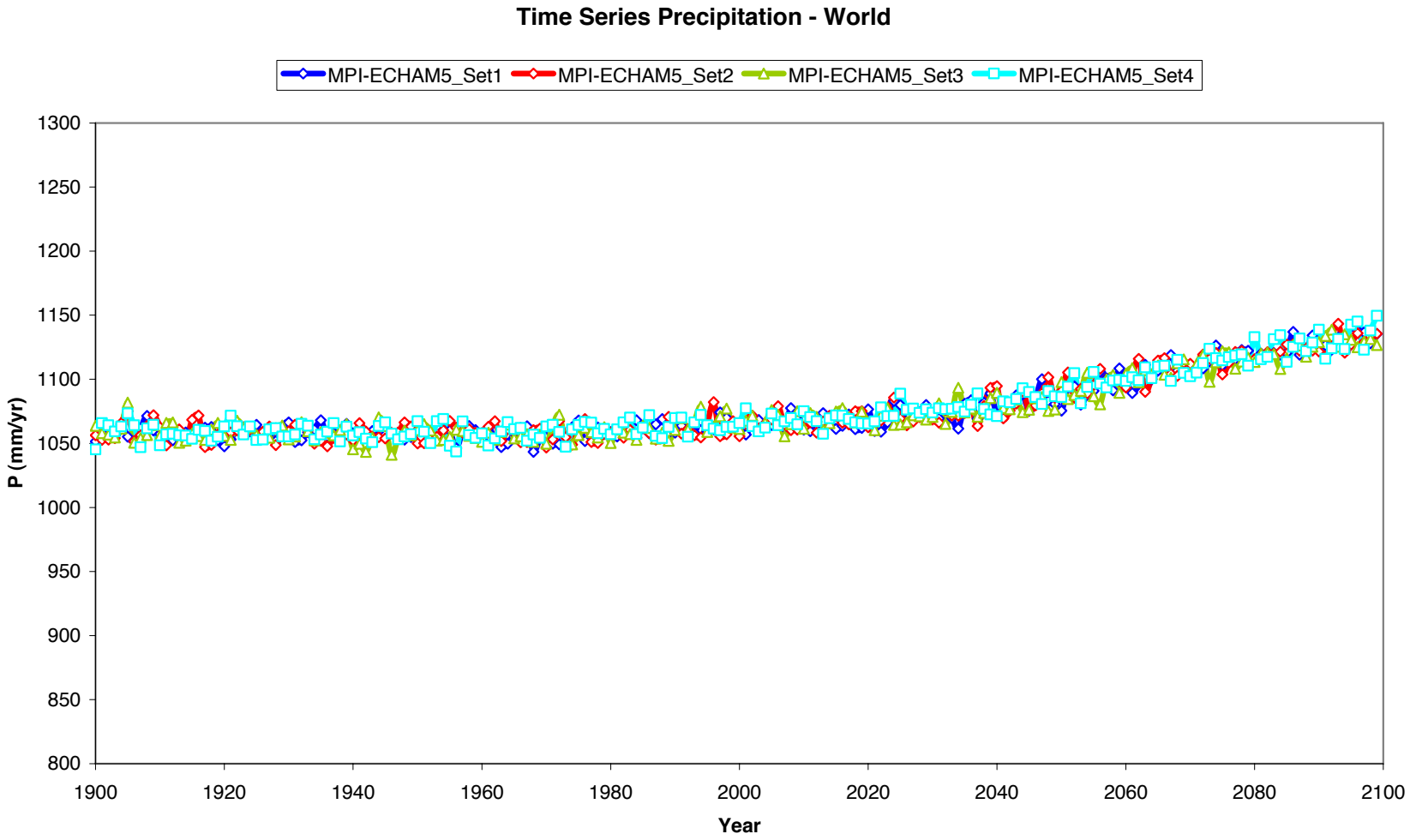

Time Series Precipitation - Australia
Observed
MIROC3.2_HIRES_Set1
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

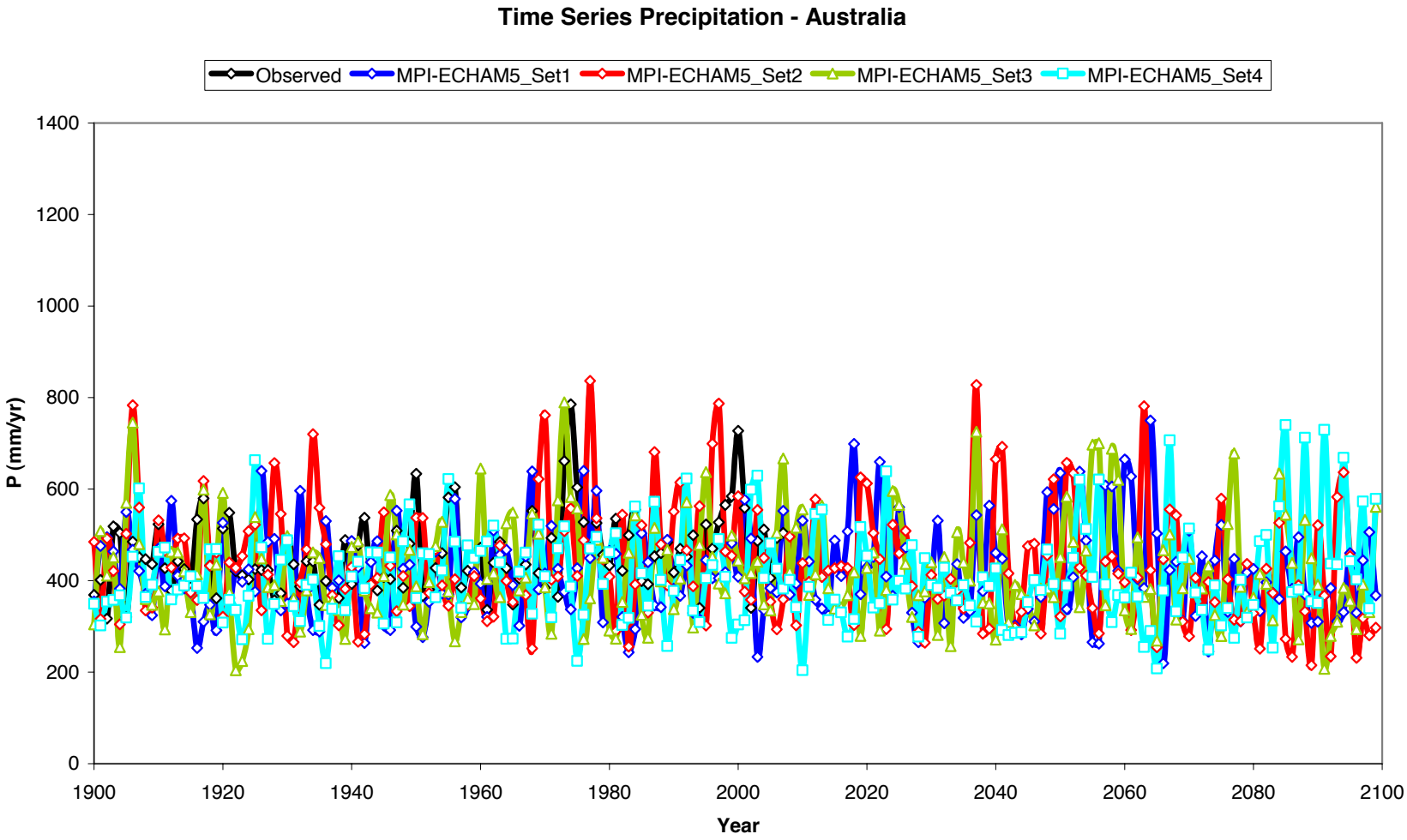

Time Series Precipitation - World
MIROC3.2_MEDRES_Set2
MIROC3.2_MEDRES_Set3
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

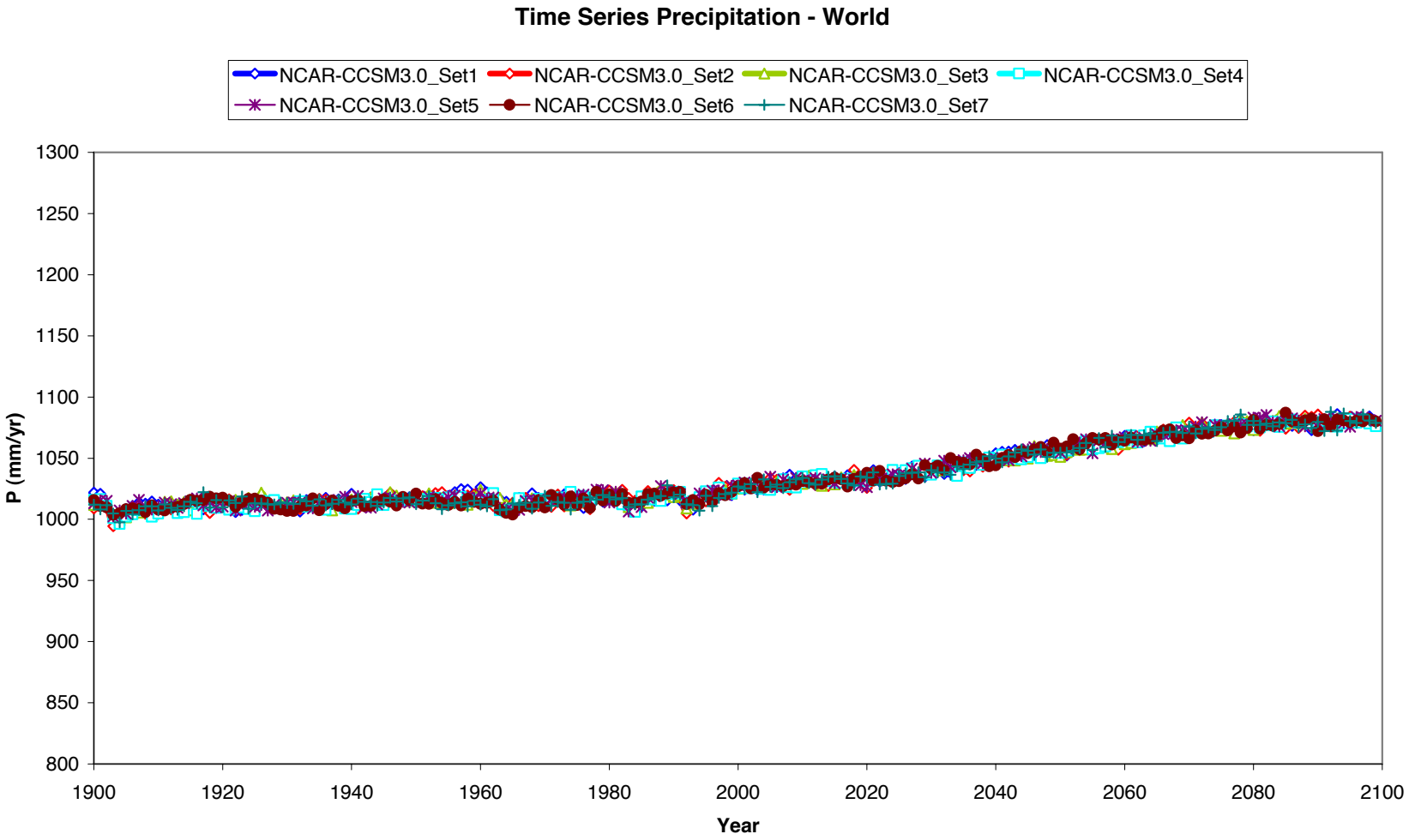

Time Series Precipitation - Australia
Observed
MIROC3.2_MEDRES_Set2
MIROC3.2_MEDRES_Set3
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

