

Appendix F, Modeling

Attachment F.2-11

HEC-5Q

F.2.11-1 Results

The following results of the HEC-5Q and Reclamation Temperature Model are included for temperature results at key project locations for the following alternatives:

- No Action Alternative 090723 (NAA)
- Alt1 090923 (ALT1)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAIIVA 091324 (Alt2woTUCPAIIVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- Alt3 101323 (ALT3)
- Alt4 091624 (ALT4)
- Action 5 052125 (Action 5)

Section	Output Parameters	Table Numbers	Figure Numbers
Trinity	Trinity River below Lewiston Dam	F.2.11-1-1a to F.2.11-1-8c	F.2.11-1-1 to F.2.11-1-18
Clear Creek	Clear Creek below Whiskeytown	F.2.11-2-1a to F.2.11-2-8c	F.2.11-2-1 to F.2.11-2-18
Clear Creek	Clear Creek at Igo	F.2.11-3-1a to F.2.11-3-8c	F.2.11-3-1 to F.2.11-3-18
Clear Creek	Clear Creek at Mouth	F.2.11-4-1a to F.2.11-4-8c	F.2.11-4-1 to F.2.11-4-18
Sacramento	Sacramento River below Keswick	F.2.11-5-1a to F.2.11-5-8c	F.2.11-5-1 to F.2.11-5-18
Sacramento	Sacramento River at Clear Creek	F.2.11-6-1a to F.2.11-6-8c	F.2.11-6-1 to F.2.11-6-18

Section	Output Parameters	Table Numbers	Figure Numbers
Sacramento	Sacramento River at Balls Ferry	F.2.11-7-1a to F.2.11-7-8c	F.2.11-7-1 to F.2.11-7-18
Sacramento	Sacramento River at Jellys Ferry	F.2.11-8-1a to F.2.11-8-8c	F.2.11-8-1 to F.2.11-8-18
Sacramento	Sacramento River at Bend Bridge	F.2.11-9-1a to F.2.11-9-8c	F.2.11-9-1 to F.2.11-9-18
Sacramento	Sacramento River at Red Bluff	F.2.11-10-1a to F.2.11-10-8c	F.2.11-10-1 to F.2.11-10-18
Sacramento	Sacramento River below Red Bluff Diversion Dam	F.2.11-11-1a to F.2.11-11-8c	F.2.11-11-1 to F.2.11-11-18
Sacramento	Sacramento River below Hamilton City	F.2.11-12-1a to F.2.11-12-8c	F.2.11-12-1 to F.2.11-12-18
American	American River below Nimbus Dam	F.2.11-13-1a to F.2.11-13-8c	F.2.11-13-1 to F.2.11-13-18
American	American River at Watt Avenue	F.2.11-14-1a to F.2.11-14-8c	F.2.11-14-1 to F.2.11-14-18
American	American River at the Mouth	F.2.11-15-1a to F.2.11-15-8c	F.2.11-15-1 to F.2.11-15-18

F.2.11-2 Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts.

- Monthly tables include a comparison of an alternative and the No Action Alternative (exceedance values, long-term average, and average by water year type) by subtracting the values in the No Action Alternative table (the table presented at the top of the page) from the values in the alternative table (the second
- Table From the top of the page).
- Monthly pattern charts (long-term average and average by water year type) present all alternatives.
- Monthly exceedance charts (all months) present all alternatives.

