Heatmap figure.

Legend (top left): log P(data|model) x −10^4 — scale values: 10, 15, 20, 25, 30

Axis labels: x-axis = "data"; y-axis = "models"

Left matrix — columns (data):
CMIP5_inmcm4_r1i1p1, CMIP5_GFDL.CM3_r1i1p1, CMIP5_EC.EARTH_r12i1p1, CMIP5_MIROC5_r1i1p1, CMIP5_CMCC.CESM_r1i1p1, CMIP5_BNU.ESM_r1i1p1, CMIP5_MIROC.ESM_r1i1p1, CMIP5_MIROC.ESM.CHEM_r1i1p1, CMIP5_IPSL.CM5A.MR_r1i1p1, CMIP5_IPSL.CM5A.LR_r1i1p1, CMIP5_IPSL.CM5B.LR_r1i1p1, CMIP5_CMCC.CM_r1i1p1, CMIP5_MPI.ESM.LR_r1i1p1, CMIP5_CMCC.CMS_r1i1p1, ncep_10d, CMIP5_HadGEM2.ES_r1i1p1, CMIP5_HadGEM2.CC_r1i1p1, CMIP5_MRI.CGCM3_r1i1p1, CMIP5_NorESM1.M_r1i1p1, CMIP5_CCSM4_r1i1p1, CMIP5_CESM1.BGC_r1i1p1, CMIP5_CanESM2_r1i1p1, CMIP5_GFDL.ESM2M_r1i1p1, CMIP5_GFDL.ESM2G_r1i1p1, CMIP5_ACCESS1.0_r1i1p1, CMIP5_ACCESS1.3_r1i1p1, CMIP5_bcc.csm1.1.m_r1i1p1, CMIP5_bcc.csm1.1_r1i1p1, CMIP5_CSIRO.Mk3.6.0_r1i1p1, JRA55_10d_akima_cubic, CMIP5_CNRM.CM5_r1i1p1, interim_10d_akima_cubic