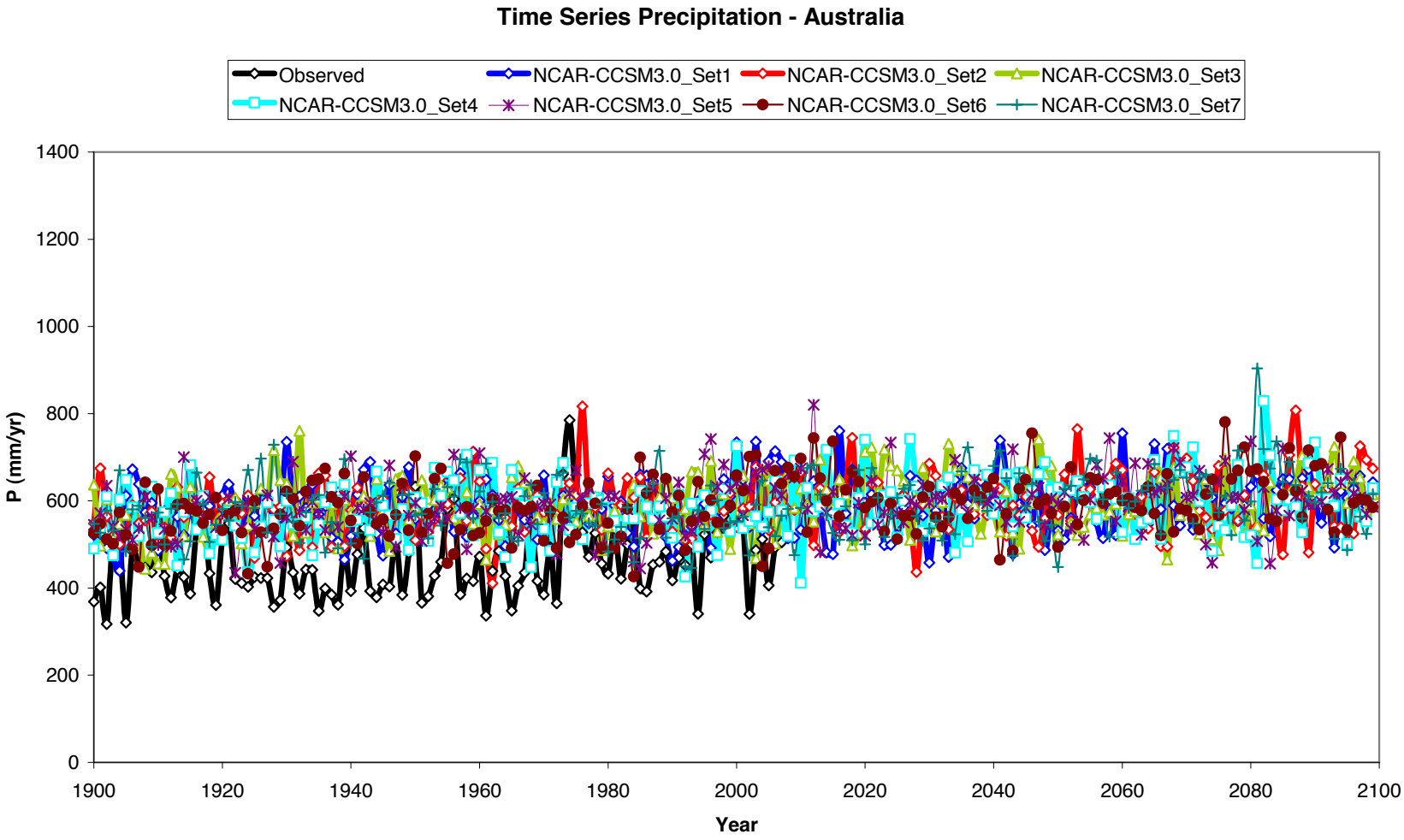

Time Series Precipitation - World
MIUB-ECHO-G_Set1
MIUB-ECHO-G_Set2
MIUB-ECHO-G_Set3
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

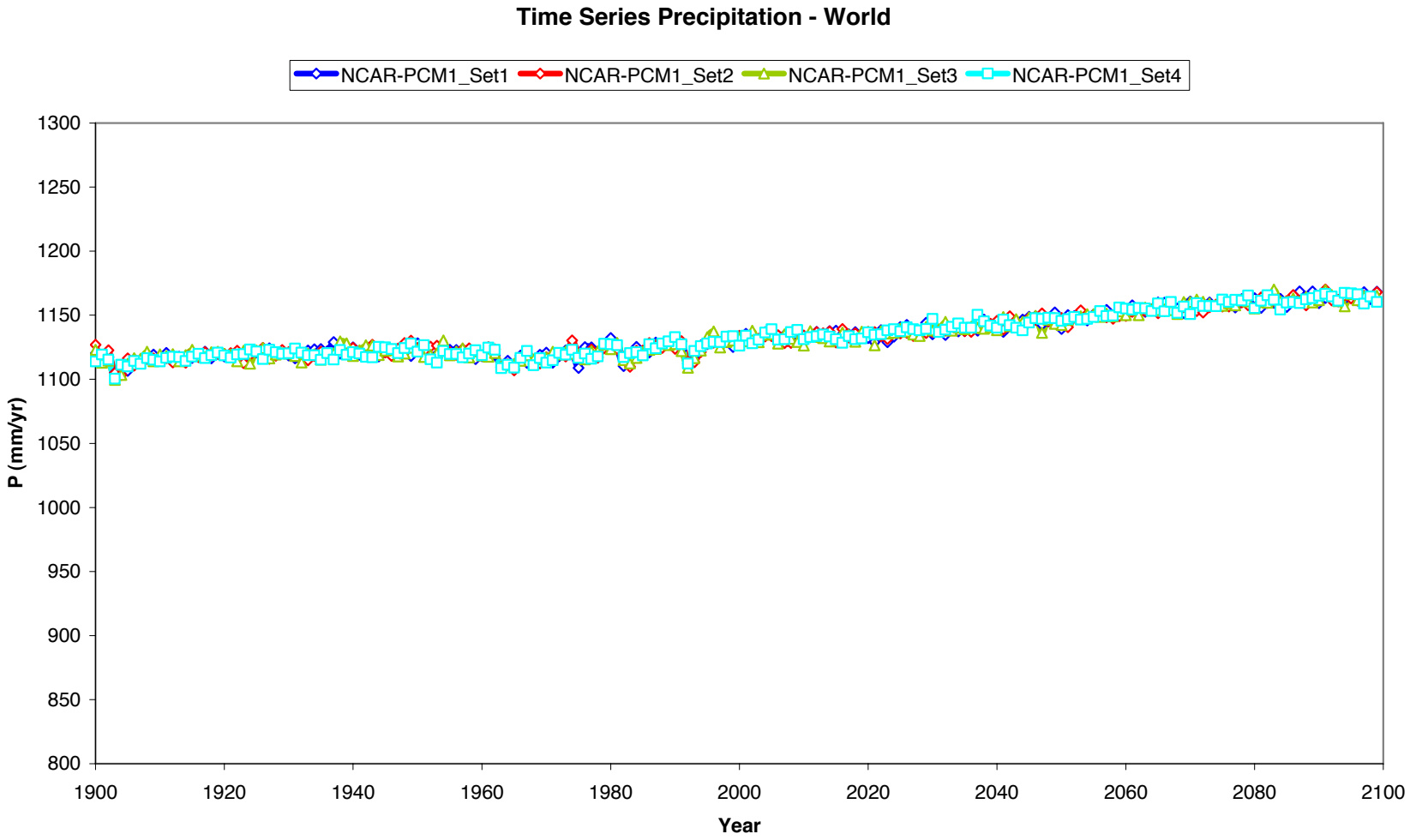

Time Series Precipitation - Australia
Observed
MIUB-ECHO-G_Set1
MIUB-ECHO-G_Set2
MIUB-ECHO-G_Set3
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