F.2.11-3 Trinity River below Lewiston Dam

Table F.2.11-3-1 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-1 b. Trinity River below Lewiston Dam, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.2	49.0	48.1	49.5	51.8	51.0	49.1	52.5	53.1	53.1	52.5
20% Exceedance	51.7	50.8	48.2	47.5	48.5	51.0	50.3	48.2	50.9	51.5	51.7	50.9
30% Exceedance	50.9	50.0	47.8	46.8	48.1	50.1	49.9	47.6	49.4	50.3	50.1	50.3
40% Exceedance	49.7	49.7	47.5	46.3	47.7	49.5	49.7	47.1	49.1	49.7	49.5	49.8
50% Exceedance	49.1	49.3	47.0	46.1	47.2	48.8	49.4	46.8	48.8	49.4	49.2	49.2
60% Exceedance	48.6	48.8	46.7	45.8	46.7	48.0	49.1	46.6	48.6	49.1	48.6	48.7
70% Exceedance	48.0	48.3	46.4	45.6	46.2	47.2	48.6	46.2	48.2	48.8	48.3	48.2
80% Exceedance	47.3	47.1	46.0	45.4	45.4	46.0	48.1	45.7	47.3	48.2	47.8	47.8
90% Exceedance	47.0	46.5	45.5	44.8	44.8	45.1	46.8	45.4	46.6	47.6	47.3	47.1
Full Simulation Period Average^a	49.5	49.0	47.2	46.3	47.2	48.6	49.2	47.1	49.1	50.1	49.6	49.5
Extremely Wet Years (7%)	46.8	46.5	45.8	46.0	45.2	44.8	46.6	45.5	46.2	49.3	51.4	49.0
Wet Years (29%)	48.0	47.8	46.3	46.0	46.4	47.8	48.8	46.0	47.9	49.2	48.3	48.1
Normal Years (19%)	49.0	48.8	46.9	45.9	47.3	49.0	49.8	46.4	48.4	49.3	48.9	49.2
Dry Years (31%)	50.7	50.1	47.7	46.4	47.8	49.7	49.6	47.7	50.6	50.7	50.0	49.9
Critically Dry Years (14%)	52.5	50.9	48.8	47.2	48.5	49.6	49.8	49.7	51.1	52.2	51.7	51.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-1 c. Trinity River below Lewiston Dam, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.1	0.2	0.0	0.0	0.3	0.6	-0.0	0.0	-1.3	0.2	0.1
20% Exceedance	0.4	0.1	0.1	0.0	-0.2	0.3	0.3	0.0	0.6	-0.0	0.2	-0.3
30% Exceedance	0.1	-0.2	-0.0	-0.0	-0.0	0.6	0.2	-0.1	0.0	-0.3	-0.1	-0.1
40% Exceedance	-0.4	-0.0	0.1	-0.0	0.2	0.6	0.2	-0.0	0.0	-0.3	-0.2	0.3
50% Exceedance	-0.1	-0.1	-0.1	-0.1	0.1	0.5	0.2	-0.0	0.0	-0.1	-0.1	0.3
60% Exceedance	-0.1	-0.1	0.0	0.0	0.1	0.4	0.2	0.0	0.1	-0.0	0.0	0.3
70% Exceedance	-0.3	-0.1	0.0	0.0	0.2	-0.1	0.2	0.0	0.0	-0.1	0.1	0.1
80% Exceedance	-0.0	-0.1	-0.0	0.0	0.0	-0.1	0.0	-0.0	0.1	-0.1	-0.0	0.1
90% Exceedance	-0.0	-0.3	0.0	-0.0	-0.0	-0.0	0.1	0.0	0.1	-0.1	-0.0	-0.0
Full Simulation Period Average^a	-0.0	-0.1	0.0	-0.0	0.1	0.2	0.2	-0.0	0.1	-0.2	0.0	0.1
Extremely Wet Years (7%)	-0.1	-0.2	-0.0	-0.0	-0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.2
Wet Years (29%)	0.1	-0.1	-0.0	-0.0	-0.2	0.1	0.1	0.0	0.1	-0.1	0.0	0.2
Normal Years (19%)	-0.4	-0.1	0.0	-0.0	0.2	0.5	0.4	-0.0	0.1	-0.1	0.1	0.3
Dry Years (31%)	0.1	0.0	0.0	-0.0	0.2	0.4	0.2	-0.0	0.1	-0.3	-0.1	-0.2
Critically Dry Years (14%)	-0.1	-0.1	0.1	-0.1	0.2	0.0	0.2	-0.1	-0.1	-0.6	0.1	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-2 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-2 b. Trinity River below Lewiston Dam, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.2	51.2	48.8	48.2	49.5	51.6	50.2	48.9	52.6	54.7	53.0	52.5
20% Exceedance	51.3	50.6	48.2	47.4	48.8	50.8	50.0	48.1	51.1	51.9	51.6	50.9
30% Exceedance	50.8	50.3	47.8	46.9	48.3	49.6	49.7	47.5	49.5	50.9	50.2	50.5
40% Exceedance	50.0	49.9	47.4	46.5	47.9	49.0	49.5	47.2	49.1	49.9	49.6	49.8
50% Exceedance	49.5	49.5	47.1	46.1	47.2	48.3	49.1	46.8	48.8	49.6	49.1	49.1
60% Exceedance	49.1	49.0	46.7	45.7	46.6	47.6	48.9	46.5	48.5	49.4	48.6	48.6
70% Exceedance	48.3	48.1	46.4	45.6	46.3	46.9	48.6	46.2	48.1	49.0	48.3	48.2
80% Exceedance	47.5	47.1	46.1	45.3	45.4	46.0	48.0	45.8	47.4	48.4	47.9	47.9
90% Exceedance	47.1	46.7	45.4	44.7	44.8	45.1	46.7	45.4	46.5	47.7	47.3	47.2
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.3	48.4	49.0	47.1	49.2	50.4	49.6	49.5
Extremely Wet Years (7%)	46.9	46.8	45.8	46.0	46.2	46.0	47.0	45.5	46.1	49.3	51.3	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.7	48.0	48.8	46.0	47.8	49.5	48.2	48.1
Normal Years (19%)	49.5	49.1	46.9	45.9	47.1	48.3	49.3	46.4	48.4	49.4	48.8	49.1
Dry Years (31%)	50.6	50.1	47.6	46.4	47.7	49.0	49.3	47.7	50.7	51.1	50.1	50.1
Critically Dry Years (14%)	52.6	50.9	48.7	47.3	48.4	49.6	49.5	49.7	51.3	52.9	51.8	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-2 c. Trinity River below Lewiston Dam, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.1	0.1	0.0	0.0	0.1	-0.3	-0.2	0.2	0.2	0.1	0.1
20% Exceedance	0.0	-0.1	0.1	-0.1	0.1	0.1	-0.0	-0.1	0.8	0.3	0.0	-0.3
30% Exceedance	-0.0	0.1	-0.1	0.0	0.2	0.1	0.0	-0.2	0.1	0.2	0.0	0.1
40% Exceedance	-0.1	0.1	-0.0	0.1	0.3	0.1	-0.0	0.1	-0.0	-0.1	-0.1	0.2
50% Exceedance	0.2	0.1	0.0	-0.1	0.1	-0.1	-0.0	-0.0	0.1	0.1	-0.2	0.2
60% Exceedance	0.4	0.1	0.1	-0.1	0.0	0.0	0.0	-0.1	0.1	0.3	0.0	0.3
70% Exceedance	0.0	-0.2	-0.0	0.0	0.3	-0.4	0.1	-0.0	-0.0	0.2	0.1	0.1
80% Exceedance	0.1	-0.1	-0.0	-0.0	0.1	-0.1	-0.0	0.0	0.1	0.0	0.1	0.2
90% Exceedance	0.0	-0.1	-0.1	-0.1	-0.0	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0
Full Simulation Period Average^a	0.0	0.0	-0.0	-0.0	0.1	0.0	-0.0	-0.0	0.1	0.1	0.0	0.1
Extremely Wet Years (7%)	-0.0	0.1	0.0	0.0	0.9	1.2	0.4	-0.0	-0.0	0.2	0.3	0.1
Wet Years (29%)	0.1	-0.0	-0.0	0.0	0.1	0.2	0.1	-0.0	0.0	0.2	-0.1	0.2
Normal Years (19%)	0.1	0.1	0.0	-0.0	-0.1	-0.2	-0.0	-0.0	0.1	0.1	0.0	0.2
Dry Years (31%)	-0.0	-0.0	-0.0	-0.0	0.1	-0.3	-0.1	-0.1	0.2	0.0	0.0	-0.0
Critically Dry Years (14%)	0.0	-0.1	-0.0	0.0	0.0	0.0	-0.1	-0.1	0.2	0.2	0.2	0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-3 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-3 b. Trinity River below Lewiston Dam, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.1	48.8	48.2	49.5	51.6	50.4	48.8	52.5	54.4	52.7	52.4
20% Exceedance	51.4	50.5	48.2	47.4	48.8	50.8	50.0	48.2	50.7	51.8	51.6	51.0
30% Exceedance	50.8	50.3	47.8	46.8	48.3	49.6	49.7	47.5	49.5	51.1	50.3	50.3
40% Exceedance	50.0	49.9	47.3	46.5	47.9	49.1	49.5	47.1	49.1	49.9	49.7	49.6
50% Exceedance	49.4	49.5	47.1	46.1	47.2	48.4	49.2	46.9	48.8	49.6	49.0	49.1
60% Exceedance	49.0	49.0	46.7	45.7	46.6	47.7	49.0	46.6	48.5	49.3	48.5	48.6
70% Exceedance	48.3	48.1	46.4	45.6	46.2	47.0	48.6	46.2	48.1	49.0	48.3	48.2
80% Exceedance	47.5	47.1	46.1	45.3	45.4	46.0	48.1	45.8	47.4	48.4	47.9	47.9
90% Exceedance	47.0	46.7	45.4	44.7	44.9	45.1	47.2	45.4	46.5	47.7	47.3	47.2
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.3	48.5	49.1	47.1	49.2	50.4	49.6	49.4
Extremely Wet Years (7%)	46.9	46.8	45.8	46.0	46.2	46.0	47.1	45.5	46.1	49.3	51.3	48.8
Wet Years (29%)	47.9	47.9	46.4	46.0	46.7	48.0	48.8	46.0	47.8	49.4	48.2	48.1
Normal Years (19%)	49.5	49.0	46.8	45.9	47.1	48.3	49.3	46.4	48.4	49.3	48.8	49.0
Dry Years (31%)	50.6	50.0	47.6	46.4	47.7	49.1	49.4	47.7	50.6	51.0	50.1	50.0
Critically Dry Years (14%)	52.5	50.9	48.7	47.3	48.4	49.6	49.6	49.7	51.3	52.9	52.0	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-3 c. Trinity River below Lewiston Dam, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.0	0.1	0.0	0.0	0.1	-0.1	-0.2	0.1	-0.1	-0.2	0.0
20% Exceedance	0.0	-0.2	0.1	-0.1	0.1	0.1	0.0	-0.1	0.4	0.2	0.0	-0.2
30% Exceedance	-0.0	0.1	-0.1	-0.0	0.2	0.1	0.0	-0.2	0.1	0.4	0.0	-0.1
40% Exceedance	-0.1	0.1	-0.0	0.1	0.3	0.2	0.0	0.0	-0.0	-0.0	0.0	0.1
50% Exceedance	0.2	0.1	0.0	-0.1	0.1	0.0	0.0	0.0	0.1	0.1	-0.3	0.2
60% Exceedance	0.4	0.1	0.0	-0.1	-0.0	0.0	0.1	-0.0	0.1	0.2	-0.1	0.3
70% Exceedance	0.0	-0.3	-0.0	0.0	0.2	-0.3	0.1	0.1	-0.0	0.1	0.1	0.1
80% Exceedance	0.1	-0.1	0.0	-0.0	0.1	-0.1	0.0	0.0	0.2	0.0	0.1	0.1
90% Exceedance	0.0	-0.1	-0.1	-0.1	-0.0	0.0	0.5	-0.0	-0.0	-0.0	0.0	0.0
Full Simulation Period Average^a	0.0	-0.0	-0.0	-0.0	0.1	0.1	0.1	-0.0	0.1	0.1	0.0	0.0
Extremely Wet Years (7%)	-0.0	0.1	0.0	0.0	1.0	1.3	0.5	-0.0	-0.0	0.2	0.3	0.1
Wet Years (29%)	0.1	-0.0	-0.0	-0.0	0.1	0.2	0.1	-0.0	0.1	0.1	-0.1	0.2
Normal Years (19%)	0.1	0.1	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.1	-0.0	-0.1	0.1
Dry Years (31%)	-0.0	-0.1	-0.1	-0.0	0.0	-0.2	0.0	-0.1	0.1	-0.0	-0.0	-0.1
Critically Dry Years (14%)	-0.0	-0.1	-0.1	0.0	0.0	0.0	-0.0	-0.1	0.1	0.1	0.4	0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-4 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-4 b. Trinity River below Lewiston Dam, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.2	48.9	48.1	49.6	51.6	50.2	49.0	52.5	53.6	52.9	52.4
20% Exceedance	51.3	50.6	48.2	47.4	48.9	50.8	49.9	48.1	51.0	51.8	51.6	51.0
30% Exceedance	50.8	50.2	47.8	46.8	48.3	49.6	49.7	47.5	49.5	50.9	50.1	50.4
40% Exceedance	49.9	49.8	47.4	46.5	47.8	49.0	49.5	47.2	49.1	50.2	49.6	49.7
50% Exceedance	49.3	49.5	47.2	46.1	47.2	48.4	49.1	46.8	48.8	49.7	49.1	49.1
60% Exceedance	49.0	49.0	46.7	45.8	46.7	47.7	48.9	46.6	48.5	49.2	48.6	48.6
70% Exceedance	48.3	48.3	46.4	45.6	46.3	47.2	48.6	46.1	48.1	49.0	48.3	48.2
80% Exceedance	47.4	47.2	46.1	45.3	45.7	46.0	48.0	45.8	47.3	48.3	47.8	47.8
90% Exceedance	47.1	46.8	45.4	44.8	44.9	45.2	46.7	45.4	46.5	47.7	47.3	47.2
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.3	48.5	49.0	47.1	49.2	50.4	49.6	49.5
Extremely Wet Years (7%)	46.8	46.7	45.8	46.1	46.2	46.0	47.3	45.5	46.1	49.3	51.3	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.8	47.9	48.8	46.0	47.8	49.5	48.2	48.0
Normal Years (19%)	49.4	49.0	46.9	45.9	47.2	48.5	49.3	46.4	48.4	49.4	48.8	49.1
Dry Years (31%)	50.6	50.1	47.7	46.4	47.7	49.0	49.3	47.7	50.7	51.0	50.1	50.0
Critically Dry Years (14%)	52.5	50.9	48.7	47.3	48.4	49.6	49.5	49.7	51.3	52.9	51.8	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-4 c. Trinity River below Lewiston Dam, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.0	0.1	0.2	0.0	0.1	0.1	-0.2	-0.1	0.1	-0.9	0.0	0.1
20% Exceedance	-0.0	-0.1	0.1	-0.1	0.2	0.1	-0.1	-0.1	0.7	0.2	0.1	-0.3
30% Exceedance	-0.0	0.1	-0.0	-0.0	0.2	0.1	0.0	-0.2	0.1	0.3	-0.1	-0.0
40% Exceedance	-0.2	0.1	0.0	0.1	0.2	0.1	-0.0	0.1	-0.0	0.2	-0.1	0.1
50% Exceedance	0.0	0.1	0.0	-0.1	0.1	0.1	-0.0	-0.0	0.1	0.2	-0.2	0.2
60% Exceedance	0.3	0.2	0.0	-0.0	0.1	0.0	0.1	-0.0	0.1	0.1	-0.0	0.3
70% Exceedance	0.1	-0.1	0.0	0.0	0.3	-0.1	0.1	-0.0	0.0	0.1	0.0	0.1
80% Exceedance	0.1	-0.0	-0.0	-0.0	0.3	-0.1	-0.0	0.0	0.1	-0.1	0.0	0.1
90% Exceedance	0.1	-0.0	-0.0	-0.1	0.1	0.1	0.0	-0.0	-0.0	-0.0	0.1	0.1
Full Simulation Period Average^a	0.0	0.0	-0.0	-0.0	0.2	0.1	0.0	-0.0	0.1	0.1	-0.0	0.1
Extremely Wet Years (7%)	-0.0	0.0	-0.0	0.1	0.9	1.2	0.7	-0.0	-0.0	0.2	0.2	0.0
Wet Years (29%)	0.1	0.0	-0.0	0.0	0.2	0.1	0.1	-0.0	0.0	0.2	-0.1	0.1
Normal Years (19%)	0.0	0.1	0.0	-0.0	0.1	0.0	-0.0	-0.0	0.1	0.1	-0.0	0.2
Dry Years (31%)	-0.0	0.0	0.0	-0.0	0.1	-0.2	-0.1	-0.1	0.2	-0.1	0.0	-0.1
Critically Dry Years (14%)	-0.0	-0.1	-0.1	-0.0	0.0	0.0	-0.1	-0.1	0.2	0.1	0.2	0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-5 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-5 b. Trinity River below Lewiston Dam, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.3	48.9	48.1	49.6	51.6	50.4	48.9	52.5	54.3	53.0	52.5
20% Exceedance	51.6	50.6	48.2	47.4	48.9	50.8	49.9	48.1	50.8	52.0	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.3	49.5	49.7	47.5	49.5	51.0	50.2	50.3
40% Exceedance	49.8	49.8	47.5	46.5	47.9	48.9	49.5	47.1	49.2	50.1	49.7	49.7
50% Exceedance	49.3	49.5	47.2	46.1	47.2	48.4	49.1	46.8	48.7	49.7	49.2	49.1
60% Exceedance	48.8	49.0	46.7	45.7	46.6	47.7	48.9	46.5	48.6	49.3	48.6	48.6
70% Exceedance	48.3	48.2	46.4	45.6	46.3	47.2	48.6	46.1	48.2	49.0	48.3	48.2
80% Exceedance	47.5	47.2	46.0	45.3	45.5	46.0	48.0	45.8	47.3	48.3	47.8	47.9
90% Exceedance	47.0	46.8	45.4	44.7	44.9	45.2	46.7	45.4	46.6	47.8	47.3	47.2
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.3	48.5	49.0	47.0	49.2	50.4	49.6	49.5
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	46.2	46.0	47.2	45.5	46.1	49.3	51.3	48.8
Wet Years (29%)	47.9	48.0	46.4	46.1	46.8	47.9	48.8	46.0	47.8	49.5	48.2	48.1
Normal Years (19%)	49.4	49.0	46.9	45.9	47.2	48.5	49.3	46.4	48.4	49.3	48.8	49.1
Dry Years (31%)	50.6	50.1	47.6	46.4	47.7	49.0	49.3	47.7	50.8	51.1	50.1	50.1
Critically Dry Years (14%)	52.5	50.8	48.7	47.3	48.4	49.5	49.5	49.6	51.3	52.9	51.8	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-5 c. Trinity River below Lewiston Dam, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.1	0.2	-0.1	0.1	0.1	-0.0	-0.2	0.1	-0.1	0.1	0.1
20% Exceedance	0.3	-0.1	0.0	-0.1	0.2	0.1	-0.1	-0.2	0.6	0.4	-0.0	-0.1
30% Exceedance	-0.0	0.1	-0.1	-0.0	0.2	-0.0	0.0	-0.2	0.1	0.4	-0.0	-0.1
40% Exceedance	-0.4	0.1	0.1	0.1	0.3	0.0	0.0	0.0	0.1	0.2	-0.0	0.2
50% Exceedance	0.1	0.1	0.1	-0.1	0.1	0.0	-0.0	-0.0	-0.0	0.2	-0.1	0.1
60% Exceedance	0.1	0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	0.1	0.2	-0.0	0.3
70% Exceedance	0.1	-0.1	0.0	0.0	0.3	-0.1	0.1	-0.0	0.0	0.1	0.1	0.1
80% Exceedance	0.1	0.0	-0.0	-0.0	0.2	-0.1	-0.0	0.0	0.1	-0.1	-0.0	0.2
90% Exceedance	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	-0.1	-0.0	0.1	0.1	0.1
Full Simulation Period Average^a	0.0	0.0	-0.0	-0.0	0.1	0.1	0.0	-0.1	0.1	0.1	-0.0	0.1
Extremely Wet Years (7%)	-0.0	0.0	0.0	0.0	0.9	1.2	0.6	-0.0	-0.0	0.2	0.3	0.0
Wet Years (29%)	0.1	0.1	-0.0	0.0	0.2	0.1	0.1	-0.0	0.0	0.2	-0.1	0.2
Normal Years (19%)	0.0	0.1	0.0	-0.0	0.1	0.0	-0.0	-0.1	0.0	0.0	-0.0	0.1
Dry Years (31%)	0.0	0.0	-0.0	-0.0	0.1	-0.2	-0.1	-0.1	0.2	0.1	-0.1	0.0
Critically Dry Years (14%)	-0.0	-0.1	-0.1	-0.0	0.0	-0.0	-0.1	-0.2	0.2	0.1	0.2	0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-6 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-6 b. Trinity River below Lewiston Dam, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.0	48.6	48.0	49.5	52.0	50.5	49.2	52.7	53.4	52.3	51.8
20% Exceedance	51.2	50.5	48.0	47.4	48.7	51.0	49.9	48.3	51.0	51.6	51.5	50.8
30% Exceedance	50.6	49.9	47.6	46.8	48.0	49.9	49.7	47.7	49.9	50.9	50.0	50.0
40% Exceedance	49.6	49.6	47.2	46.5	47.8	48.7	49.4	47.1	49.4	50.3	49.5	49.4
50% Exceedance	49.0	49.1	46.9	46.1	46.9	48.3	49.2	46.8	48.8	49.6	48.9	48.8
60% Exceedance	48.6	48.8	46.6	45.7	46.5	47.5	48.6	46.6	48.5	49.2	48.6	48.3
70% Exceedance	48.0	48.4	46.4	45.5	45.9	47.0	48.2	46.3	48.0	48.9	48.1	48.0
80% Exceedance	47.5	47.5	46.1	45.2	45.2	45.9	47.8	45.8	47.5	48.4	47.8	47.6
90% Exceedance	47.1	46.9	45.5	44.7	44.6	45.1	46.6	45.5	46.7	47.8	47.2	47.3
Full Simulation Period Average^a	49.5	49.0	47.0	46.3	47.1	48.4	48.9	47.2	49.3	50.3	49.5	49.2
Extremely Wet Years (7%)	47.5	47.0	46.0	46.0	45.1	44.7	46.5	45.5	46.2	48.9	49.9	48.3
Wet Years (29%)	48.1	48.1	46.4	45.9	46.3	47.6	48.3	46.0	47.8	49.4	48.3	47.9
Normal Years (19%)	49.0	48.7	46.7	46.0	47.2	48.8	49.3	46.5	48.4	49.3	48.9	48.7
Dry Years (31%)	50.3	49.8	47.4	46.4	47.6	49.4	49.5	47.8	51.0	51.1	49.7	49.7
Critically Dry Years (14%)	52.4	50.8	48.6	47.3	48.3	49.4	49.6	49.8	51.3	52.4	51.9	51.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-6 c. Trinity River below Lewiston Dam, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.1	-0.2	-0.1	-0.0	0.5	0.1	0.1	0.2	-1.1	-0.6	-0.6
20% Exceedance	-0.1	-0.2	-0.1	-0.1	-0.0	0.3	-0.0	0.1	0.7	-0.0	-0.0	-0.5
30% Exceedance	-0.2	-0.3	-0.2	0.0	-0.2	0.4	0.0	0.0	0.5	0.2	-0.2	-0.5
40% Exceedance	-0.5	-0.2	-0.2	0.1	0.2	-0.2	-0.0	-0.0	0.3	0.3	-0.2	-0.1
50% Exceedance	-0.3	-0.3	-0.2	-0.1	-0.2	-0.1	0.1	-0.0	0.1	0.1	-0.4	-0.2
60% Exceedance	-0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	0.0	0.1	0.1	-0.0	-0.1
70% Exceedance	-0.2	0.0	-0.0	-0.0	-0.1	-0.4	-0.3	0.1	-0.1	0.0	-0.1	-0.1
80% Exceedance	0.1	0.3	-0.0	-0.2	-0.1	-0.2	-0.2	0.1	0.3	0.1	0.0	-0.1
90% Exceedance	0.1	0.1	0.0	-0.1	-0.3	-0.1	-0.1	0.1	0.1	0.0	-0.1	0.1
Full Simulation Period Average^a	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.2	-0.0	-0.1	-0.2
Extremely Wet Years (7%)	0.6	0.3	0.1	-0.0	-0.2	-0.1	-0.1	0.0	0.0	-0.2	-1.1	-0.5
Wet Years (29%)	0.2	0.2	0.0	-0.2	-0.3	-0.2	-0.4	0.0	0.0	0.1	0.0	0.0
Normal Years (19%)	-0.4	-0.2	-0.2	0.0	0.1	0.3	-0.0	0.0	0.0	0.0	0.1	-0.2
Dry Years (31%)	-0.3	-0.2	-0.2	-0.0	-0.0	0.2	0.1	0.0	0.5	0.1	-0.4	-0.3
Critically Dry Years (14%)	-0.2	-0.1	-0.1	-0.0	-0.1	-0.2	0.0	0.1	0.2	-0.4	0.3	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-7 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-7 b. Trinity River below Lewiston Dam, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.1	48.8	48.1	49.5	51.6	50.6	49.2	52.5	54.4	52.8	52.2
20% Exceedance	51.3	50.6	48.1	47.5	48.5	50.8	50.0	48.3	50.5	51.6	51.5	51.2
30% Exceedance	50.7	50.1	47.7	46.8	48.1	49.4	49.8	47.6	49.5	50.7	50.2	50.4
40% Exceedance	49.9	49.7	47.4	46.4	47.7	49.0	49.5	47.1	49.1	50.0	49.6	49.7
50% Exceedance	49.2	49.4	47.0	46.0	47.1	48.2	49.2	46.8	48.8	49.6	49.0	48.9
60% Exceedance	48.7	48.8	46.6	45.7	46.5	47.6	48.9	46.6	48.5	49.2	48.6	48.6
70% Exceedance	48.4	48.1	46.4	45.6	46.2	46.8	48.6	46.3	48.2	48.9	48.2	48.2
80% Exceedance	47.6	46.9	46.1	45.4	45.4	46.0	48.0	45.8	47.2	48.4	47.8	47.9
90% Exceedance	47.1	46.4	45.5	44.7	44.9	45.1	46.8	45.4	46.6	47.6	47.3	47.2
Full Simulation Period Average^a	49.6	49.0	47.1	46.3	47.2	48.3	49.0	47.1	49.1	50.4	49.6	49.4
Extremely Wet Years (7%)	46.9	46.4	45.8	46.0	45.4	44.8	46.6	45.5	46.2	49.2	51.3	48.8
Wet Years (29%)	48.3	47.8	46.3	46.0	46.5	47.6	48.7	46.0	47.8	49.3	48.1	48.1
Normal Years (19%)	49.1	48.8	46.8	45.9	47.2	48.5	49.3	46.4	48.4	49.4	48.8	49.0
Dry Years (31%)	50.4	50.0	47.6	46.4	47.7	49.2	49.5	47.8	50.5	51.1	50.0	50.0
Critically Dry Years (14%)	52.4	50.9	48.7	47.3	48.3	49.4	49.7	49.8	51.3	52.8	52.0	51.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-7 c. Trinity River below Lewiston Dam, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.1	0.0	0.0	-0.0	0.1	0.1	0.2	0.1	-0.1	-0.1	-0.2
20% Exceedance	-0.0	-0.1	-0.0	0.0	-0.2	0.1	0.0	0.0	0.2	0.0	-0.0	-0.1
30% Exceedance	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	0.0	0.1	-0.0	-0.1
40% Exceedance	-0.2	-0.1	-0.0	0.0	0.1	0.1	0.0	-0.0	-0.0	0.1	-0.1	0.1
50% Exceedance	-0.0	-0.0	-0.1	-0.2	0.0	-0.2	0.0	-0.0	0.0	0.1	-0.3	-0.1
60% Exceedance	0.1	0.0	-0.1	-0.1	-0.0	-0.1	0.0	0.0	0.1	0.1	0.0	0.3
70% Exceedance	0.2	-0.3	-0.0	0.0	0.2	-0.5	0.1	0.1	0.0	0.0	-0.0	0.1
80% Exceedance	0.2	-0.3	0.0	-0.0	0.0	-0.1	-0.0	0.0	-0.0	-0.0	0.0	0.2
90% Exceedance	0.0	-0.4	0.0	-0.1	-0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.1
Full Simulation Period Average^a	0.0	-0.1	-0.1	-0.0	-0.0	-0.1	0.0	0.0	0.1	0.0	-0.0	0.0
Extremely Wet Years (7%)	0.0	-0.3	-0.0	0.0	0.2	0.0	0.0	-0.0	0.0	0.1	0.2	0.0
Wet Years (29%)	0.5	-0.1	-0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	-0.0	-0.2	0.2
Normal Years (19%)	-0.3	-0.1	-0.1	-0.0	0.1	0.0	-0.0	0.0	0.0	0.0	-0.0	0.1
Dry Years (31%)	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1
Critically Dry Years (14%)	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	0.1	-0.0	0.1	0.1	0.4	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-8 a. Trinity River below Lewiston Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.1	48.7	48.1	49.5	51.5	50.5	49.1	52.4	54.4	52.9	52.4
20% Exceedance	51.3	50.7	48.1	47.5	48.7	50.7	50.0	48.2	50.3	51.6	51.5	51.2
30% Exceedance	50.8	50.2	47.8	46.8	48.2	49.5	49.7	47.7	49.4	50.6	50.2	50.4
40% Exceedance	50.1	49.8	47.4	46.4	47.6	48.9	49.5	47.1	49.1	49.9	49.7	49.5
50% Exceedance	49.2	49.4	47.1	46.2	47.1	48.4	49.2	46.8	48.8	49.5	49.3	48.9
60% Exceedance	48.7	48.8	46.7	45.8	46.6	47.6	48.8	46.6	48.4	49.1	48.6	48.4
70% Exceedance	48.2	48.4	46.4	45.5	46.0	47.3	48.4	46.2	48.1	48.9	48.2	48.1
80% Exceedance	47.4	47.2	46.1	45.4	45.3	46.1	48.0	45.7	47.2	48.4	47.8	47.7
90% Exceedance	47.0	46.8	45.4	44.8	44.9	45.1	46.7	45.4	46.6	47.7	47.3	47.1
Full Simulation Period Average^a	49.6	49.1	47.1	46.3	47.2	48.4	49.0	47.1	49.1	50.3	49.6	49.4
Extremely Wet Years (7%)	46.9	46.7	45.8	46.0	45.3	44.8	46.6	45.5	46.2	49.1	51.0	48.8
Wet Years (29%)	47.9	47.9	46.4	46.1	46.6	47.7	48.7	46.0	47.7	49.3	48.3	47.9
Normal Years (19%)	49.4	48.9	46.9	46.0	47.2	48.5	49.3	46.4	48.3	49.3	48.8	48.9
Dry Years (31%)	50.6	50.1	47.6	46.4	47.6	49.3	49.4	47.8	50.5	51.0	50.1	50.1
Critically Dry Years (14%)	52.6	51.0	48.8	47.3	48.4	49.6	49.6	49.8	51.2	52.8	51.6	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-8 b. Trinity River below Lewiston Dam, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.1	48.9	48.1	49.5	51.4	50.4	48.9	52.6	53.8	52.7	52.4
20% Exceedance	51.1	50.5	48.1	47.4	48.8	50.6	49.9	48.2	50.5	51.8	51.5	51.1
30% Exceedance	50.6	50.1	47.7	46.8	48.3	49.5	49.7	47.6	49.5	51.1	50.0	50.2
40% Exceedance	49.7	49.8	47.4	46.4	47.8	49.0	49.5	47.1	49.1	50.1	49.7	49.7
50% Exceedance	49.3	49.5	47.0	46.0	47.2	48.3	49.2	46.9	48.7	49.8	49.1	49.1
60% Exceedance	48.8	48.7	46.7	45.7	46.6	47.6	49.0	46.5	48.6	49.3	48.5	48.7
70% Exceedance	48.2	47.9	46.4	45.6	46.3	47.0	48.6	46.2	48.2	49.0	48.2	48.3
80% Exceedance	47.4	47.0	46.1	45.4	45.8	46.0	48.0	45.8	47.3	48.3	47.8	48.0
90% Exceedance	47.1	46.7	45.4	44.7	45.0	45.1	46.8	45.4	46.5	47.8	47.3	47.3
Full Simulation Period Average^a	49.5	49.0	47.1	46.3	47.3	48.4	49.0	47.1	49.1	50.4	49.6	49.5
Extremely Wet Years (7%)	46.9	46.6	45.8	46.0	46.2	44.8	46.6	45.5	46.1	49.3	51.3	48.8
Wet Years (29%)	47.9	47.9	46.3	46.0	46.6	47.8	48.7	46.0	47.8	49.5	48.2	48.2
Normal Years (19%)	49.3	48.8	46.8	45.9	47.3	48.7	49.3	46.4	48.3	49.4	48.8	49.1
Dry Years (31%)	50.4	50.0	47.6	46.4	47.8	49.0	49.4	47.7	50.6	51.0	50.0	49.9
Critically Dry Years (14%)	52.5	50.9	48.6	47.3	48.4	49.5	49.6	49.7	51.3	52.8	52.0	52.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-3-8 c. Trinity River below Lewiston Dam, Action 5 Minus NAA, Monthly Temperature (DEG-F)

