WINTER (DJF)

| Model | Historical Simulation | SSP245 | SSP585 |
|-----------|--|---|--|
| AWI-CM | pel Amon AWI CM-1-14RI National rilipiti ga mat 60P-1 Months of 40 70 0 0 0 1 | | |
| CanESM2 | pd Anny. CodeSab Interced Filipting ment EOF-1, Months: 1 1 0 0 0 0 0 0 0 1 1 Variance: 46 0% | psi Amor, CaneEMA sapade rilipiti mat EDF-1; Moritina 1 1 0 0 0 0 0 0 0 0 0 1 | pat Amen. CareESMS spotso; rilipi11-20012 mat ECF-1; Monther 1.1 0 0 0 0 0 0 0 1 |
| CESM2 | pel Amen (CESM2 hatricell HilpHI), ga mat EOF-1; Mortlet -1 0 0 0 0 0 0 0 0 1 | pel Amon, CESN2, spe264, rillof11/mat EOF-1; Months 1 1 0 0 0 0 0 0 0 0 1 Valutance 01.2% | pgl Anon, CESMS against 1 injiitine mat EDF-1; Morties -1 1 0 0 0 0 0 0 0 0 0 1 Variancies 62 2% |
| CNRM-CM5 | pil. Anno. CNRM ESM2 1, Historical rillipit2; grmati EDF-1; Monther 1 i 0 0 0 0 0 0 0 0 0 1 Valutance d.6 0% | pel Amon CNRNA-ESMA-1 sapc46 / 116 pt 2 mat ECPF-11 Momba 1 0 0 0 0 0 0 0 1 1 2 3 | pid Amon, ONRA-ESMA: 1,900 pt 119 17 mat EDF-1; Months: 11 0 0 0 0 0 0 0 0 1 1 Validance; EDF-3 do 1 0 1 2 3 |
| EC-Earth3 | pal Areas EC Earth Marcad Attight is mad ECP+1 Mortilles 1-1 Marcad Attight is mad ECP+1 Mortilles 1-1 Mortilles 2-1 Mortilles 2 | gal Amon SC-Earth and A 11911 mate ECR-1; Mortine; 1 110, and 0 0 0 0 0 0 1 | 23 23 25 25 25 25 25 25 25 25 25 25 25 25 25 |

Winter (DJF)

| Model | Historical Simulation | SSP245 | SSP585 |
|----------|---|--|--|
| GISS GCM | pol. Amont. GISS-E2-1-HI historical -filip111 gn.mat ECP-1 Months. Variance -43-45, 0 0 0 0 1 | | |
| IPSL-CM6 | pal Amon (PSL-CMSA-LR) historical tritip III gr mall ECF-1 Months: 11 0 0 0 0 0 1 1 | psi Annon PSS. CDMA-LR asp245; 1115;111 mat EOF-1; Morther 11 04-0, Psi 00 0 0 0 1 3 2 1 0 1 2 3 | pal Amon PSS, COMMA-RI spat65 ; 119:11 mat ECP-1; Mortler 11 to 0 60 0 10 0 0 1 |
| MIROC6 | pal Amon MROCA interest of 10 of 0 of 0 of 0 of 1 of 1 of 1 of | pal Amon MIROCO 824/4 11619111 mat 60F-1; Mortins 1 1 0 0 0 0 1 0 0 0 0 1 | ppl Amon. MRIOCO, sp855, r11p111 mat EOF-1; Moriller 11 0 0 0 0 0 0 0 1 Variance 50 15, 3 -2 -1 0 1 2 3 |
| MRI-ESM2 | pal Arean MRN-ESMA 0 Ansarcal interference and the CoE+1 Mention Valuence de 45 0 0 0 0 1 | pal Amen MRI ESME 9 sp045 (11p111 mat EOF-1) Mortes - 1 0 0 0 1 | pal Amon MRI-ESN2-0 sag/85, ritprit mat ECF-1 Morties Walnes 40 0 0 0 1 |
| UKESM1 | pal Annon UKESM1-0LL National /110p12 gn-mat EOF-11 Months: 1 1 0 0 0 0 0 0 0 0 1 Variance: 45.2% | pal Amen LMESMH-0-LL apples / Hitp IT mat ECF-1; Months: 1 1 0 0 0 0 0 0 0 0 1 Variance: 0.0 6% | pel Annon LineSSM-ol.L. sep68; ritip1tEmail ECP-1; Months: 1 1 0 0 0 0 0 0 0 0 1 *Variances 4.6 %. |