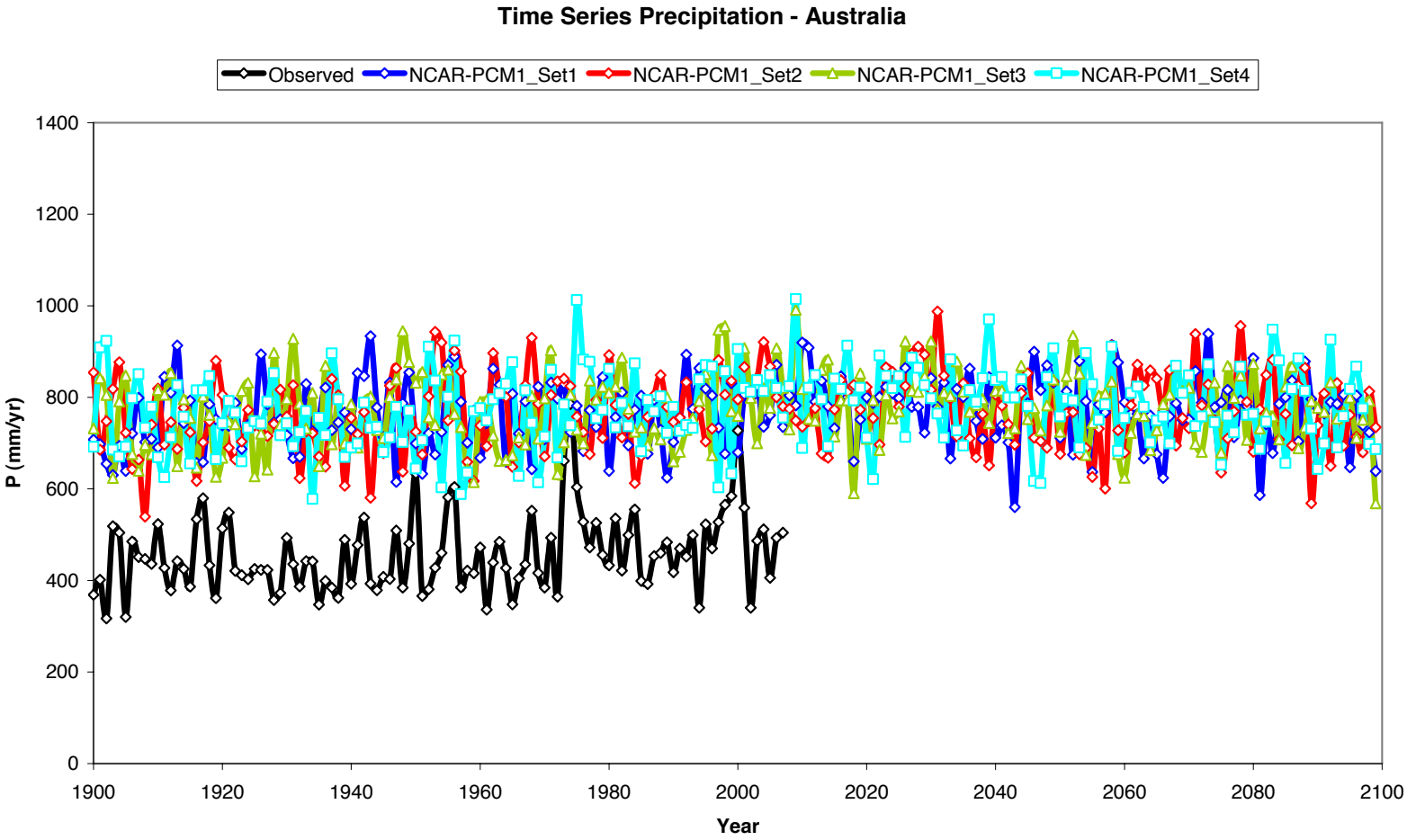

Time Series Precipitation - World
MPI-ECHAM5_Set1
MPI-ECHAM5_Set2
MPI-ECHAM5_Set3
MPI-ECHAM5_Set4
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

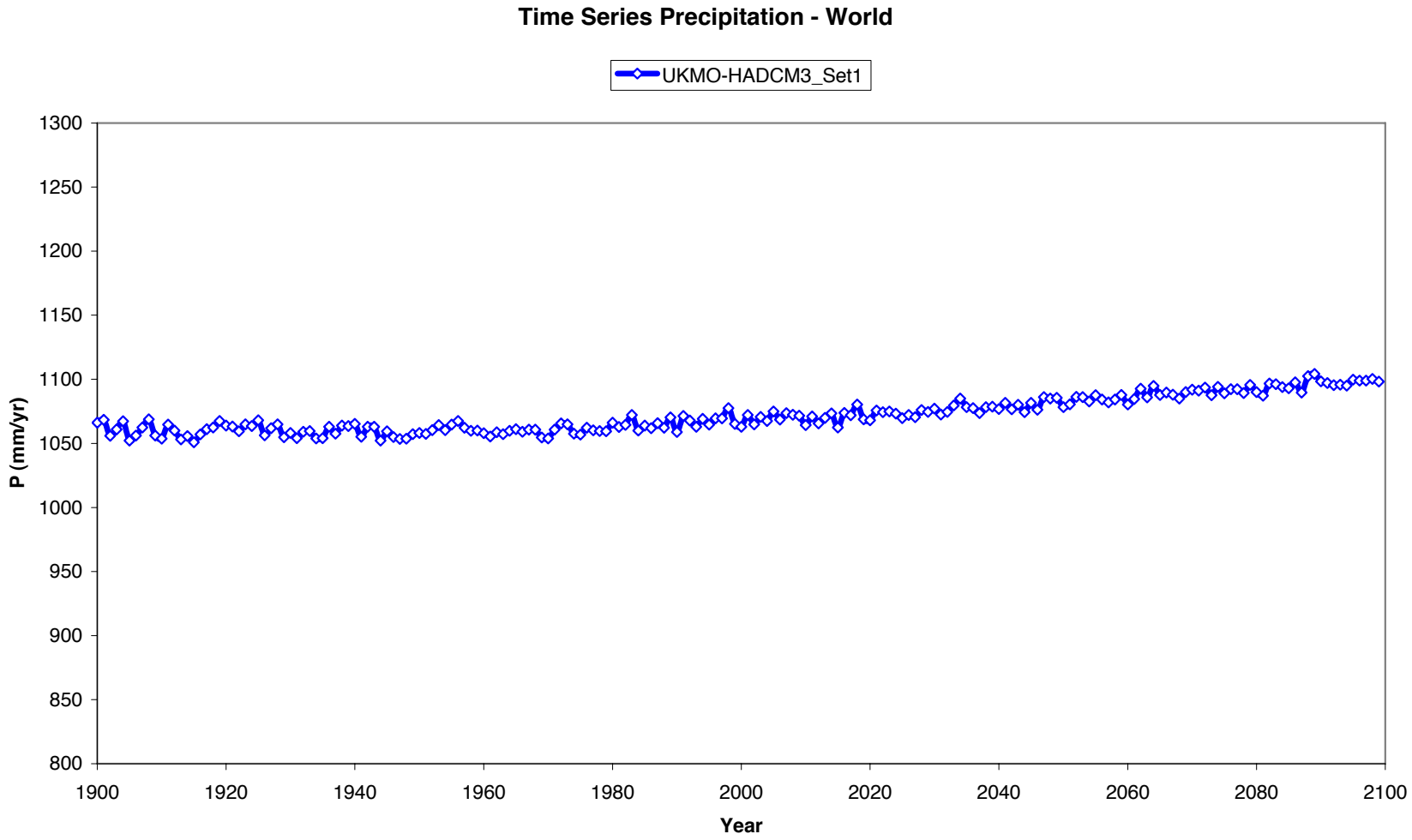

Time Series Precipitation - Australia
Observed
MPI-ECHAM5_Set1
MPI-ECHAM5_Set2
MPI-ECHAM5_Set3
MPI-ECHAM5_Set4
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

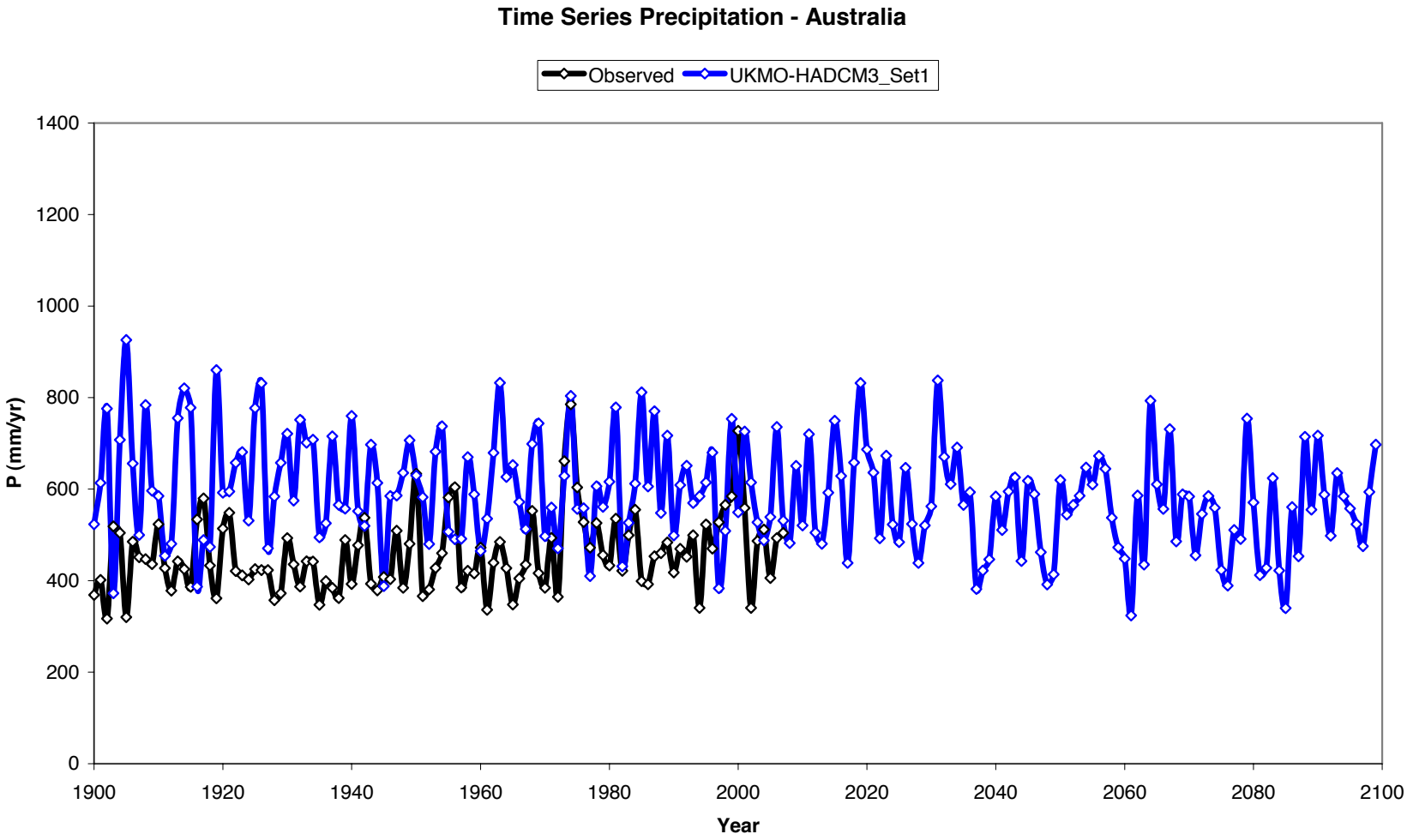

Time Series Precipitation - World
NCAR-CCSM3.0_Set1
NCAR-CCSM3.0_Set2
NCAR-CCSM3.0_Set3
NCAR-CCSM3.0_Set4
NCAR-CCSM3.0_Set5
NCAR-CCSM3.0_Set6
NCAR-CCSM3.0_Set7
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