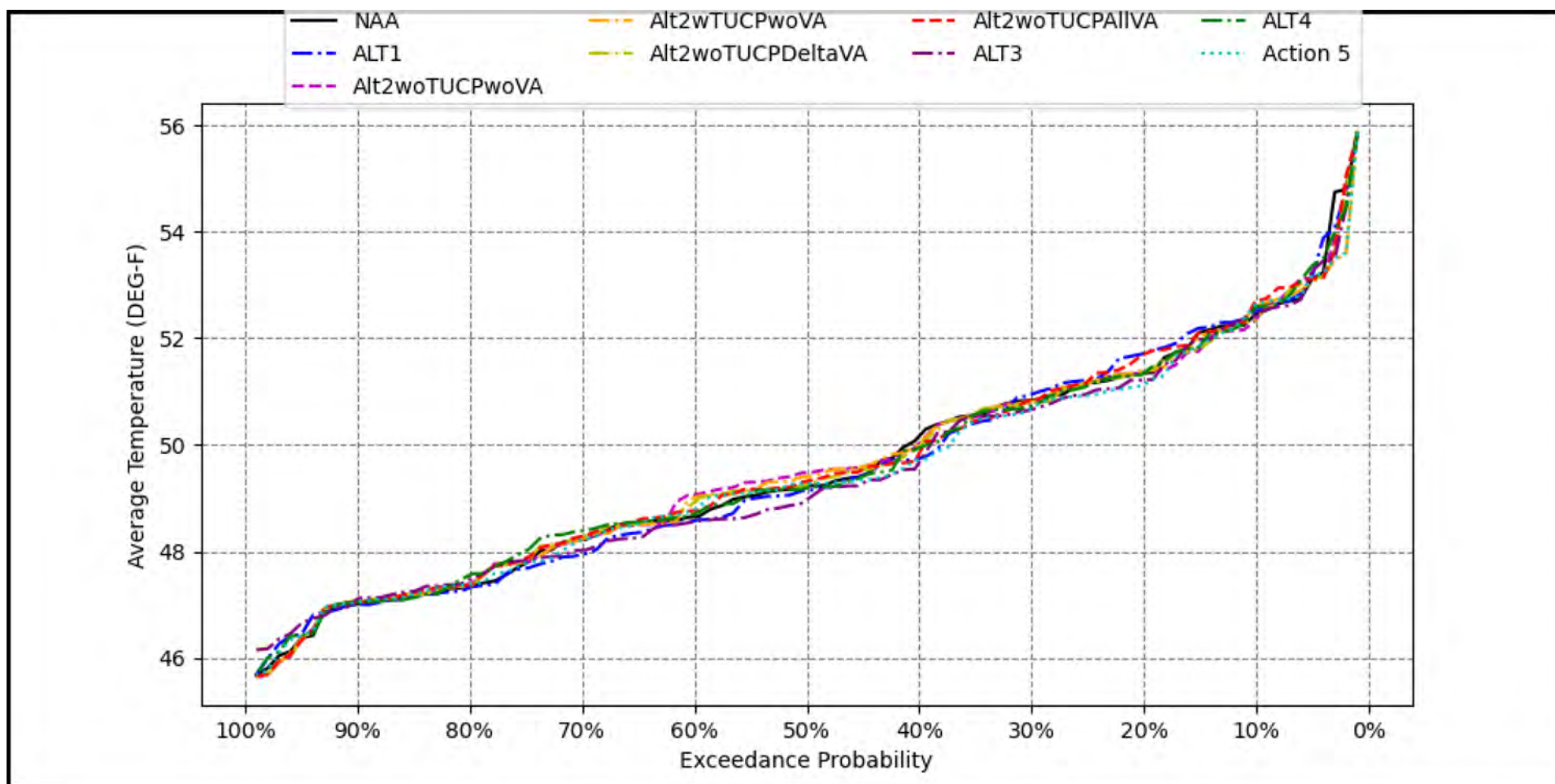
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.0	0.1	-0.0	0.0	-0.1	-0.1	-0.2	0.2	-0.6	-0.2	0.1
20% Exceedance	-0.2	-0.1	0.0	-0.2	0.1	-0.0	-0.0	-0.0	0.2	0.2	-0.1	-0.1
30% Exceedance	-0.2	-0.1	-0.1	-0.0	0.2	-0.0	-0.0	-0.1	0.1	0.5	-0.2	-0.2
40% Exceedance	-0.4	-0.0	-0.0	-0.0	0.3	0.1	0.0	-0.0	0.0	0.2	-0.0	0.1
50% Exceedance	0.0	0.1	-0.1	-0.1	0.1	-0.0	0.0	0.0	-0.1	0.2	-0.2	0.2
60% Exceedance	0.2	-0.1	0.0	-0.1	0.0	0.0	0.1	-0.1	0.1	0.2	-0.0	0.3
70% Exceedance	0.0	-0.5	-0.0	0.0	0.3	-0.3	0.2	0.1	0.1	0.1	0.0	0.2
80% Exceedance	0.0	-0.2	-0.0	-0.0	0.5	-0.2	-0.0	0.0	0.1	-0.1	-0.0	0.3
90% Exceedance	0.0	-0.1	-0.0	-0.1	0.1	0.0	0.1	-0.0	-0.0	0.1	0.1	0.1
Full Simulation Period Average^a	-0.1	-0.1	-0.1	-0.0	0.1	-0.0	0.0	-0.0	0.1	0.1	-0.0	0.1
Extremely Wet Years (7%)	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	-0.0	-0.0	0.3	0.3	0.1
Wet Years (29%)	0.1	-0.1	-0.0	-0.1	0.0	0.0	0.0	-0.0	0.1	0.2	-0.1	0.3
Normal Years (19%)	-0.1	-0.1	-0.1	-0.0	0.1	0.2	-0.0	-0.0	-0.0	0.1	-0.0	0.2
Dry Years (31%)	-0.2	-0.1	-0.1	-0.0	0.1	-0.3	0.0	-0.0	0.1	-0.1	-0.1	-0.1
Critically Dry Years (14%)	-0.1	-0.1	-0.1	-0.0	0.1	-0.0	-0.0	-0.1	0.1	0.1	0.3	0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