model (row)	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
interim_10d_akima_cubic	180	31	14	15	50	13	14	14	26	34	56	38	26	22	26	23	25	21	27	23	24	18	17	18	26	25	19	18	20	14	16	13
CMIP5_CNRM.CM5_r1i1p1	262	49	14	14	65	14	14	14	37	53	94	61	39	30	32	26	28	26	44	35	33	19	20	21	30	28	20	19	20	17	12	19
JRA55_10d_akima_cubic	421	65	16	14	105	16	16	17	50	79	147	76	39	32	41	36	38	29	53	36	36	25	26	27	37	32	21	21	25	12	19	20
CMIP5_CSIRO.Mk3.6.0_r1i1p1	359	43	16	15	68	16	15	15	46	68	173	76	34	28	26	31	32	28	44	34	34	19	24	25	33	30	21	20	14	18	18	21
CMIP5_bcc.csm1.1_r1i1p1	103	25	19	19	28	12	14	14	29	36	51	39	26	23	30	28	29	20	25	22	23	18	18	18	31	28	18	12	24	19	20	23
CMIP5_bcc.csm1.1.m_r1i1p1	94	23	17	17	30	13	15	16	23	29	40	29	23	20	26	23	24	18	22	18	19	18	18	19	25	25	13	17	22	18	18	20
CMIP5_ACCESS1.3_r1i1p1	83	23	17	17	40	16	16	17	23	26	34	28	25	21	24	19	20	20	20	19	19	18	16	18	20	16	18	19	19	18	18	19
CMIP5_ACCESS1.0_r1i1p1	66	21	18	17	28	16	17	17	21	23	30	25	23	20	22	19	20	20	19	19	19	18	16	20	19	16	20	19	19	18	18	19
CMIP5_GFDL.ESM2G_r1i1p1	62	21	16	16	23	12	14	14	21	22	29	28	24	20	23	24	23	18	19	17	17	17	13	11	29	28	20	20	18	18	17	19
CMIP5_GFDL.ESM2M_r1i1p1	59	20	17	16	23	12	14	14	21	22	29	28	24	20	23	25	23	19	19	16	17	11	14	30	31	21	21	22	19	18	18	21
CMIP5_CanESM2_r1i1p1	88	20	17	15	23	12	13	14	23	26	45	33	23	19	22	24	26	20	22	18	19	12	17	17	28	29	19	20	18	18	18	21
CMIP5_CESM1.BGC_r1i1p1	45	17	16	16	22	11	14	15	19	20	26	23	23	18	23	21	23	17	16	12	11	17	15	15	27	27	19	19	22	17	17	19
CMIP5_CCSM4_r1i1p1	46	17	17	16	22	12	15	15	20	20	27	24	19	24	22	24	17	10	13	16	16	15	26	29	26	21	24	19	17	17		
CMIP5_NorESM1.M_r1i1p1	36	16	16	16	18	11	14	14	21	18	22	22	18	21	21	20	17	13	14	15	16	15	27	26	19	20	21	17	17	18		
CMIP5_MRI.CGCM3_r1i1p1	50	17	16	17	22	12	14	14	20	22	22	23	22	18	24	21	20	15	14	16	16	26	27	26	18	23	16	17	18			
CMIP5_HadGEM2.CC_r1i1p1	61	20	15	15	25	13	14	15	19	20	27	23	21	18	20	16	16	17	16	16	16	16	16	16	19	16	16	17				
CMIP5_HadGEM2.ES_r1i1p1	57	19	15	15	24	13	14	15	19	20	27	23	21	18	20	15	17	17	16	16	16	21	16	16	16	16	17					
ncep_10d	73	22	16	16	35	13	14	14	21	21	33	25	20	17	15	19	21	18	16	17	16	16	16	23	23	18	16	16	16			
CMIP5_CMCC.CMS_r1i1p1	63	17	15	15	23	12	14	14	18	19	26	22	19	13	19	20	20	16	17	15	15	15	16	24	24	18	18	16	16	18		
CMIP5_MPI.ESM.LR_r1i1p1	55	17	17	15	24	13	14	15	19	19	26	23	15	20	21	22	17	15	16	16	18	24	25	18	18	20	18	17	19			
CMIP5_CMCC.CM_r1i1p1	28	16	16	16	18	13	15	15	17	17	19	16	20	16	20	19	20	16	17	15	15	15	16	23	23	18	18	20	17	17	17	
CMIP5_IPSL.CM5B.LR_r1i1p1	31	16	16	17	17	13	15	15	15	15	21	21	18	21	21	22	18	15	16	16	26	19	21	18	18	19						
CMIP5_IPSL.CM5A.LR_r1i1p1	48	17	18	18	21	13	15	16	12	20	26	23	20	23	23	25	20	16	18	17	17	28	29	22	21	23	21	20	22			
CMIP5_IPSL.CM5A.MR_r1i1p1	48	17	17	16	21	13	14	15	13	15	22	23	21	18	21	22	20	16	15	16	16	16	25	19	19	24	19	18	20			
CMIP5_MIROC.ESM.CHEM_r1i1p1	235	35	19	18	47	12	10	9	43	53	101	73	33	29	32	38	41	27	39	33	32	20	21	22	52	48	27	21	28	22	22	27
CMIP5_MIROC.ESM_r1i1p1	247	37	19	18	46	12	9	11	40	56	107	70	34	28	33	37	40	28	43	40	32	33	19	21	22	54	44	26	21	26	22	27
CMIP5_BNU.ESM_r1i1p1	96	27	22	23	27	7	14	14	33	36	46	48	34	27	37	40	42	24	24	23	25	21	19	20	51	47	27	21	33	25	25	30
CMIP5_CMCC.CESM_r1i1p1	62	23	21	23	11	12	15	15	25	25	33	34	28	23	30	35	37	22	21	22	23	21	19	43	43	26	21	28	24	25	26	
CMIP5_MIROC5_r1i1p1	645	119	16	10	208	18	16	17	76	110	225	120	57	43	41	45	47	42	82	62	57	31	31	33	47	44	25	24	23	21	19	25
CMIP5_EC.EARTH_r12i1p1	2491	135	11	17	219	31	19	20	103	191	424	272	115	87	86	87	89	95	182	148	153	41	50	50	65	53	34	33	27	23	23	26
CMIP5_GFDL.CM3_r1i1p1	3197	9	31	31	804	68	58	69	294	461	812	643	584	335	256	124	115	224	573	359	262	116	91	92	110	82	74	71	59	49	32	90
CMIP5_inmcm4_r1i1p1	19	17	18	18	18	16	17	17	18	17	19	20	20	18	20	20	21	18	16	18	17	24	24	20	20	20	19	18	19			