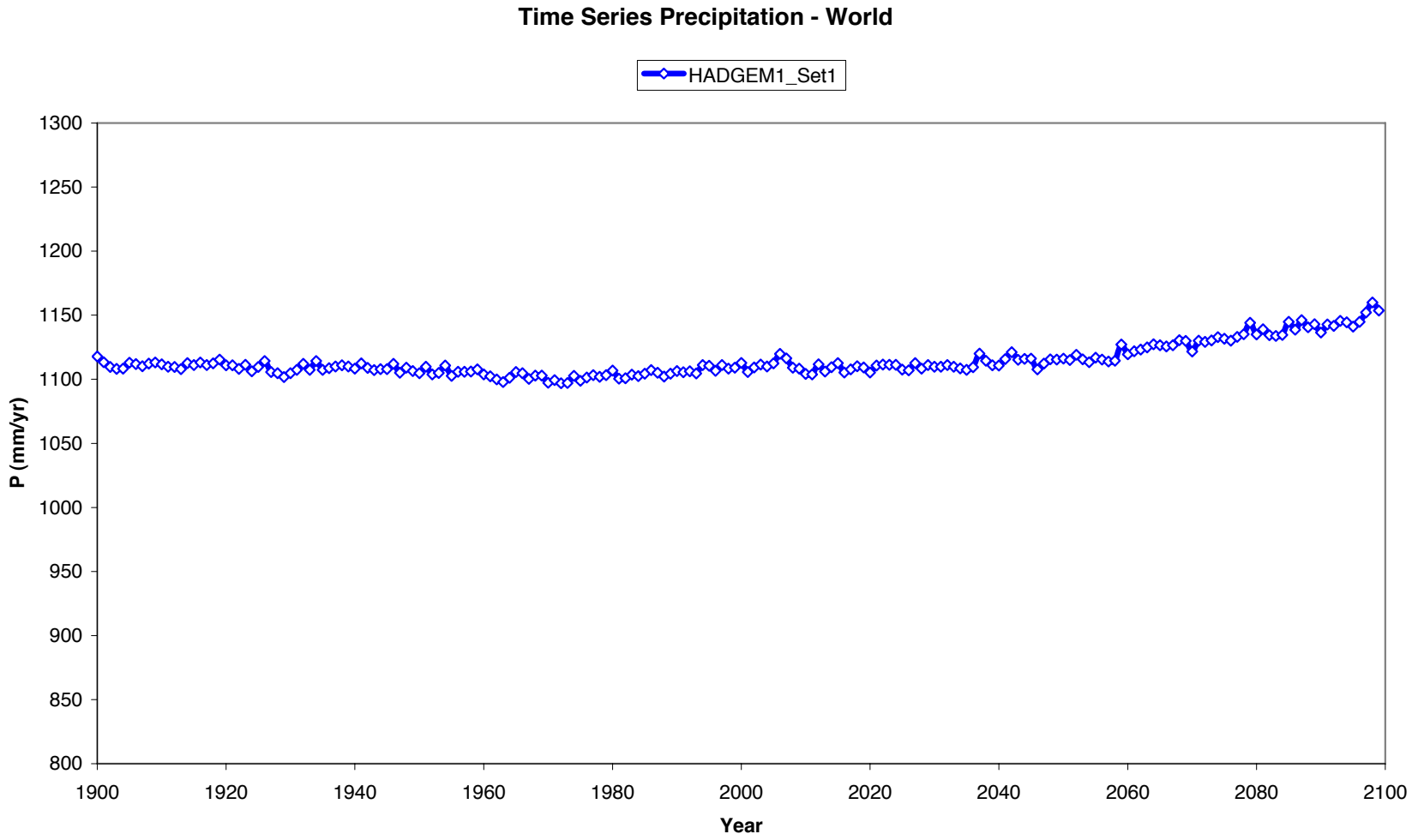

Time Series Precipitation - Australia
Observed
NCAR-CCSM3.0_Set1
NCAR-CCSM3.0_Set2
NCAR-CCSM3.0_Set3
NCAR-CCSM3.0_Set4
NCAR-CCSM3.0_Set5
NCAR-CCSM3.0_Set6
NCAR-CCSM3.0_Set7
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

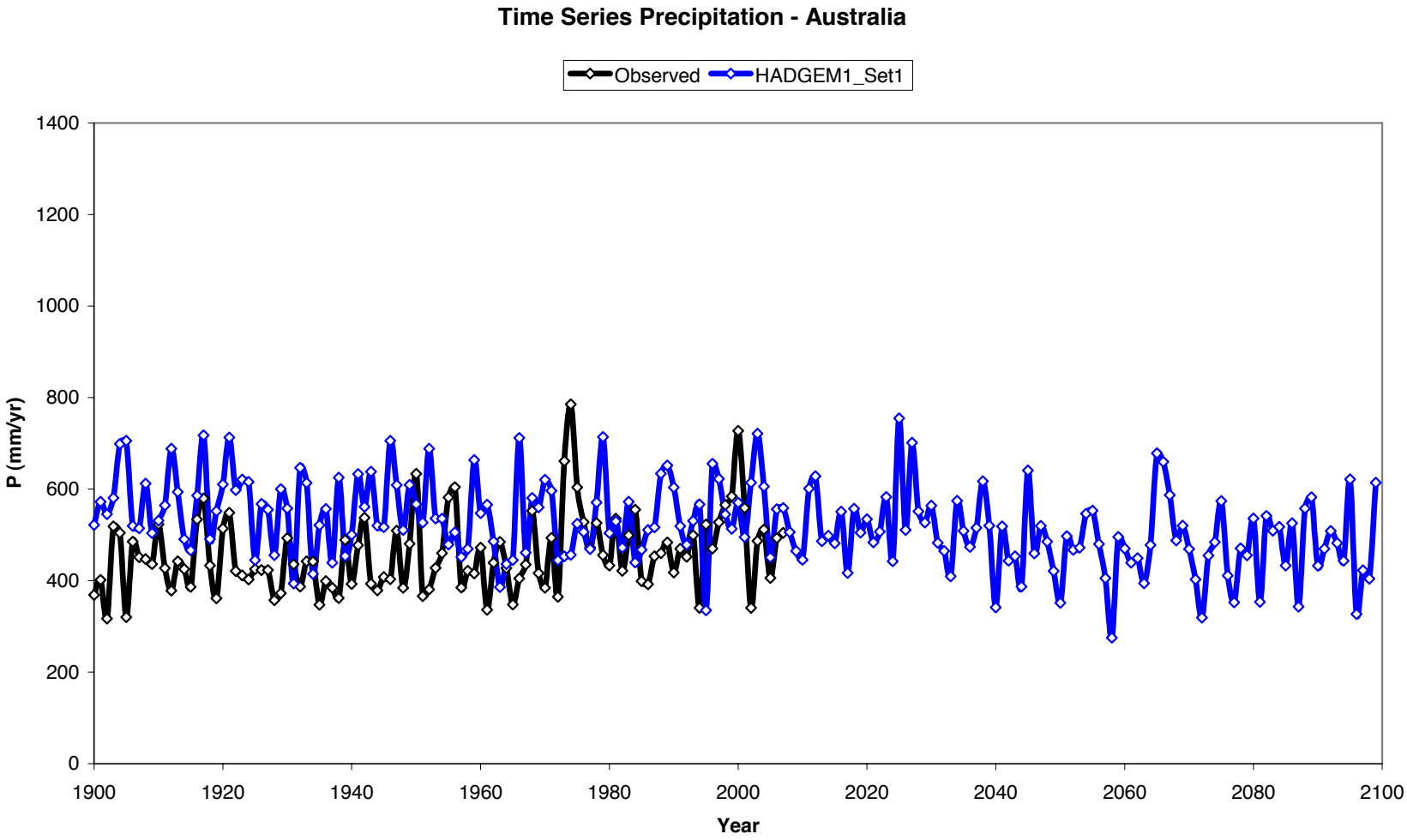

Time Series Precipitation - World
NCAR-PCM1_Set1
NCAR-PCM1_Set2
NCAR-PCM1_Set3
NCAR-PCM1_Set4
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year


Time Series Precipitation - Australia
Observed
NCAR-PCM1_Set1
NCAR-PCM1_Set2
NCAR-PCM1_Set3
NCAR-PCM1_Set4
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year


Time Series Precipitation - World
UKMO-HADCM3_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year


Time Series Precipitation - Australia
Observed
UKMO-HADCM3_Set1
P (mm/yr)
0
200
400
600
800
1000
1200
1400
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year


Time Series Precipitation - World
HADGEM1_Set1
P (mm/yr)
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year


Time Series Precipitation - Australia
Observed
HADGEM1_Set1
P (mm/yr)
1400
1200
1000
800
600
400
200
0
1900
1920
1940
1960
1980
2000
2020
2040
2060
2080
2100
Year