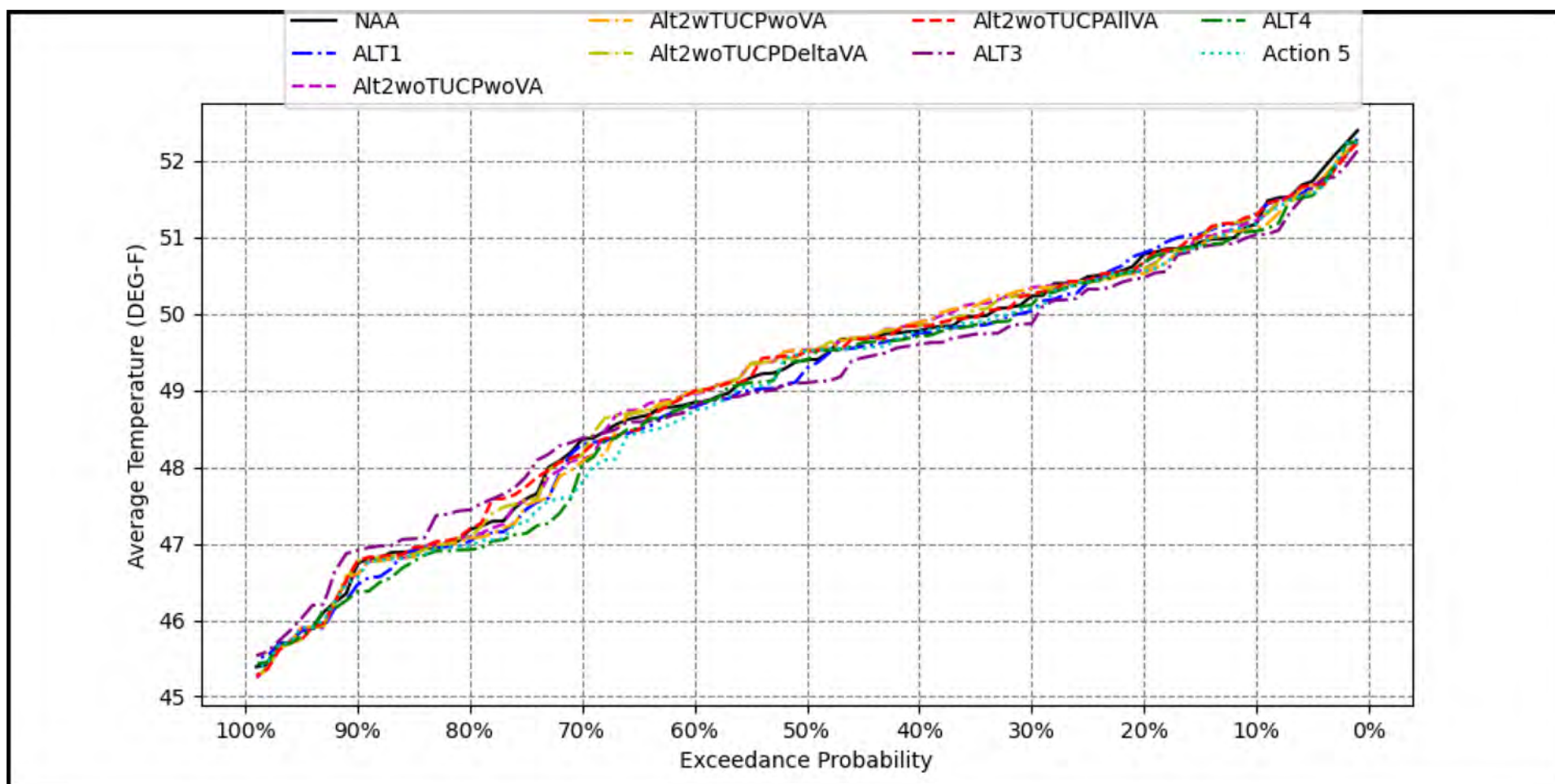
* Water Year Types defined by the Trinity Water Year Hydrologic Classification.

* Water Year Types results are displayed with calendar year – year type sorting.



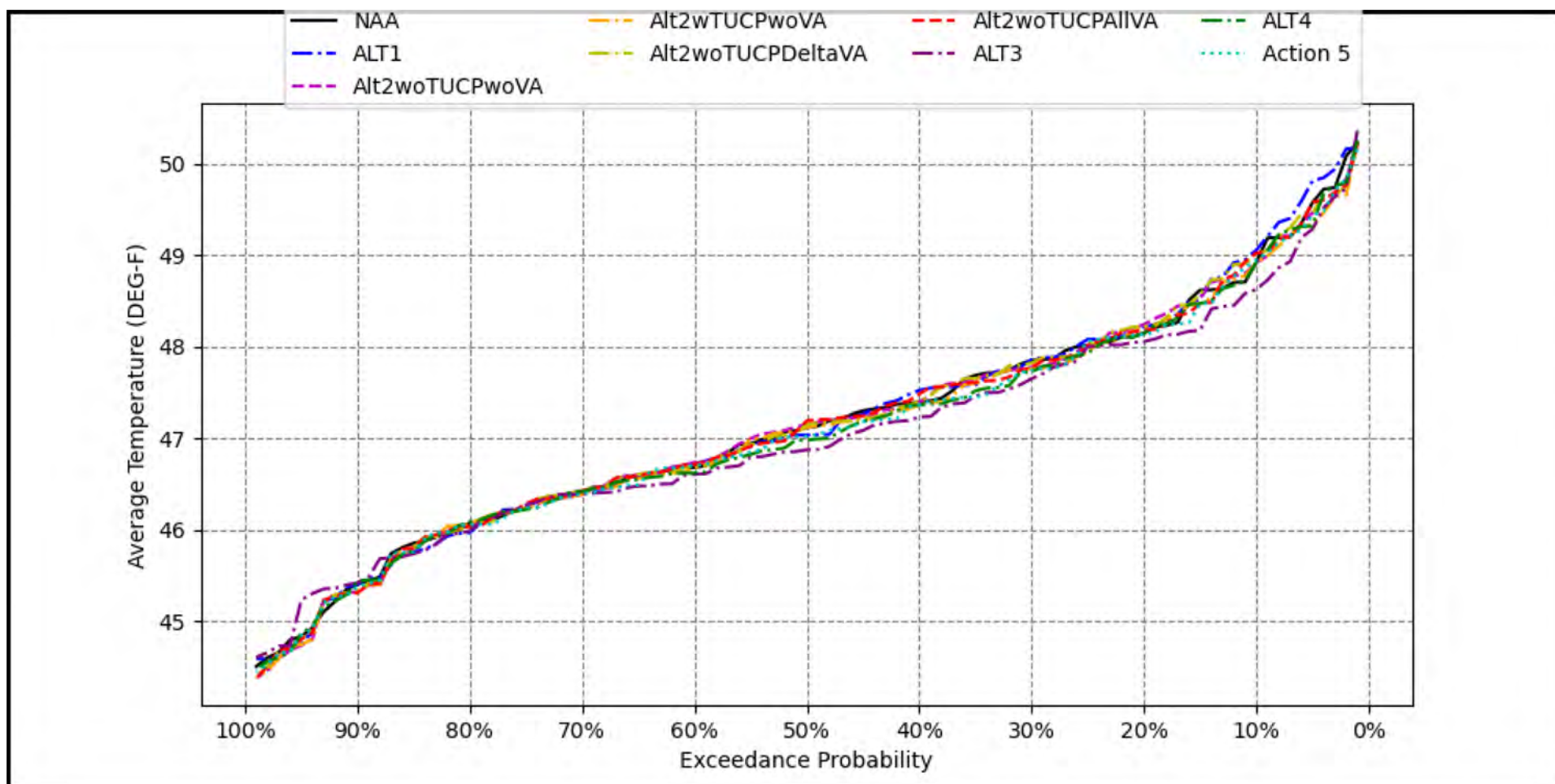
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-1 Trinity River below Lewiston Dam, October Temperature



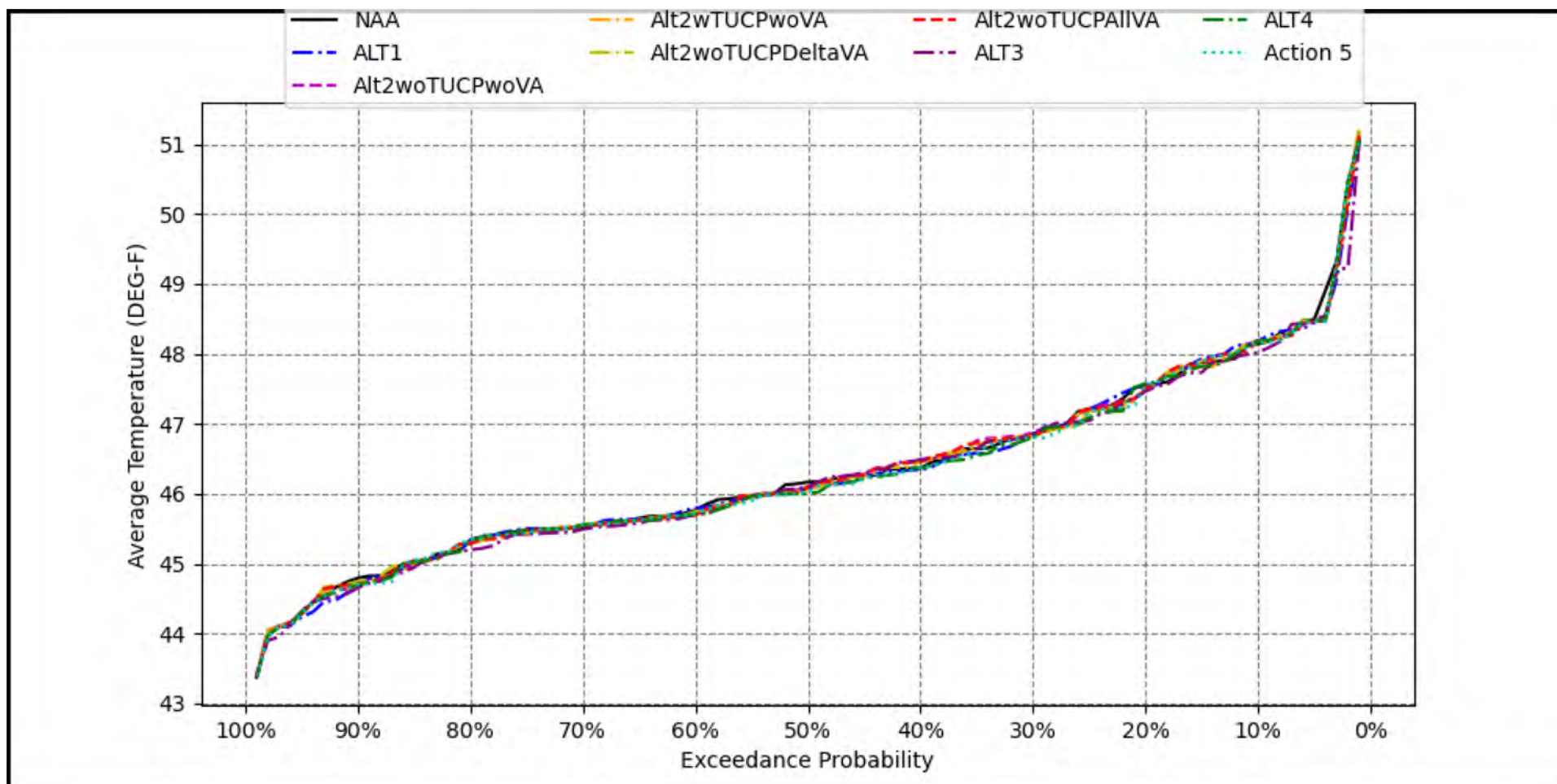
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-2 Trinity River below Lewiston Dam, November Temperature



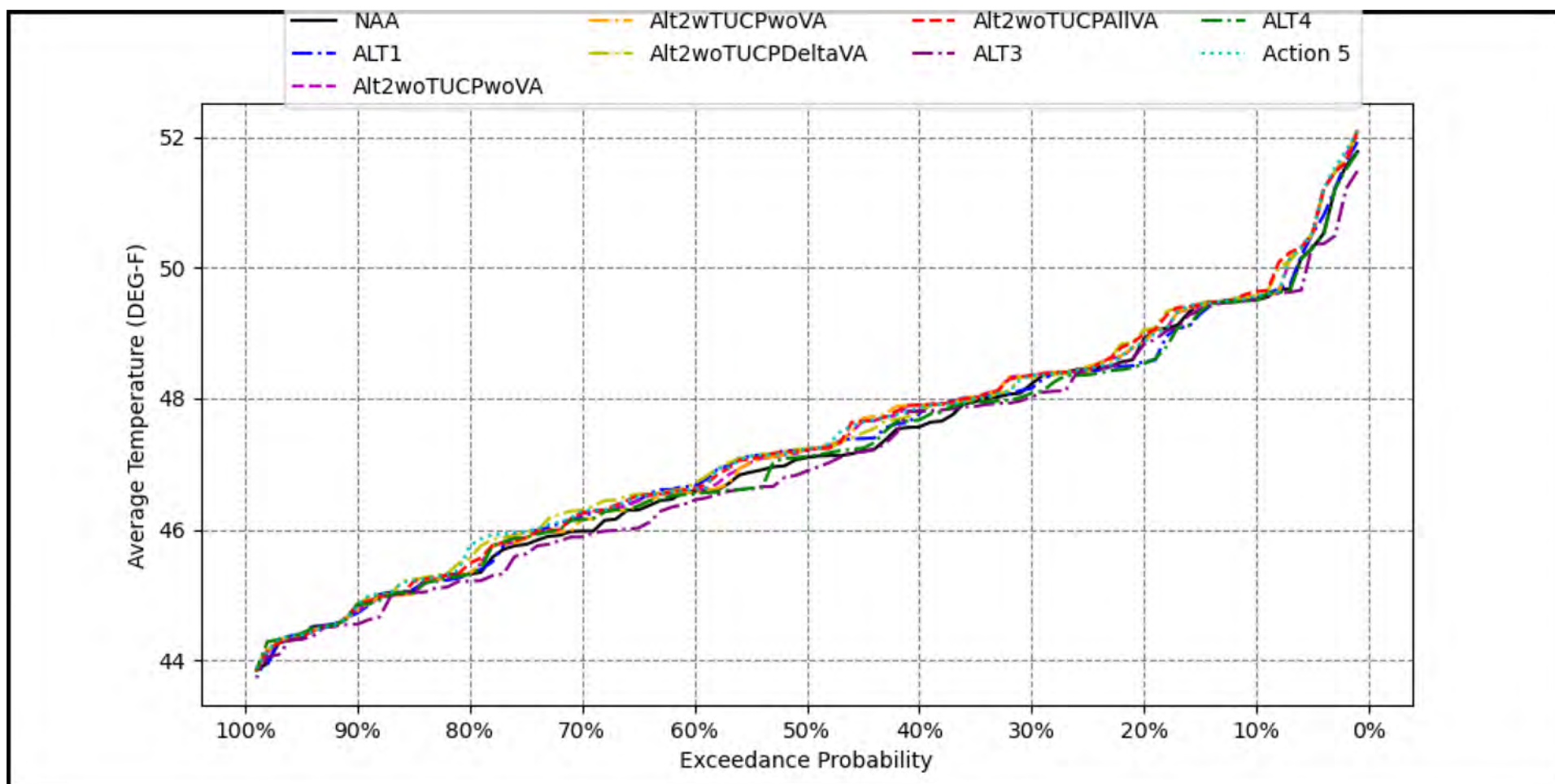
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-3 Trinity River below Lewiston Dam, December Temperature