Summer (JJA)

| Model | Historical Simulation | SSP245 | SSP585 |
|-----------|---|---|--|
| AWI-CM | pst. Amon. ANY CM-1-1 ANI, National, Highling and ECP-1. Manual Variance 42 Ps. 1 0 0 0 6 | | |
| CanESM2 | pp Amon. Cut SSA Managed, (15) FIT an end EOF-1: Months 0 o 0 o 0 o 1 1 1 0 o 0 o Valences-4 7% | agi Anno Contident and Continent and EOF-1. Months 0 0 0 0 11 1 1 0 0 0 Variances 42 % | pol. Amor. Cuel/SMA. apolicy integrit 20010 maid ECH-1: Months G 0 0 0 1 1 1 0 0 0 0 Variances 45 95. |
| CESM2 | part Areas CESAR Asserted I Tright I go mad ESF 1 shellow Variances \$1.15 0.000 0.00 | all Area (ESIM Select) 119111 mile ESP-1 Months 68 22 agosts, 119111 mile EV-1 Months 68 25 agosts 68 90 90 90 | and Amore CESIAS and Set of the Cesia and ESP-1 sharing and ESP-1 sharing and Set of the Cesia and Set of the Cesi |
| CNRM-CM5 | pil. Amort. CATRIA ESSA 2. Household, of final it g, a most ESCH-1. Machine, 6 0 o. 0 o. 11 1 1 0 0 0 0 2 1 0 1 2 3 | gat Anno: CORM (Salv) agends, 11/10/12/mark ECH-1. Months (3 do 2 agends, 11/10/12/mark Waterwood 54 /6 5 0 0 0 | par Amon CMSA CSSN 2 sards, 1-10-10 rand COP -1-1-1-1-10 to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| EC-Earth3 | ppl Amos EC family Neorotal (1951), great ECP+1, Montes G 50 o 0 11 1 0 0 0 0 | pil, Amore, ECC Earth, 34(2045, 11) (21) mail ECP-1, Morrison 3 0 0 0 0 1 1 1 1 0 0 0 0 | all Annu. EC Earth . seption . 111 print mail ECP1-1. Months 0 0 0 0 1 1 1 1 0 0 0 0 Waterwood Dr |

Summer (JJA)

| Model | Historical Simulation | SSP245 | SSP585 |
|----------|---|--|--|
| GISS GCM | gal Anno, GiSS-EN-H Altorical, r11pt11 gn mai Both-I Morent of 3 0 8 11 11 1 0 0 0 0 | | |
| IPSL-CM6 | pgi. Annu. JPSC. COMA List. Instruction of 11/0/01 1.5 annul ECF-1: Moetine 0 0 0 0 0 1 1 1 0 0 0 0 Variances 40% | pal Amon, PRIL CAMAL R. apples, Fright mad ECF-1. Mortin C 0 0 0 0 1 1 1 0 0 0 0 Variance: 43-45, 0 0 0 | ps. Anno. PS. CAMA. R. applés. Fright near EOF-1. Mortin. 0 o o o o 1 1 1 0 o o o Variance et 6-75. |
| MIROC6 | pat Amou, MMOCD, heareney, 1/6p/11 ya met ECF-1: Meetine: 0 0 0 0 0 1 1 1 0 0 0 0 Variance: 42.3% | ppi. Anno. MINDOS. spatedy, filefill mail ECF-1: Meetin 0 0 0 0 1 1 1 0 0 0 0 Variations drive. | ppi Anno, MilliOCA spot85, Filipith mall ECF-1. Mortins 0 o 0 o 11 11 0 o 0 o Variances 38 (%) |
| MRI-ESM2 | ppi Anno MREESEQ habriori / Highli gh mail ECF-LiMorini 0 0 0 0 1 1 1 0 0 0 0 Variance of 200 | per Amon, ARTH ESMA 0, agolds, in Fight That ECF 1. Moreito, 0.0 o.0 o.1 1.1 o.0 o.0 Warrington, 10.7 to. 0.1 1.1 o.0 o.0 Warrington, 10.7 to. 0.1 1.1 o.0 o.0 o.0 variance, 10.7 to. 0.1 to. 0.1 to. 0.0 o.0 variance, 10.7 to. 0.0 o.0 variance, 10. | pat Annot ARTH ESIAND a spatios, interior that ECPT-1 Months 0 to 0 to 0 1 1 1 0 0 0 0 Variances to the spatial spatia |
| UKESM1 | pit. Amon. DESMI 641. Sessional, H16/102 ge mest CSPF Liberary Vertices 67 175 6 0 0 | pel Arent (MESMI GLL, aspide, ritigate and ESPI Liberton ES 11 d 0 d 0 | pal Area LYRESIN 6 LL, spotts , Hight State ESP - Liberton ESP - 10 - 10 - 0 - 0 d - 1 - 0 - 1 - 2 - 3 |