3.3 Global Hydrologic Summary

Hydrologic Statistics - Globe																			
Models	1970 - 1999 (20C3M)											Δ(1970-1999 (20C3M) to 2070-2099 (A1B))							
	Globe			Ocean				Land				Globe		Ocean			Land		
	Area	P	E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
BCCR-BCM2.0_Set1	5.09E+14	1091.8	1091.8	3.65E+14	1185.7	1287.0	-101.3	1.44E+14	854.6	598.7	255.9	45.6	45.6	49.6	54.1	-4.4	35.5	24.3	11.2
CGCM3.1(t63)_Set1	5.09E+14	996.9	996.9	3.55E+14	1120.6	1220.7	-100.1	1.54E+14	711.7	480.6	231.0	57.2	57.2	62.2	69.6	-7.4	45.8	28.6	17.2
CNRM-CM3_Set1	5.09E+14	1187.2	1187.2	3.66E+14	1311.3	1400.5	-89.2	1.43E+14	868.6	639.7	228.9	45.9	45.9	48.2	52.3	-4.1	40.0	29.5	10.5
CSIRO-Mk3.0_Set1	5.09E+14	916.5	916.5	3.60E+14	1017.6	1096.3	-78.7	1.50E+14	673.8	484.7	189.2	25.8	25.8	36.4	35.3	1.2	0.2	3.0	-2.8
CSIRO-Mk3.5_Set1	5.09E+14	985.3	985.3	3.60E+14	1110.9	1203.1	-92.2	1.50E+14	683.7	462.3	221.4	55.5	55.5	76.0	74.0	2.0	6.2	11.0	-4.7
GFDL-CM2.0_Set1	5.09E+14	1002.7	1002.7	3.58E+14	1111.9	1220.0	-108.1	1.51E+14	743.8	487.8	256.0	27.6	27.6	41.7	40.1	1.6	-5.6	-1.7	-3.9
GISS-AOM_Set1	5.09E+14	1036.6	1036.6	3.82E+14	1093.6	1157.2	-63.7	1.28E+14	866.1	675.8	190.3	32.0	32.0	30.6	34.8	-4.2	36.0	23.5	12.5
GISS-AOM_Set2	5.09E+14	1035.6	1035.6	3.82E+14	1092.4	1156.3	-63.9	1.28E+14	865.8	674.8	191.0	32.7	32.7	31.6	35.4	-3.8	35.9	24.5	11.3
GISS-EH_Set1	5.09E+14	1096.1	1096.1	3.65E+14	1208.3	1294.9	-86.7	1.45E+14	813.4	594.8	218.5	44.3	44.3	41.9	52.1	-10.2	50.3	24.6	25.7
GISS-EH_Set2	5.09E+14	1092.1	1092.1	3.65E+14	1205.6	1290.9	-85.2	1.45E+14	805.9	591.0	215.0	48.8	48.8	44.7	56.8	-12.1	59.2	28.7	30.5
GISS-EH_Set3	5.09E+14	1095.2	1095.2	3.65E+14	1207.8	1293.9	-86.1	1.45E+14	811.3	594.2	217.1	43.2	43.2	40.6	50.8	-10.1	49.8	24.3	25.5
GISS-ER_Set1	5.09E+14	1080.6	1080.6	3.65E+14	1184.9	1283.3	-98.4	1.45E+14	817.6	569.5	248.1	44.5	44.5	43.6	53.5	-9.9	46.8	21.8	24.9
GISS-ER_Set2	5.09E+14	1080.9	1080.9	3.65E+14	1185.1	1283.2	-98.1	1.45E+14	818.2	570.8	247.4	43.9	43.9	43.8	53.7	-9.9	44.4	19.4	25.0
INGV-ECHAM4_Set1	5.09E+14	1005.8	1005.8	3.64E+14	1104.2	1201.5	-97.4	1.45E+14	758.1	513.2	244.9	22.9	22.9	22.6	28.9	-6.4	23.8	7.8	16.0
INM-CM3.0_Set1	5.09E+14	1035.0	1035.0	3.58E+14	1172.9	1241.9	-69.0	1.52E+14	709.5	546.7	162.8	45.7	45.7	50.6	53.7	-3.1	34.2	26.8	7.4
IPSL-CM4_Set1	5.09E+14	956.4	956.4	3.58E+14	1082.4	1173.5	-91.1	1.52E+14	659.2	444.4	214.8	62.7	62.7	76.8	83.7	-6.9	29.5	13.3	16.2
MIROC3.2_HIRES_Set1	5.09E+14	1069.9	1069.9	3.62E+14	1146.2	1273.9	-127.7	1.47E+14	882.0	567.5	314.5	69.1	69.1	75.8	83.9	-8.0	52.4	32.5	19.8
MIROC3.2_MEDRES_Set2	5.09E+14	976.3	976.3	3.64E+14	1052.9	1140.9	-88.0	1.46E+14	784.7	565.0	219.8	47.9	47.9	42.5	53.7	-11.3	61.4	33.3	28.2
MIROC3.2_MEDRES_Set3	5.09E+14	978.3	978.3	3.64E+14	1052.7	1141.9	-89.2	1.46E+14	792.6	569.7	222.8	47.6	47.6	42.3	53.6	-11.3	60.7	32.6	28.1
MIUB-ECHO-G_Set1	5.09E+14	1004.6	1004.6	3.64E+14	1098.9	1185.8	-87.0	1.45E+14	768.2	550.3	217.9	31.4	31.4	14.1	29.9	-15.8	74.8	35.2	39.6
MIUB-ECHO-G_Set2	5.09E+14	1004.4	1004.4	3.64E+14	1098.8	1186.1	-87.3	1.45E+14	767.9	549.2	218.7	31.6	31.6	15.4	29.7	-14.3	72.2	36.4	35.8
MIUB-ECHO-G_Set3	5.09E+14	1004.3	1004.3	3.64E+14	1098.6	1185.5	-86.9	1.45E+14	768.0	550.1	217.8	30.5	30.5	13.6	29.0	-15.4	73.0	34.4	38.6
MPI-ECHAM5_Set1	5.09E+14	1060.6	1060.6	3.62E+14	1209.4	1292.0	-82.5	1.47E+14	695.1	492.4	202.7	62.0	62.0	68.4	75.1	-6.7	46.1	29.7	16.4
MPI-ECHAM5_Set2	5.09E+14	1059.2	1059.2	3.62E+14	1205.4	1288.7	-83.2	1.47E+14	699.9	495.5	204.4	63.1	63.1	72.5	78.5	-6.0	39.9	25.3	14.7
MPI-ECHAM5_Set3	5.09E+14	1060.5	1060.5	3.62E+14	1208.9	1292.0	-83.1	1.47E+14	696.1	492.0	204.1	60.5	60.5	66.1	72.8	-6.7	46.5	30.1	16.4
MPI-ECHAM5_Set4	5.09E+14	1062.4	1062.4	3.62E+14	1212.0	1294.9	-82.9	1.47E+14	695.1	491.5	203.6	61.7	61.7	64.3	72.5	-8.2	55.4	35.2	20.2
NCAR-CCSM3.0_Set1	5.09E+14	1016.5	1016.5	3.60E+14	1123.7	1239.2	-115.5	1.49E+14	757.8	479.2	278.7	61.3	61.3	53.2	67.1	-13.9	80.8	47.3	33.5

NCAR-CCSM3.0_Set2	5.09E+14	1018.2	1018.2	3.60E+14	1123.8	1240.8	-117.1	1.49E+14	763.4	480.9	282.5	60.1	60.1	53.3	65.9	-12.6	76.3	45.9	30.4
NCAR-CCSM3.0_Set3	5.09E+14	1017.1	1017.1	3.60E+14	1123.3	1239.9	-116.6	1.49E+14	760.6	479.3	281.4	61.2	61.2	53.7	67.0	-13.3	79.2	47.2	32.0
NCAR-CCSM3.0_Set4	5.09E+14	1017.5	1017.5	3.60E+14	1123.7	1241.1	-117.4	1.49E+14	761.2	477.9	283.2	59.8	59.8	51.6	64.5	-12.9	79.3	48.2	31.1
NCAR-CCSM3.0_Set5	5.09E+14	1018.4	1018.4	3.60E+14	1123.5	1241.7	-118.2	1.49E+14	764.8	479.7	285.1	60.6	60.6	54.2	66.0	-11.8	76.2	47.6	28.6
NCAR-CCSM3.0_Set6	5.09E+14	1017.1	1017.1	3.60E+14	1123.4	1240.2	-116.8	1.49E+14	760.6	478.7	281.9	59.9	59.9	51.4	65.0	-13.6	80.3	47.5	32.8
NCAR-CCSM3.0_Set7	5.09E+14	1015.8	1015.8	3.60E+14	1121.8	1238.2	-116.4	1.49E+14	759.8	479.0	280.8	62.6	62.6	53.9	68.3	-14.5	83.6	48.7	34.9
NCAR-PCM1_Set1	5.09E+14	1122.8	1122.8	3.60E+14	1265.0	1354.5	-89.5	1.49E+14	780.2	564.8	215.5	38.7	38.7	35.4	41.5	-6.1	46.4	31.8	14.6
NCAR-PCM1_Set2	5.09E+14	1122.9	1122.9	3.60E+14	1264.3	1354.2	-89.9	1.49E+14	782.3	565.7	216.6	37.8	37.8	36.5	41.9	-5.3	41.1	28.2	12.9
NCAR-PCM1_Set3	5.09E+14	1122.5	1122.5	3.60E+14	1264.8	1353.9	-89.1	1.49E+14	779.8	565.2	214.6	39.1	39.1	36.4	42.3	-5.8	45.6	31.5	14.1
NCAR-PCM1_Set4	5.09E+14	1123.4	1123.4	3.60E+14	1266.3	1355.6	-89.2	1.49E+14	779.1	564.3	214.9	37.9	37.9	33.9	40.8	-6.9	47.5	30.8	16.7
UKMO-HADCM3_Set1	5.09E+14	1064.2	1064.2	3.62E+14	1181.5	1269.9	-88.3	1.47E+14	776.0	559.1	217.0	30.6	30.6	37.9	47.8	-9.9	12.6	-11.6	24.2
UKMO-HADGEM1_Set1	5.09E+14	1103.9	1103.9	3.62E+14	1226.5	1333.6	-107.1	1.47E+14	801.4	537.0	264.4	35.1	35.1	42.3	50.4	-8.0	17.3	-2.6	19.8
SUMMARY STATISTICS																			
Mean		1045.0	1045.0		1156.7	1251.0	-94.3		770.2	537.5	232.7	**46.9**	**46.9**	46.4	54.8	-8.4	48.2	27.6	20.7
SD		55.1	55.1		68.5	68.9	15.4		55.8	57.5	33.9	13.0	13.0	16.3	15.9	4.6	23.1	14.6	11.2
Min		916.5	916.5		1017.6	1096.3	-127.7		659.2	444.4	162.8	**22.9**	**22.9**	13.6	28.9	-15.8	-5.6	-11.6	-4.7
Max		1187.2	1187.2		1311.3	1400.5	-63.7		882.0	675.8	314.5	**69.1**	**69.1**	76.8	83.9	2.0	83.6	48.7	39.6
Number of Model Runs showing increases												39	39						
Number of Model Runs showing decreases												0	0						