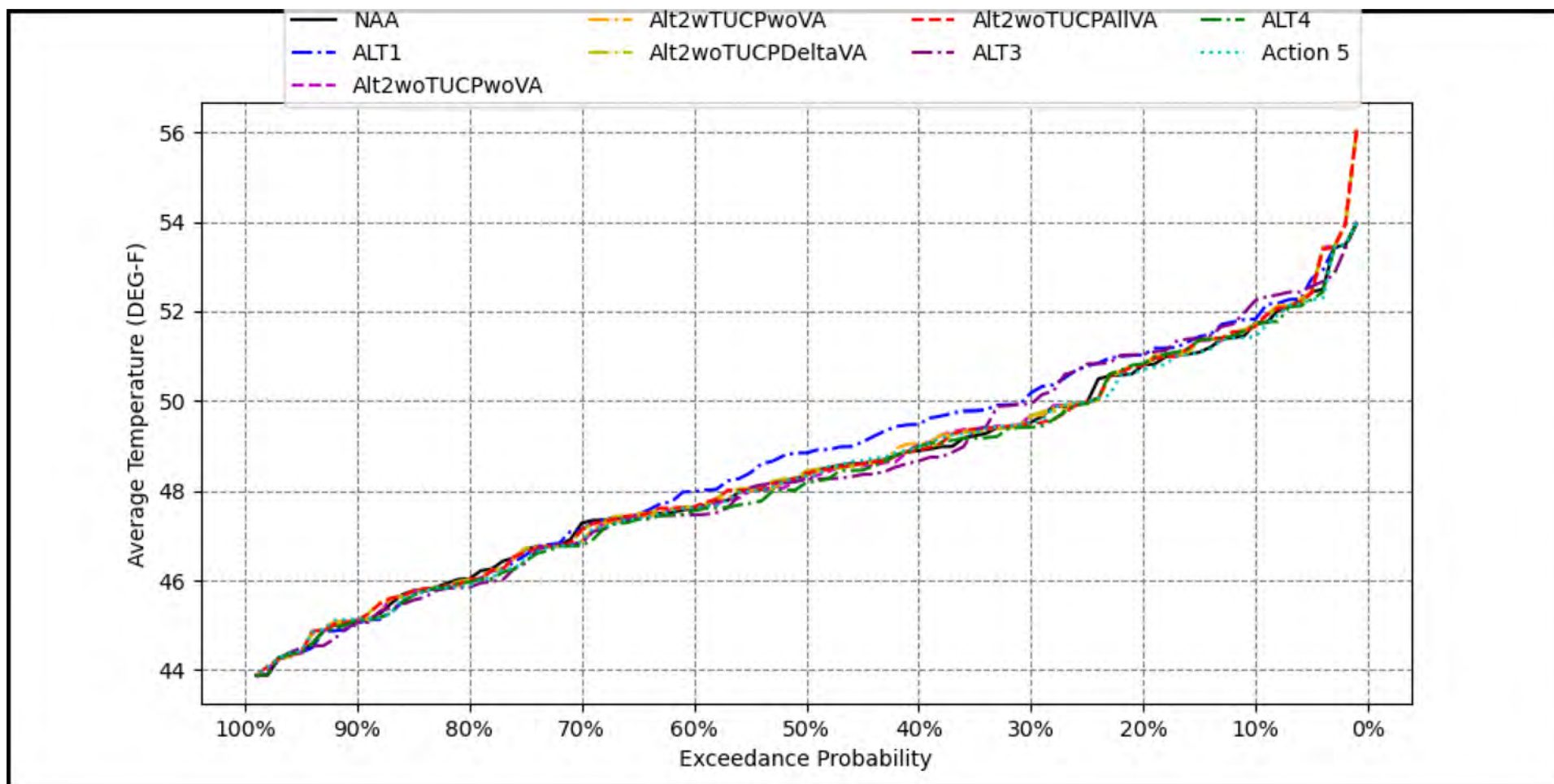
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-4 Trinity River below Lewiston Dam, January Temperature



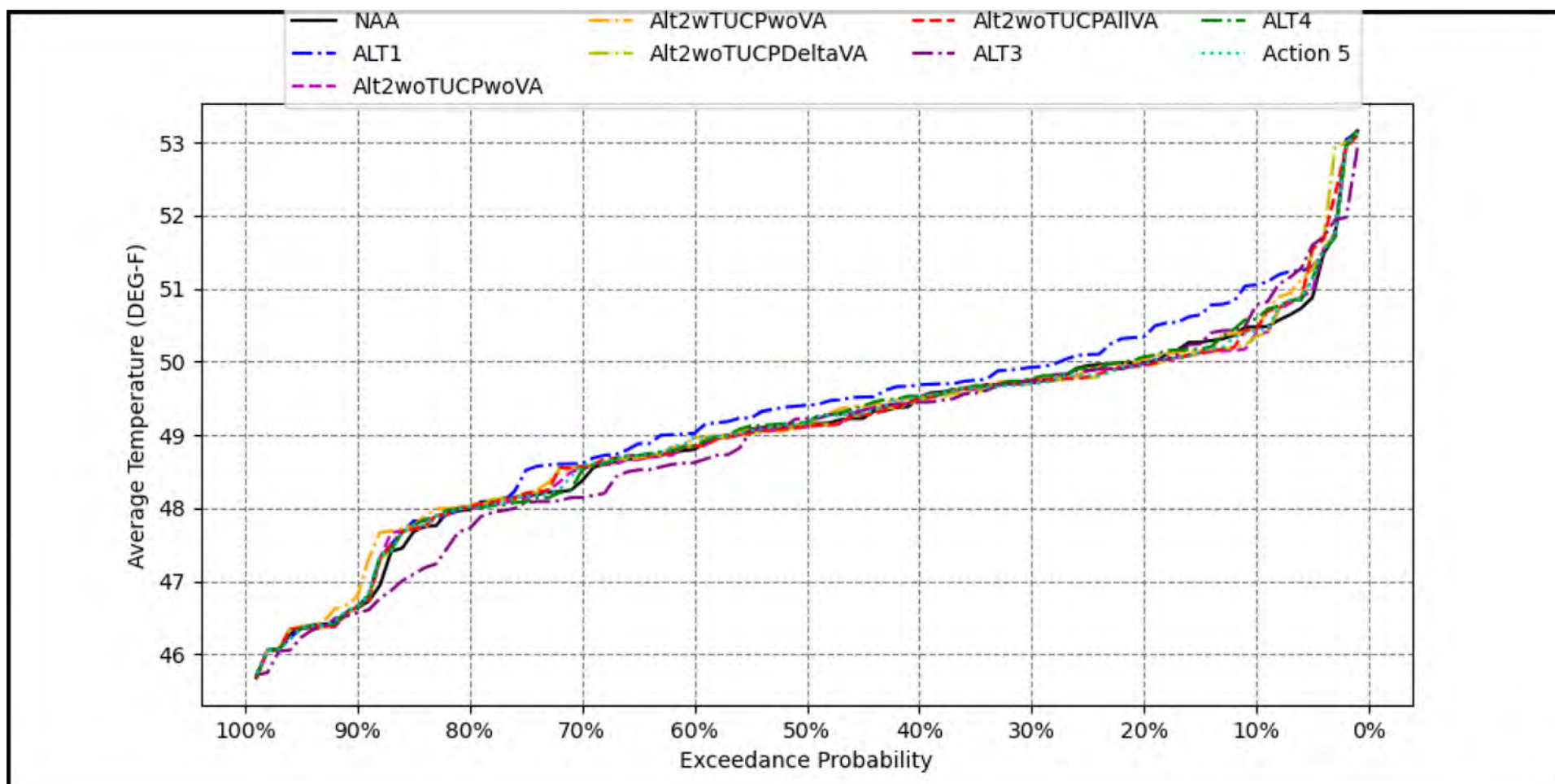
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-5 Trinity River below Lewiston Dam, February Temperature



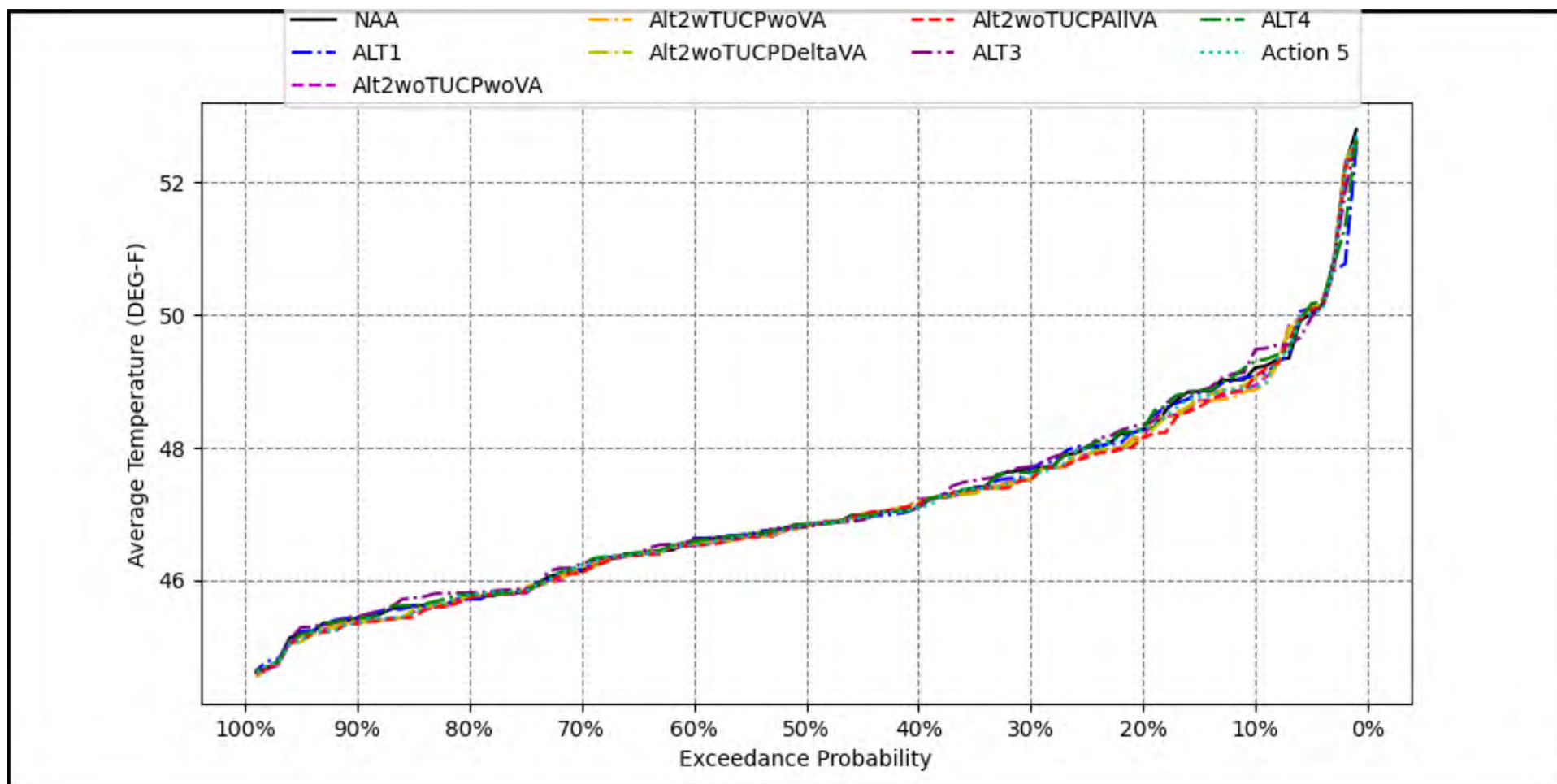
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-6 Trinity River below Lewiston Dam, March Temperature