Right matrix — columns:
interim_10d_akima_cubic_v.exp_0.25, interim_10d_akima_cubic_v.exp_0.5, interim_10d_akima_cubic_v.exp_0.75, interim_10d_akima_cubic_v.exp_0.9, interim_10d_akima_cubic_v.exp_0.95, interim_10d_akima_cubic_v.exp_0.99, interim_10d_akima_cubic

model (row)	0.25	0.5	0.75	0.9	0.95	0.99	interim
interim_10d_akima_cubic	2	3	6	8	10	12	13
CMIP5_CNRM.CM5_r1i1p1	2	4	8	12	14	17	19
JRA55_10d_akima_cubic	2	4	8	12	15	18	20
CMIP5_CSIRO.Mk3.6.0_r1i1p1	4	6	10	14	16	19	21
CMIP5_bcc.csm1.1_r1i1p1	3	5	10	15	17	21	23
CMIP5_bcc.csm1.1.m_r1i1p1	3	5	9	13	16	18	20
CMIP5_ACCESS1.3_r1i1p1	6	8	11	15	16	18	19
CMIP5_ACCESS1.0_r1i1p1	6	8	12	15	17	18	19
CMIP5_GFDL.ESM2G_r1i1p1	1	4	8	12	14	18	19
CMIP5_GFDL.ESM2M_r1i1p1	1	3	8	13	15	19	21
CMIP5_CanESM2_r1i1p1	2	4	9	13	16	19	21
CMIP5_CESM1.BGC_r1i1p1	1	3	7	12	14	18	19
CMIP5_CCSM4_r1i1p1	1	3	7	12	15	18	20
CMIP5_NorESM1.M_r1i1p1	1	5	8	12	15	18	20
CMIP5_MRI.CGCM3_r1i1p1	2	4	8	12	14	17	18
CMIP5_HadGEM2.CC_r1i1p1	5	7	10	13	14	16	17
CMIP5_HadGEM2.ES_r1i1p1	4	6	9	12	14	16	17
ncep_10d	5	6	9	12	13	15	16
CMIP5_CMCC.CMS_r1i1p1	3	5	8	12	14	16	18
CMIP5_MPI.ESM.LR_r1i1p1	5	7	10	13	15	17	19
CMIP5_CMCC.CM_r1i1p1	5	7	10	13	14	16	17
CMIP5_IPSL.CM5B.LR_r1i1p1	5	6	10	13	15	18	19
CMIP5_IPSL.CM5A.LR_r1i1p1	2	5	9	14	17	21	22
CMIP5_IPSL.CM5A.MR_r1i1p1	3	5	9	13	16	18	20
CMIP5_MIROC.ESM.CHEM_r1i1p1	0	3	9	15	19	24	27
CMIP5_MIROC.ESM_r1i1p1	0	3	8	15	19	24	27
CMIP5_BNU.ESM_r1i1p1	−2	2	8	16	20	26	30
CMIP5_CMCC.CESM_r1i1p1	2	5	10	16	19	24	26
CMIP5_MIROC5_r1i1p1	1	4	9	15	18	23	25
CMIP5_EC.EARTH_r12i1p1	1	4	9	15	18	23	26
CMIP5_GFDL.CM3_r1i1p1	6	18	32	50	61	77	90
CMIP5_inmcm4_r1i1p1	9	10	13	16	17	18	19