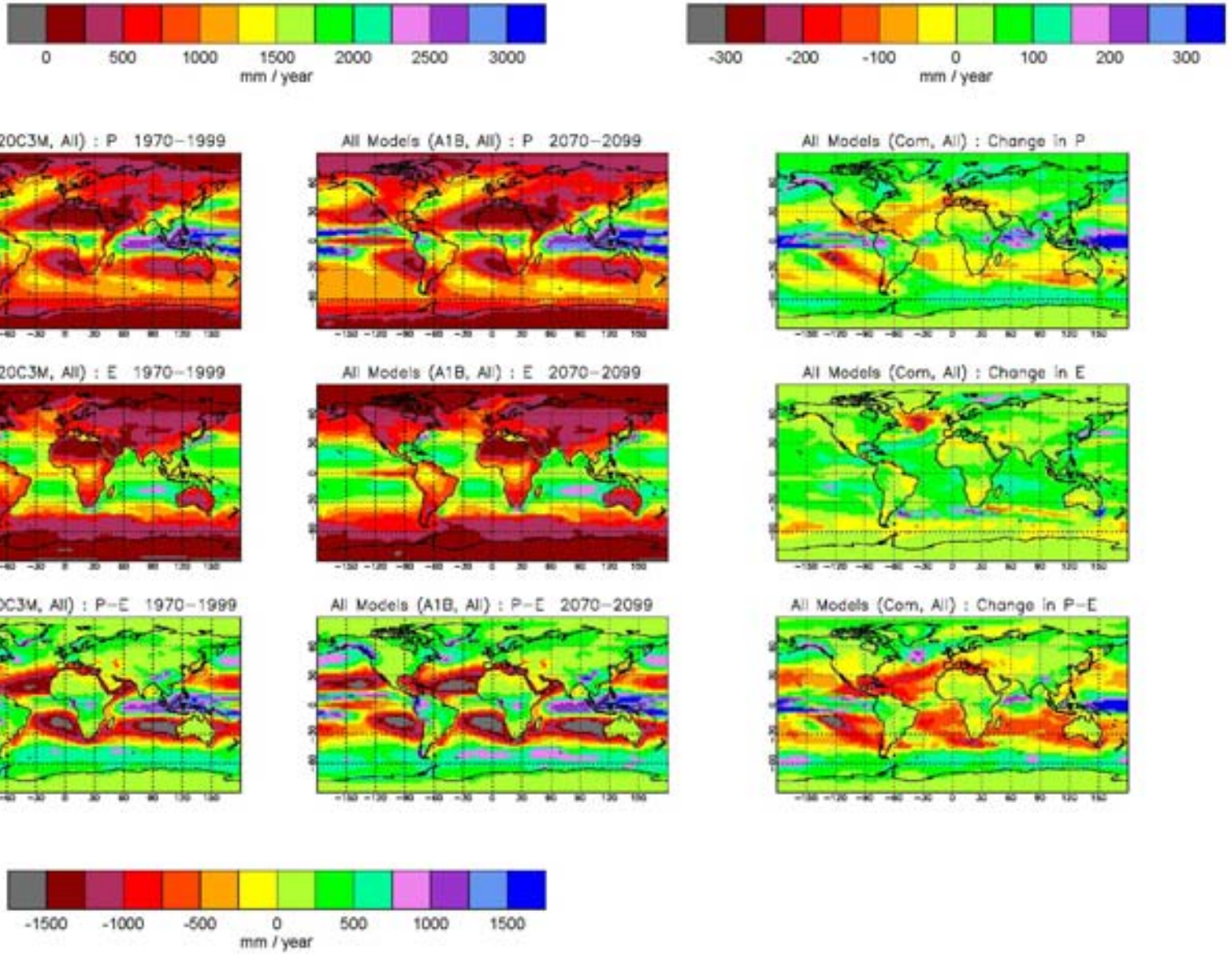
3.4 Australian Hydrologic Summary

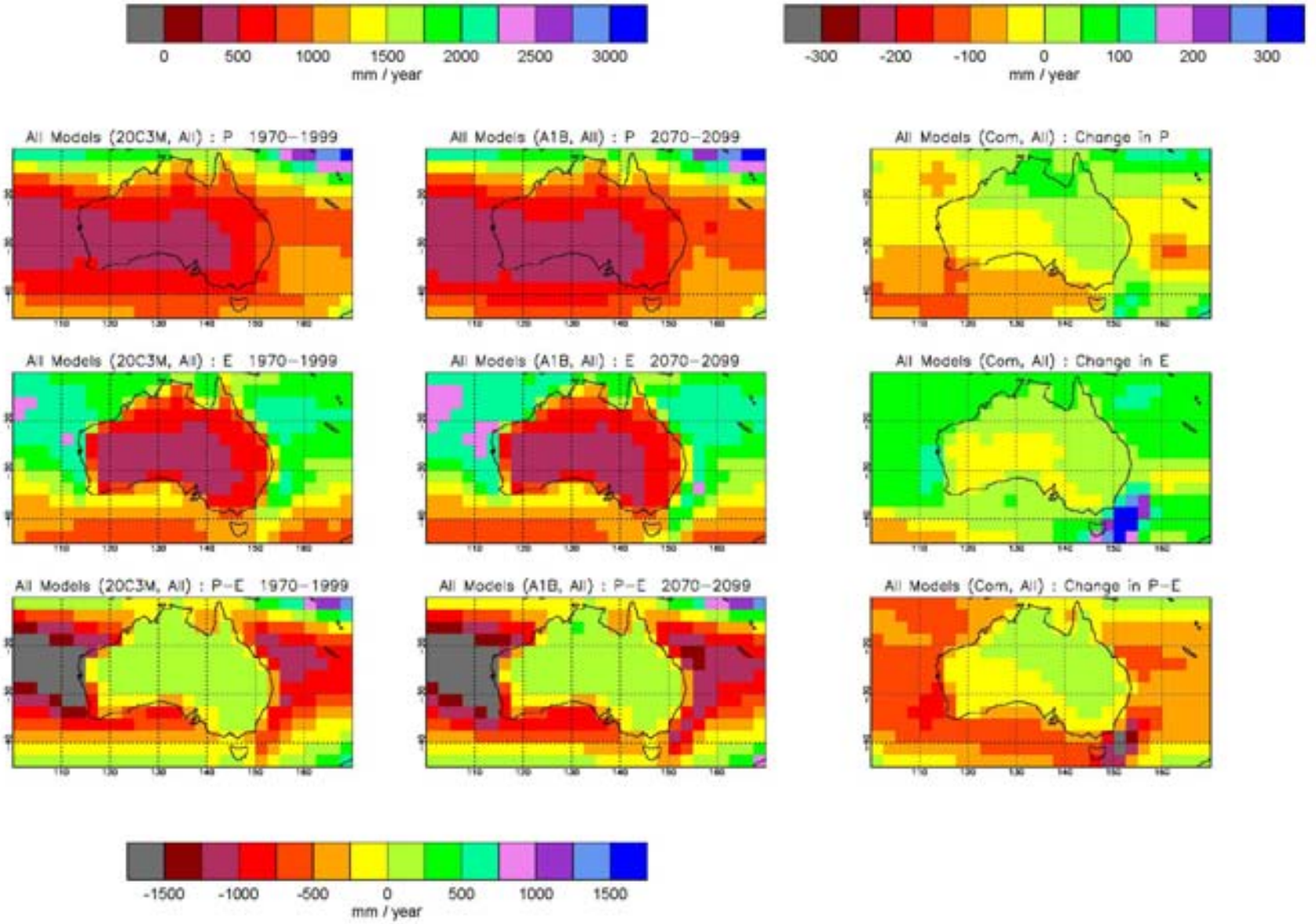
Hydrologic Statistics - Australia											
Models	1970 - 1999 (20C3M)				2070 - 2099 (A1B)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
BCCR-BCM2.0_Set1	7.65E+12	1059.1	885.3	173.8	7.65E+12	1113.5	917.6	195.9	54.4	32.3	22.1
CGCM3.1(t63)_Set1	7.91E+12	453.1	538.8	-85.7	7.91E+12	512.4	591.0	-78.6	59.3	52.2	7.1
CNRM-CM3_Set1	7.33E+12	722.0	710.3	11.6	7.33E+12	729.9	719.6	10.3	7.9	9.3	-1.3
CSIRO-Mk3.0_Set1	7.71E+12	627.4	570.0	57.5	7.71E+12	525.3	517.4	7.9	-102.2	-52.6	-49.6
CSIRO-Mk3.5_Set1	7.71E+12	487.9	497.3	-9.5	7.71E+12	369.6	421.4	-51.9	-118.3	-75.9	-42.4
GFDL-CM2.0_Set1	7.73E+12	379.7	415.2	-35.5	7.73E+12	313.9	369.1	-55.2	-65.8	-46.1	-19.7
GISS-AOM_Set1	7.96E+12	231.1	379.2	-148.1	7.96E+12	200.4	360.7	-160.2	-30.7	-18.5	-12.1
GISS-AOM_Set2	7.96E+12	227.5	374.6	-147.1	7.96E+12	203.2	362.8	-159.6	-24.3	-11.8	-12.4
GISS-EH_Set1	7.96E+12	1040.6	977.7	62.9	7.96E+12	1099.4	1023.1	76.2	58.7	45.4	13.3
GISS-EH_Set2	7.96E+12	1023.9	974.8	49.2	7.96E+12	1086.3	1020.4	65.9	62.4	45.6	16.8
GISS-EH_Set3	7.96E+12	1022.8	971.2	51.7	7.96E+12	1077.5	1006.6	70.9	54.7	35.5	19.2
GISS-ER_Set1	7.96E+12	695.0	776.8	-81.8	7.96E+12	706.5	797.9	-91.3	11.5	21.1	-9.5
GISS-ER_Set2	7.96E+12	674.2	762.2	-88.0	7.96E+12	702.6	795.2	-92.6	28.3	32.9	-4.6
INGV-ECHAM4_Set1	7.61E+12	826.5	688.1	138.4	7.61E+12	732.4	630.2	102.2	-94.1	-57.9	-36.2
INM-CM3.0_Set1	8.18E+12	491.0	584.5	-93.5	8.18E+12	518.5	624.9	-106.4	27.5	40.4	-12.9
IPSL-CM4_Set1	7.74E+12	190.6	374.2	-183.6	7.74E+12	170.6	381.2	-210.5	-19.9	7.0	-26.9
MIROC3.2_HIRES_Set1	7.59E+12	685.3	682.6	2.6	7.59E+12	720.2	696.7	23.5	34.9	14.1	20.8
MIROC3.2_MEDRES_Set2	7.66E+12	792.2	803.3	-11.1	7.66E+12	941.9	907.5	34.4	149.7	104.2	45.4
MIROC3.2_MEDRES_Set3	7.66E+12	841.0	831.1	9.9	7.66E+12	965.8	917.1	48.7	124.8	86.0	38.7
MIUB-ECHO-G_Set1	7.72E+12	667.3	700.5	-33.2	7.72E+12	717.5	734.3	-16.8	50.1	33.8	16.4
MIUB-ECHO-G_Set2	7.72E+12	649.5	696.1	-46.6	7.72E+12	708.6	729.8	-21.3	59.1	33.7	25.3
MIUB-ECHO-G_Set3	7.72E+12	682.8	715.2	-32.4	7.72E+12	722.1	741.8	-19.7	39.3	26.6	12.7
MPI-ECHAM5_Set1	7.71E+12	412.6	469.2	-56.6	7.71E+12	390.7	465.6	-74.9	-21.9	-3.7	-18.3
MPI-ECHAM5_Set2	7.71E+12	497.8	546.4	-48.6	7.71E+12	369.7	447.5	-77.8	-128.1	-98.9	-29.2
MPI-ECHAM5_Set3	7.71E+12	436.5	490.6	-54.1	7.71E+12	400.6	471.1	-70.5	-35.9	-19.5	-16.4
MPI-ECHAM5_Set4	7.71E+12	408.5	469.5	-61.0	7.71E+12	439.0	503.8	-64.9	30.4	34.3	-3.8
NCAR-CCSM3.0_Set1	7.88E+12	577.9	527.9	50.0	7.88E+12	605.1	562.3	42.9	27.2	34.4	-7.2
NCAR-CCSM3.0_Set2	7.88E+12	593.9	533.6	60.3	7.88E+12	607.5	562.3	45.2	13.6	28.7	-15.1
NCAR-CCSM3.0_Set3	7.88E+12	582.2	530.5	51.7	7.88E+12	605.8	558.8	47.0	23.6	28.3	-4.7
NCAR-CCSM3.0_Set4	7.88E+12	565.9	522.3	43.6	7.88E+12	602.9	560.0	42.9	37.0	37.8	-0.8
NCAR-CCSM3.0_Set5	7.88E+12	580.5	529.6	50.8	7.88E+12	605.3	555.9	49.4	24.9	26.3	-1.4
NCAR-CCSM3.0_Set6	7.88E+12	564.2	517.0	47.2	7.88E+12	626.4	571.1	55.3	62.2	54.1	8.1
NCAR-CCSM3.0_Set7	7.88E+12	565.1	521.6	43.5	7.88E+12	625.1	567.4	57.8	60.0	45.7	14.3
NCAR-PCM1_Set1	7.70E+12	762.2	782.5	-20.3	7.70E+12	773.2	787.2	-13.9	11.0	4.7	6.3
NCAR-PCM1_Set2	7.70E+12	769.1	787.5	-18.4	7.70E+12	764.4	789.5	-25.1	-4.7	2.0	-6.7
NCAR-PCM1_Set3	7.70E+12	774.3	791.8	-17.5	7.70E+12	765.8	790.3	-24.5	-8.5	-1.5	-7.0
NCAR-PCM1_Set4	7.70E+12	782.6	791.2	-8.6	7.70E+12	774.0	790.6	-16.6	-8.6	-0.6	-8.0
UKMO-HADCM3_Set1	7.47E+12	597.3	638.6	-41.3	7.47E+12	541.5	598.1	-56.6	-55.8	-40.5	-15.3
UKMO-HADGEM1_Set1	7.45E+12	534.0	578.3	-44.3	7.45E+12	467.2	525.6	-58.4	-66.8	-52.7	-14.1
SUMMARY STATISTICS											
Mean		627.6	639.4	-11.8		636.0	650.6	-14.6	**8.4**	11.2	-2.8
SD		211.8	169.0	73.4		243.1	188.8	79.9	60.7	42.7	20.6
Min		190.6	374.2	-183.6		170.6	360.7	-210.5	**-128.1**	-98.9	-49.6
Max		1059.1	977.7	173.8		1113.5	1023.1	195.9	**149.7**	104.2	45.4
Number of Model Runs showing increases									24	26	
Number of Model Runs showing decreases									15	13	