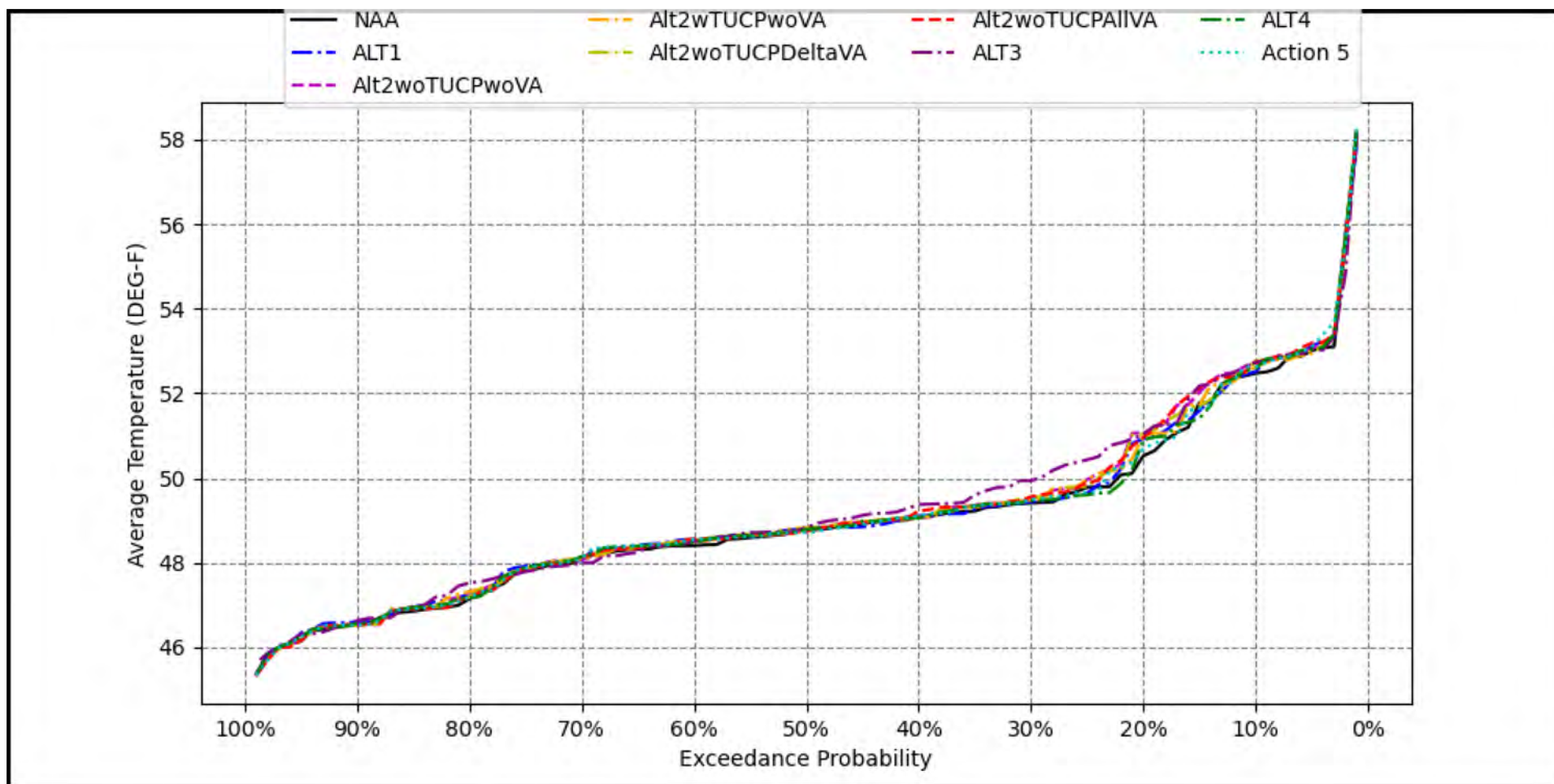
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-7 Trinity River below Lewiston Dam, April Temperature



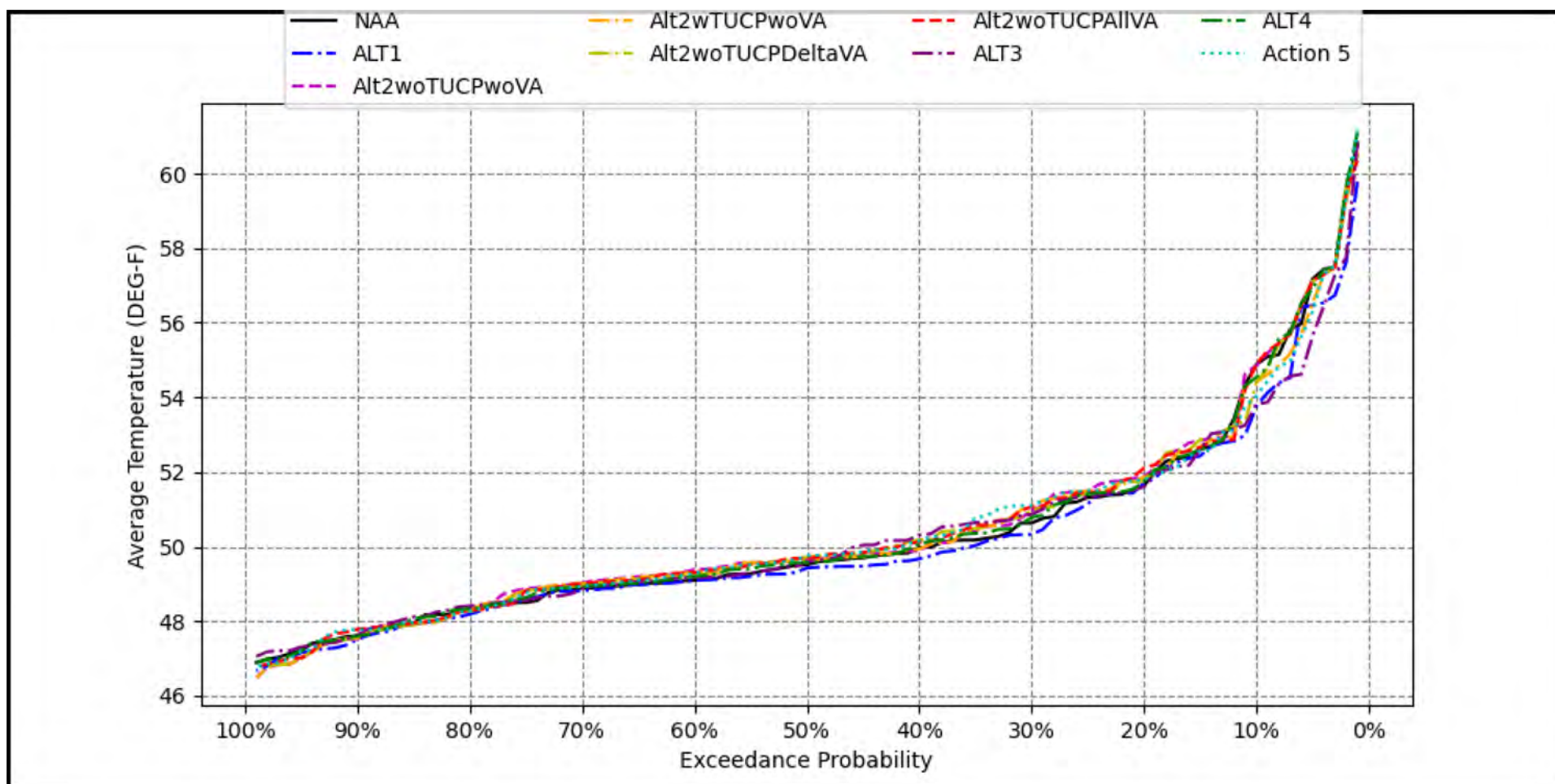
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-8 Trinity River below Lewiston Dam, May Temperature



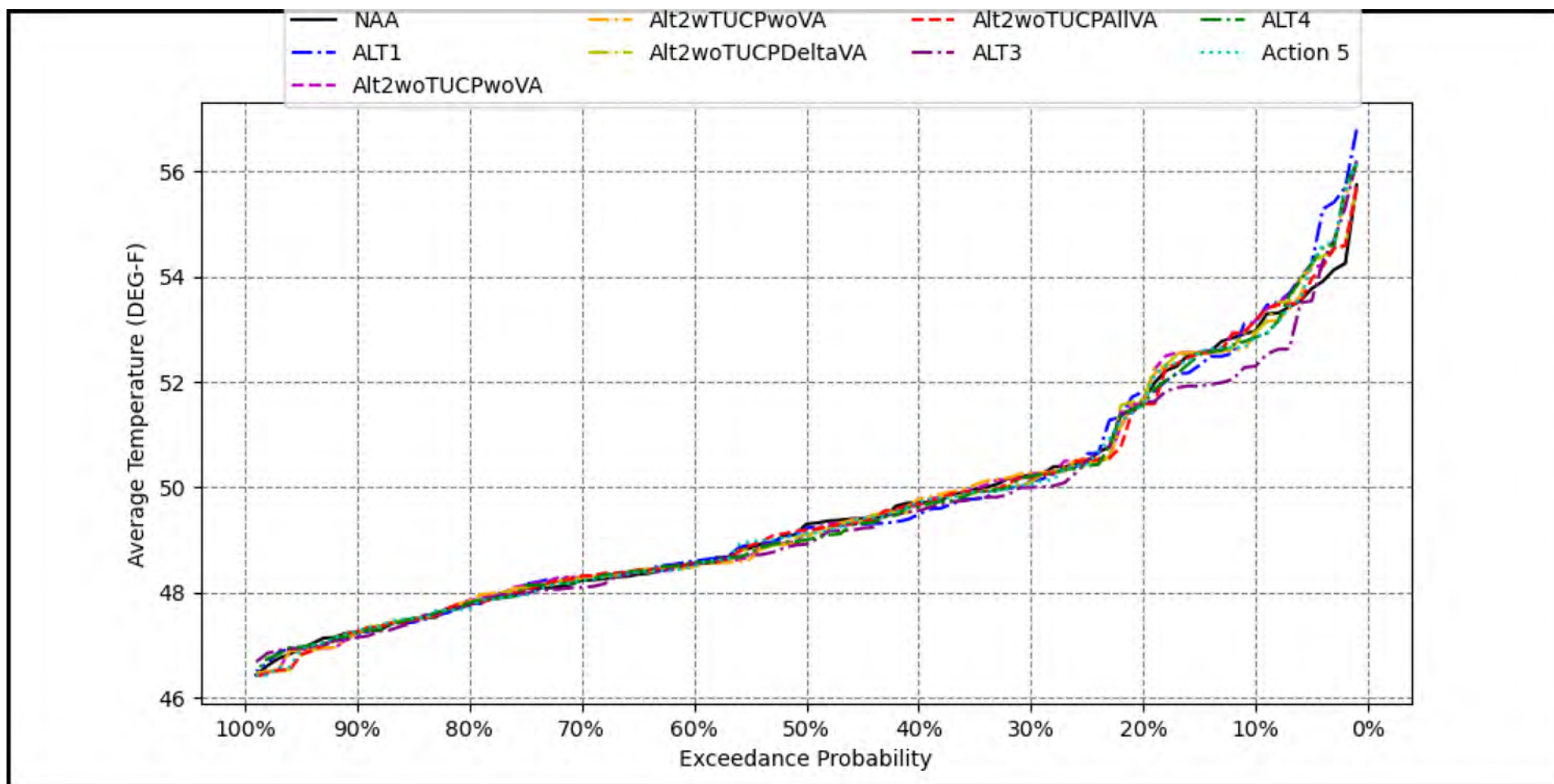
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-9 Trinity River below Lewiston Dam, June Temperature



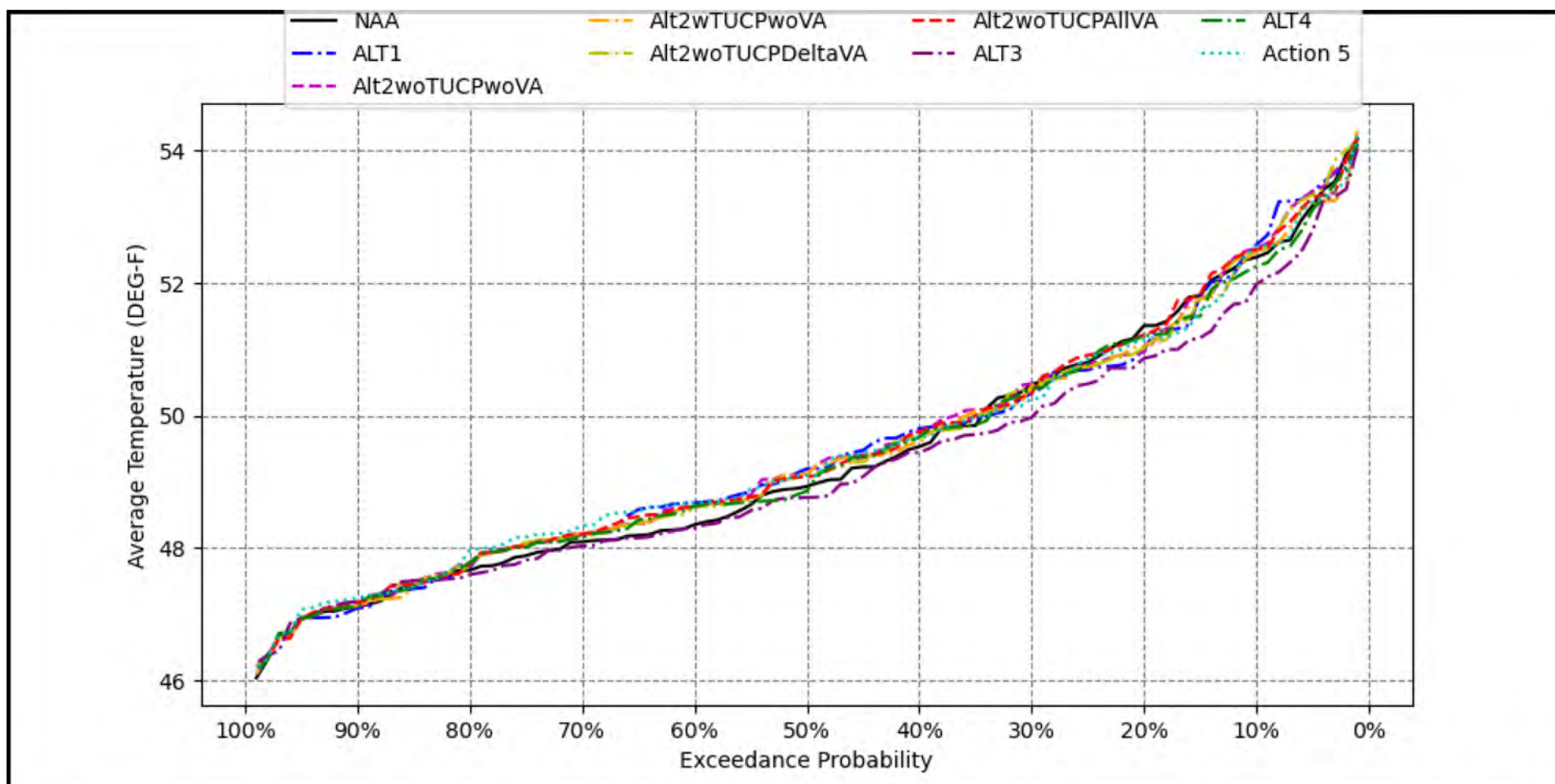
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-10 Trinity River below Lewiston Dam, July Temperature



