

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						