3.5 The All-Model-Runs Average: Maps and Tables

To further summarise the results, we averaged the global water balance (P, E, P-E) as simulated by all model runs for the 20C3M and A1B scenarios. The maps and tables (as per the format used in section 3.1) follow.

The GISS-AOM model results were not used for the Antarctic region because this model assumed 100% ocean surface at these latitudes. The exclusions are denoted in each table.


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
All Models (20C3M, All) : P 1970–1999
All Models (A1B, All) : P 2070–2099
All Models (Com, All) : Change in P
All Models (20C3M, All) : E 1970–1999
All Models (A1B, All) : E 2070–2099
All Models (Com, All) : Change in E
All Models (20C3M, All) : P–E 1970–1999
All Models (A1B, All) : P–E 2070–2099
All Models (Com, All) : Change in P–E
-1500 -1000 -500 0 500 1000 1500
mm / year


0 500 1000 1500 2000 2500 3000
mm / year
-300 -200 -100 0 100 200 300
mm / year
All Models (20C3M, All) : P 1970–1999
All Models (A1B, All) : P 2070–2099
All Models (Com, All) : Change in P
All Models (20C3M, All) : E 1970–1999
All Models (A1B, All) : E 2070–2099
All Models (Com, All) : Change in E
All Models (20C3M, All) : P–E 1970–1999
All Models (A1B, All) : P–E 2070–2099
All Models (Com, All) : Change in P–E
-1500 -1000 -500 0 500 1000 1500
mm / year

All Models

Region	1970 - 1999 (20C3M, All)				2070 - 2099 (A1B, All)				Δ(1970-1999 to 2070-2099)		
	Land				Land				Land		
	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	1.47E+14	770.2	537.5	232.7	1.47E+14	818.4	565.1	253.4	48.2	27.6	20.7
Australia	7.77E+12	627.6	639.4	-11.8	7.77E+12	636.0	650.6	-14.6	8.4	11.2	-2.8
New Zealand	2.34E+11	1293.2	899.4	393.8	2.34E+11	1339.4	940.4	399.0	46.2	41.0	5.2
South America	1.81E+13	1324.9	942.4	382.6	1.81E+13	1369.5	964.6	404.9	44.6	22.2	22.3
North America	2.36E+13	733.8	457.1	276.7	2.36E+13	792.4	491.0	301.4	58.6	33.9	24.7
Europe	6.61E+12	731.4	522.3	209.1	6.61E+12	723.9	544.4	179.5	-7.5	22.1	-29.7
Africa	2.94E+13	795.3	636.0	159.3	2.94E+13	832.0	661.3	170.7	36.7	25.3	11.4
Middle East	4.89E+12	139.0	262.9	-123.9	4.89E+12	144.3	271.5	-127.3	5.3	8.6	-3.3
Asia	3.81E+13	631.6	401.3	230.3	3.81E+13	703.9	442.0	261.9	72.4	40.8	31.6
Southeast Asia	4.20E+12	2103.6	1274.8	828.7	4.20E+12	2220.4	1318.4	902.0	116.8	43.5	73.3
Antarctica	1.34E+13*	213.3*	27.1*	186.2*	1.34E+13*	242.9*	29.6*	213.3*	29.6*	2.5*	27.1*

* Results of GISS-AOM_Set1 and GISS-AOM_Set2 excluded.

All Models

	1970 - 1999 (20C3M, All)											
	Globe				Ocean				Land			
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr
All	5.09E+14	1045.0	1045.0	0.0	3.63E+14	1156.7	1251.0	-94.3	1.47E+14	770.2	537.5	232.7
-90° to -80°	3.86E+12	108.4	9.6	98.8	6.26E+10*	162.4*	40.2*	122.1*	3.79E+12*	105.4*	6.6*	98.8*
-80° to -70°	1.15E+13	293.5	62.9	230.5	3.63E+12*	477.1*	140.5*	336.5*	7.85E+12*	209.1*	21.9*	187.2*
-70° to -60°	1.88E+13	688.3	247.8	440.5	1.70E+13*	716.5*	261.3*	455.1*	1.78E+12*	472.3*	97.9*	374.4*
-60° to -50°	2.55E+13	1017.7	467.1	550.6	2.52E+13	1015.9	465.7	550.1	2.13E+11	1233.5	640.4	593.0
-50° to -40°	3.14E+13	1118.5	784.8	333.7	3.04E+13	1117.8	788.8	329.0	9.80E+11	1136.9	657.6	479.3
-40° to -30°	3.64E+13	875.7	1234.9	-359.2	3.22E+13	916.2	1312.6	-396.4	4.20E+12	565.1	638.8	-73.8
-30° to -20°	4.02E+13	751.0	1473.7	-722.7	3.09E+13	759.0	1716.5	-957.5	9.31E+12	725.0	666.8	58.2
-20° to -10°	4.29E+13	1299.3	1662.2	-362.9	3.34E+13	1324.4	1871.5	-547.1	9.48E+12	1211.7	925.2	286.5
-10° to 0°	4.42E+13	1760.7	1444.9	315.8	3.41E+13	1759.0	1529.6	229.4	1.01E+13	1766.5	1161.9	604.7
0° to 10°	4.42E+13	1866.1	1410.9	455.2	3.42E+13	1950.5	1515.1	435.4	1.00E+13	1577.9	1055.4	522.5
10° to 20°	4.29E+13	1196.1	1514.6	-318.5	3.17E+13	1358.3	1814.5	-456.2	1.12E+13	736.0	667.2	68.8
20° to 30°	4.02E+13	693.5	1222.5	-529.0	2.52E+13	776.3	1693.3	-917.0	1.51E+13	555.0	436.4	118.6
30° to 40°	3.64E+13	864.6	997.1	-132.5	2.09E+13	1046.1	1370.1	-324.0	1.54E+13	617.9	491.4	126.5
40° to 50°	3.14E+13	903.3	621.7	281.6	1.53E+13	1196.5	792.7	403.8	1.60E+13	622.8	457.4	165.4
50° to 60°	2.55E+13	837.8	467.1	370.6	1.10E+13	1049.4	589.4	460.0	1.45E+13	677.8	373.8	304.1
60° to 70°	1.88E+13	609.1	276.6	332.5	5.50E+12	764.8	426.4	338.4	1.33E+13	545.9	214.8	331.1
70° to 80°	1.15E+13	325.8	119.4	206.4	7.78E+12	336.3	137.8	198.5	3.70E+12	302.1	79.0	223.2
80° to 90°	3.86E+12	223.3	41.1	182.3	3.49E+12	224.8	41.9	182.9	3.69E+11	209.1	31.0	178.0

* Results of GISS-AOM_Set1 and GISS-AOM_Set2 excluded.