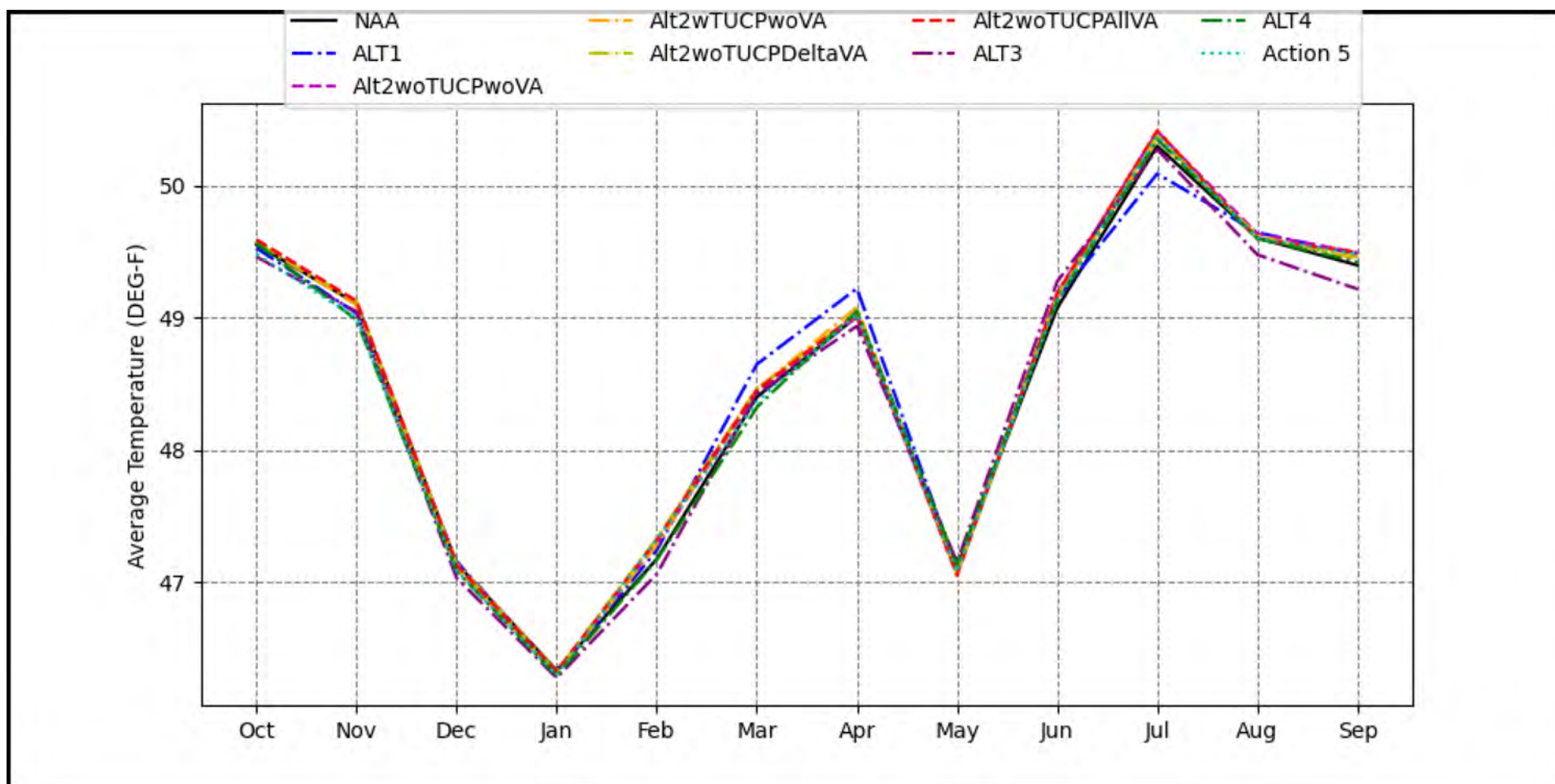
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-11 Trinity River below Lewiston Dam, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-12 Trinity River below Lewiston Dam, September Temperature

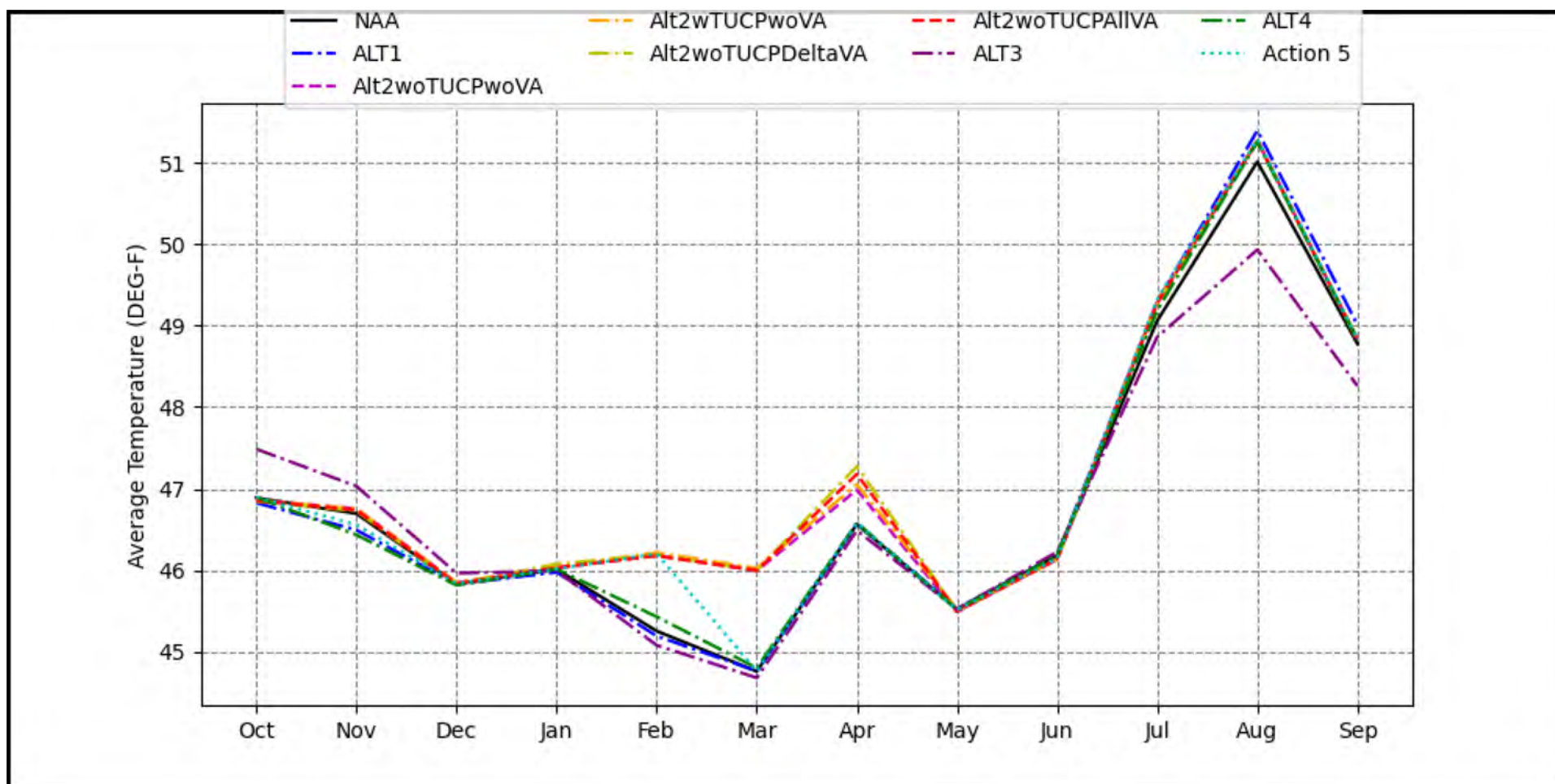


*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-13 Trinity River below Lewiston Dam, Long Term Average Temperature (DEG-F)

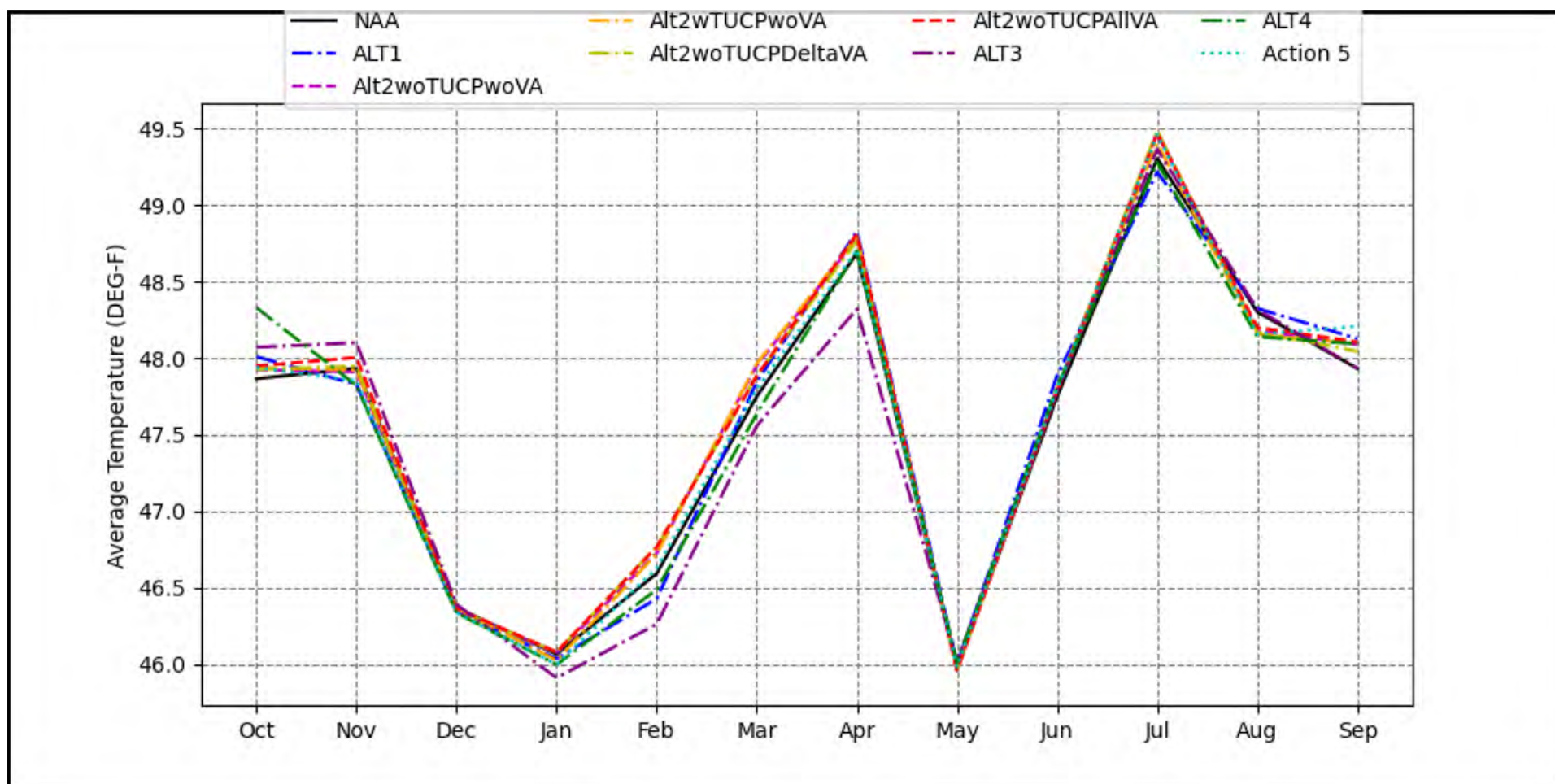


*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-14 Trinity River below Lewiston Dam, Extremely Wet Year Average Temperature (DEG-F)

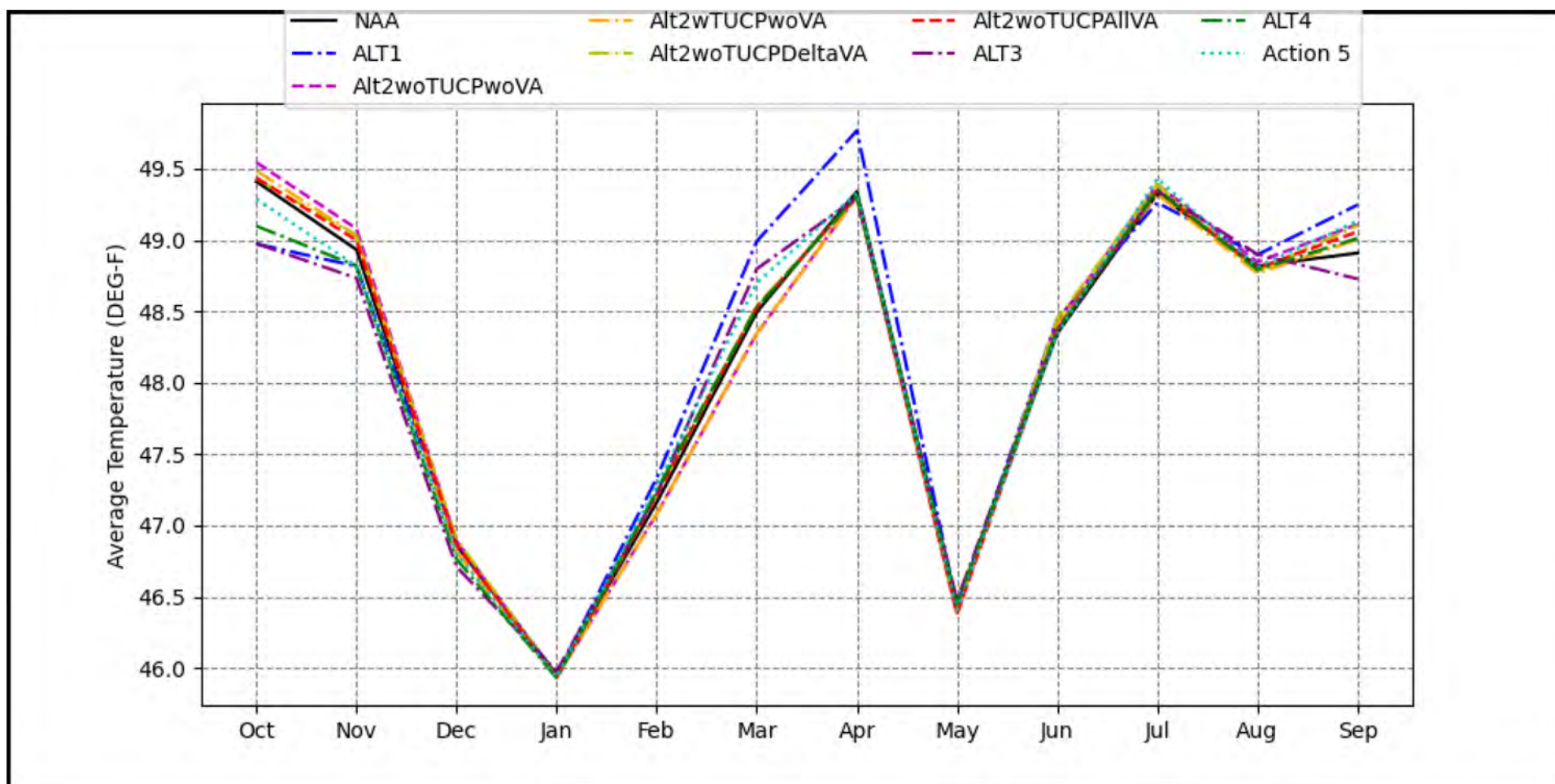


*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-15 Trinity River below Lewiston Dam, Wet Year Average Temperature (DEG-F)