All Models

	2070 - 2099 (A1B, All)												Δ(1970-1999 to 2070-2099)								
	Globe				Ocean				Land				Globe			Ocean			Land		
	Area	P	E	P-E	Area	P	E	P-E	Area	P	E	P-E	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)	ΔP	ΔE	Δ(P-E)
	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	m^2	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr	mm/yr
All	5.09E+14	1091.9	1091.9	0.0	3.63E+14	1203.1	1305.8	-102.7	1.47E+14	818.4	565.1	253.4	46.9	46.9	0.0	46.4	54.8	-8.4	48.2	27.6	20.7
-90° to -80°	3.86E+12	123.5	11.6	111.9	6.26E+10*	178.4*	44.0*	134.4*	3.79E+12*	119.9*	8.4*	111.5*	15.1	2.0	13.1	16.0*	3.7*	12.3*	14.5*	1.7*	12.8*
-80° to -70°	1.15E+13	332.7	69.8	262.9	3.63E+12*	539.3*	157.3*	381.9*	7.85E+12*	239.0*	24.5*	214.5*	39.3	6.9	32.4	62.2*	16.8*	45.4*	29.9*	2.6*	27.3*
-70° to -60°	1.88E+13	781.9	251.5	530.4	1.70E+13*	817.1*	265.9*	551.2*	1.78E+12*	532.1*	101.0*	431.1*	93.6	3.7	90.0	100.6*	4.5*	96.1*	59.8*	3.1*	56.7*
-60° to -50°	2.55E+13	1111.2	454.1	657.1	2.52E+13	1109.7	452.4	657.3	2.13E+11	1286.1	662.9	623.1	93.5	-13.1	106.5	93.8	-13.3	107.1	52.6	22.5	30.1
-50° to -40°	3.14E+13	1137.2	828.0	309.2	3.04E+13	1138.8	832.9	306.0	9.80E+11	1085.6	675.0	410.6	18.7	43.2	-24.4	21.0	44.0	-23.0	-51.4	17.4	-68.8
-40° to -30°	3.64E+13	846.5	1284.4	-437.9	3.22E+13	883.6	1366.3	-482.8	4.20E+12	562.0	655.2	-93.2	-29.2	49.4	-78.7	-32.7	53.7	-86.4	-3.1	16.4	-19.5
-30° to -20°	4.02E+13	733.6	1530.1	-796.4	3.09E+13	732.3	1786.7	-1054.4	9.31E+12	739.2	677.4	61.8	-17.3	56.4	-73.7	-26.7	70.2	-96.9	14.2	10.5	3.6
-20° to -10°	4.29E+13	1297.3	1740.2	-442.9	3.34E+13	1312.1	1966.9	-654.8	9.48E+12	1245.2	941.5	303.7	-2.1	78.0	-80.1	-12.2	95.4	-107.7	33.5	16.3	17.2
-10° to 0°	4.42E+13	1902.7	1509.1	393.6	3.41E+13	1913.2	1601.3	311.9	1.01E+13	1868.4	1201.1	667.3	142.0	64.2	77.8	154.2	71.7	82.6	101.8	39.2	62.6
0° to 10°	4.42E+13	2005.5	1469.9	535.6	3.42E+13	2107.7	1578.2	529.5	1.00E+13	1657.6	1100.8	556.8	139.4	59.0	80.4	157.2	63.1	94.1	79.7	45.4	34.3
10° to 20°	4.29E+13	1228.3	1582.9	-354.6	3.17E+13	1391.0	1897.1	-506.1	1.12E+13	766.9	695.3	71.6	32.2	68.3	-36.1	32.7	82.6	-49.9	30.9	28.1	2.8
20° to 30°	4.02E+13	694.7	1277.7	-583.0	2.52E+13	758.0	1770.6	-1012.6	1.51E+13	588.9	454.8	134.1	1.2	55.2	-54.0	-18.3	77.3	-95.5	33.8	18.3	15.5
30° to 40°	3.64E+13	865.5	1040.8	-175.3	2.09E+13	1034.2	1429.8	-395.5	1.54E+13	636.4	513.4	123.0	0.9	43.7	-42.8	-11.9	59.7	-71.5	18.5	22.0	-3.5
40° to 50°	3.14E+13	946.8	660.6	286.2	1.53E+13	1252.9	830.7	422.2	1.60E+13	653.9	497.2	156.7	43.5	38.9	4.6	56.4	38.0	18.4	31.1	39.8	-8.7
50° to 60°	2.55E+13	919.6	492.6	427.0	1.10E+13	1134.1	582.7	551.4	1.45E+13	757.4	423.8	333.6	81.8	25.5	56.4	84.6	-6.7	91.4	79.5	50.0	29.5
60° to 70°	1.88E+13	708.6	308.2	400.4	5.50E+12	858.0	453.0	405.0	1.33E+13	648.4	249.3	399.1	99.5	31.6	67.9	93.2	26.6	66.6	102.5	34.4	68.1
70° to 80°	1.15E+13	410.4	164.8	245.6	7.78E+12	424.5	196.3	228.2	3.70E+12	379.2	96.5	282.7	84.6	45.4	39.2	88.2	58.5	29.6	77.1	17.5	59.6
80° to 90°	3.86E+12	300.5	70.3	230.1	3.49E+12	302.1	73.3	228.7	3.69E+11	284.9	38.3	246.6	77.1	29.3	47.8	77.2	31.4	45.8	75.9	7.3	68.6

* Results of GISS-AOM_Set1 and GISS-AOM_Set2 excluded.

4 Discussion

4.1 Global Hydrologic Balances

The main points to emerge were:

(a) Of the 39 model runs examined, the globally averaged precipitation for 1970-1999 varied from 916.5 to 1187.2 mm per year and was close to the widely quoted (but as yet unmeasured) value of 1000 mm per year for global precipitation (Section 3.3).

(b) All 39 model runs showed steadily increasing global precipitation over the next 100 years for the A1B scenario. This is of course equal to the increase in evaporation. The increase in annual precipitation for the A1B scenario by the end of the 21st century simulated by the 39 model runs varied from 22.9 to 69.1 mm per year (Section 3.3). The differences between global averages of the model runs can be largely attributed to differences in surface temperature in the model runs (Held and Soden 2006) with increases in global precipitation of ~ 2% for every °C increase in temperature. Hence models with larger projected increases in precipitation also tend to have larger projected increases in surface temperature (and evaporation). We did not summarise the response to the A2 scenario because of the small number of model runs available. Given that the A2 scenario predicts warmer temperatures (IPCC 2007), then it follows that the increase in global precipitation over the 21st century would have been even larger than that for the A1B scenario.

(c) The mean increase in global precipitation at the end of the 21st century averaged across all model runs is 46.9 mm per yr (Section 3.3). On average, this increase was more or less equally shared between the ocean (46.4 mm per yr) and land (48.2 mm per yr) surfaces (Section 3.3). These "averages" hide differences between the models with some models predicting nearly all of the increase in precipitation to fall on the ocean (e.g., see the CSIRO model runs in Section 3.3) while others predicted nearly all of the increase over land (e.g., see the ECHO-G model runs in Section 3.3). The remaining 18 models produced results falling between these extremes. Those differences presumably relate to differences in model formulations.

4.2 Australian Hydrologic Balances

The main points to emerge were:

(a) Of the 39 model runs examined, the Australian average precipitation for 1970-1999 varied from 190.6 to 1059.1 mm per yr. The observed annual precipitation for Australia over the 20th century falls in range of ~ 400 to 500 mm per yr (Section 3.4). Hence there were large differences between model simulated precipitation and observations.

(b) When compared to observations, some models show little year-to-year variation in simulated Australian precipitation while other models showed markedly more year-to-year variation than present in the observations. Those differences presumably relate to differences in model formulations.

(c) Many models predicted the unphysical result that E exceeded P over Australia (Section 3.4). We believe that this is a result of the calculation procedure and not a problem with the models. When calculating E (and P) for land surfaces we used the land area fraction defined by each model and assumed that the fraction of E attributable to land was equal to the land area fraction of the pixel. However, along the coast of dry continental regions like Australia, most of the E from coastal pixels would in fact originate from the ocean. Thus we would have overestimated E from the land (and underestimated E from the ocean) when splitting the results into land and ocean fractions. Hence, the global totals would still be correct, but the partitioning between ocean and land would vary depending on how dry the adjacent land surface was. The maximum error would occur over very dry land masses, because there, most of the evaporation from a coastal pixel would in fact be attributable to the ocean. That is consistent with the results showing that E also exceeded P over the Middle East (Section 3.1). There is no way to correctly account for this using the available data. As a future remedy, climate models would need to archive the precipitation and evaporation fluxes from both the land and ocean regions for each pixel.

(d) Of the 39 model runs examined for the A1B scenario, 24 showed increases in Australian precipitation to the end of the 21st century while 15 showed decreases. The overall average across all model runs was for a small increase in Australian annual precipitation of 8 mm per yr by the end of the 21st century. Within that average, some models predict a drop in annual precipitation of as much as 100 mm per yr (notably the CSIRO and UKMO models) while other predict increases of the same order (notably the MIROC3.2 medium resolution models from Japan, see Section 3.4).

(e) It was found that if a model predicts more precipitation than observed, then each run from that model also tended to predict more precipitation. However, this was not a general finding, because some model runs from a given model predicted increases while other runs predicted decreases. The notable example was the German model (MPI-ECHAM5) that predicted the following changes in continental average precipitation from the four runs; -21.9, -128.1, -35.9, 30.4 mm per yr. These four results were all based on the same (A1B) scenario which indicates that the differences are due to internal dynamics (sometimes called chaos). We do not know why some models show pronounced internal dynamics while others do not, but again it must relate to differences in model formulation (McWilliams 2007).

(f) The overall pattern of some models predicting precipitation increases while other predict decreases was expected from the IPCC summaries that show a complex pattern of both wetting and drying in mid-latitude terrestrial regions.

5 Acknowledgments

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Appendix: Description of the Scenarios as per IPCC (2000)

20C3M

The 20C3M scenario describes climate condition in the 20th Century

A1B

"The A1 storyline and scenario family describes a future world of very rapid economic growth, global population that peaks in mid-century and declines thereafter, and the rapid introduction of new and more efficient technologies. Major underlying themes are convergence among regions, capacity building and increased cultural and social interactions, with a substantial reduction in regional differences in per capita income. The A1 scenario family develops into three groups that describe alternative directions of technological change in the energy system. The three A1 groups are distinguished by their technological emphasis: fossil intensive (A1FI), non-fossil energy sources (A1T), or a balance across all sources (A1B) (where balanced is defined as not relying too heavily on one particular energy source, on the assumption that similar improvement rates apply to all energy supply and end-use technologies)." (IPCC, 2000)

A2

"The A2 storyline and scenario family describes a very heterogeneous world. The underlying theme is self-reliance and preservation of local identities. Fertility patterns across regions converge very slowly, which results in continuously increasing population. Economic development is primarily regionally oriented and per capita economic growth and technological change more fragmented and slower than other storylines." (IPCC, 2000)