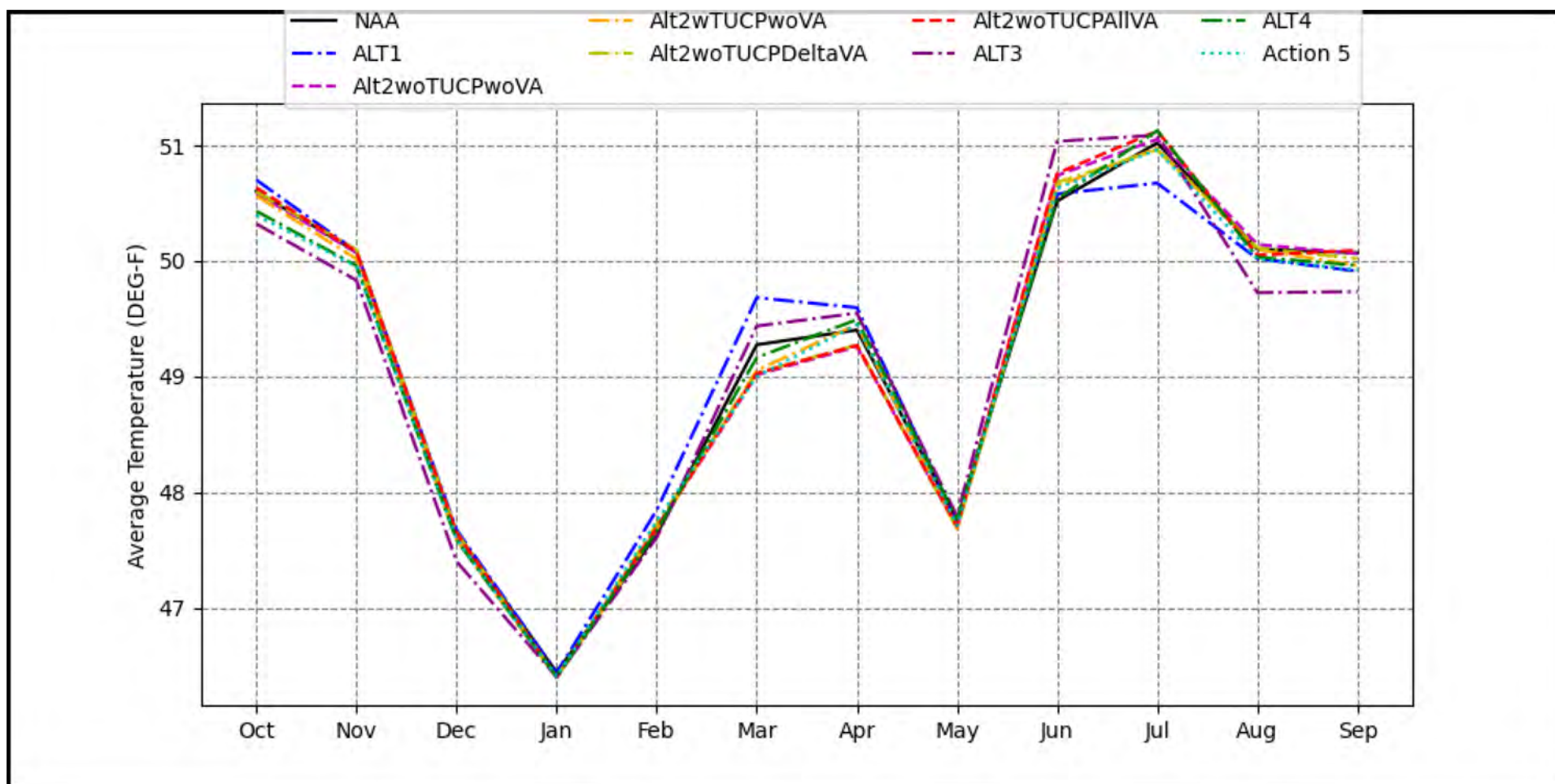


*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-16 Trinity River below Lewiston Dam, Normal Year Average Temperature (DEG-F)

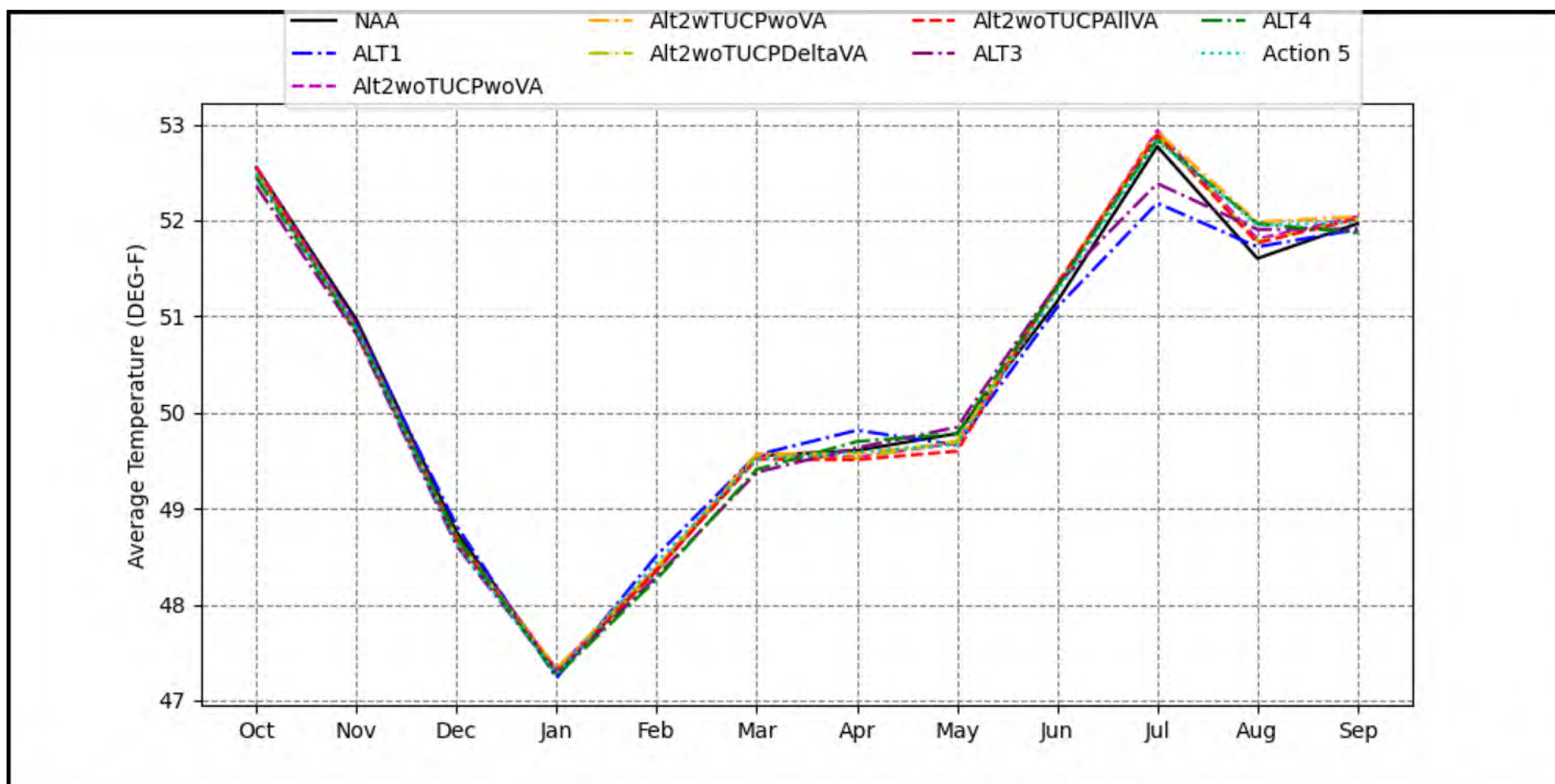


*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-17 Trinity River below Lewiston Dam, Dry Year Average Temperature (DEG-F)



*As defined by the Trinity Water Year Hydrologic Classification.

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-3-18 Trinity River below Lewiston Dam, Critically Dry Year Average Temperature (DEG-F)

F.2.11-4 Clear Creek below Whiskeytown

Table F.2.11-4-1 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-1 b. Clear Creek below Whiskeytown, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.6	51.2	48.1	46.3	46.7	47.5	48.9	50.4	51.6	52.3	52.9	53.3
20% Exceedance	51.9	50.6	47.7	45.9	46.2	47.2	48.6	50.2	51.2	52.0	52.4	52.3
30% Exceedance	51.3	50.2	47.2	45.8	45.9	47.0	48.3	49.7	51.0	51.9	52.1	51.7
40% Exceedance	50.8	49.9	47.1	45.4	45.7	46.8	48.1	49.5	50.7	51.5	51.8	51.3
50% Exceedance	50.3	49.4	46.9	45.2	45.4	46.6	47.9	49.2	50.5	51.3	51.5	51.0
60% Exceedance	50.1	49.2	46.7	44.9	45.3	46.4	47.7	48.9	50.2	51.1	51.3	50.7
70% Exceedance	49.7	48.8	46.4	44.8	45.0	46.0	47.5	48.6	49.9	50.7	50.9	50.5
80% Exceedance	49.4	48.2	46.1	44.5	44.7	45.8	47.0	48.4	49.5	50.4	50.5	50.1
90% Exceedance	49.0	47.4	45.8	43.9	44.3	45.5	46.8	48.0	48.9	49.9	50.0	49.7
Full Simulation Period Average^a	51.0	49.7	46.9	45.3	45.5	46.6	47.9	49.2	50.4	51.3	51.8	52.0
Wet Years (28%)	49.3	48.3	46.4	45.2	45.4	46.2	47.4	48.8	49.8	50.7	50.9	50.4
Above Normal Years (14%)	49.7	48.4	46.3	45.4	45.5	46.4	47.7	49.1	50.3	51.0	50.8	50.3
Below Normal Years (18%)	50.6	49.7	47.0	44.8	45.1	46.4	47.8	49.1	50.4	51.2	51.4	52.5
Dry Years (24%)	51.2	50.2	47.3	45.2	45.6	46.7	48.2	49.5	50.7	51.5	51.8	51.5
Critical Years (16%)	55.5	53.0	47.4	46.0	46.2	47.4	48.8	50.0	51.2	52.2	54.6	56.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-1 c. Clear Creek below Whiskeytown, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	-0.3	-0.5	-0.2	-0.1	-0.1	-0.0	0.6	0.5	0.5	0.6	0.4
20% Exceedance	0.2	-0.5	-0.4	-0.3	-0.0	-0.2	0.1	0.7	1.1	0.7	0.9	0.7
30% Exceedance	0.3	-0.5	-0.3	0.0	-0.0	-0.0	0.1	0.5	1.2	0.8	0.8	0.7
40% Exceedance	0.5	-0.4	-0.2	-0.1	0.0	0.1	0.2	0.6	1.3	0.7	1.0	0.7
50% Exceedance	0.5	-0.2	-0.1	0.0	0.1	0.3	0.3	0.6	1.3	0.7	1.0	1.0
60% Exceedance	0.6	-0.1	-0.2	-0.0	0.1	0.2	0.3	0.6	1.2	0.7	1.2	1.0
70% Exceedance	0.6	-0.1	-0.2	-0.0	0.3	0.1	0.3	0.6	1.1	0.8	1.1	1.0
80% Exceedance	0.7	-0.0	-0.2	-0.1	0.2	0.2	0.4	0.6	1.1	1.0	1.2	0.9
90% Exceedance	0.8	-0.1	-0.1	-0.3	0.1	0.3	0.3	0.8	1.1	0.9	1.0	0.9
Full Simulation Period Average^a	0.9	-0.1	-0.3	-0.1	0.0	0.1	0.2	0.6	0.9	0.7	0.9	1.0
Wet Years (28%)	0.7	0.0	-0.1	0.1	0.4	0.4	0.5	0.7	0.6	0.6	0.7	0.7
Above Normal Years (14%)	0.6	-0.1	-0.2	0.0	0.3	0.4	0.5	0.5	0.9	0.4	1.1	1.0
Below Normal Years (18%)	0.4	-0.5	-0.5	-0.1	-0.0	-0.1	0.1	0.5	1.0	0.7	1.0	0.8
Dry Years (24%)	0.3	-0.4	-0.4	-0.4	-0.2	-0.1	0.1	0.7	1.3	0.9	1.0	0.6
Critical Years (16%)	3.0	0.4	-0.3	-0.4	-0.3	-0.2	-0.1	0.4	0.9	0.7	0.8	2.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-2 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-2 b. Clear Creek below Whiskeytown, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.5	48.7	46.6	46.7	47.7	49.0	49.5	51.5	51.9	52.4	53.0
20% Exceedance	51.6	51.1	48.1	46.3	46.3	47.4	48.6	49.1	50.5	51.6	51.7	51.8
30% Exceedance	51.1	50.8	47.7	46.0	46.0	47.1	48.4	49.0	50.1	51.2	51.5	51.3
40% Exceedance	50.5	50.4	47.4	45.6	45.7	46.6	48.1	48.6	49.9	51.1	51.2	50.7
50% Exceedance	50.0	49.9	47.1	45.2	45.4	46.3	47.8	48.4	49.7	50.9	50.8	50.3
60% Exceedance	49.5	49.3	46.8	45.0	45.2	46.1	47.4	48.1	49.5	50.6	50.4	49.9
70% Exceedance	49.2	48.9	46.6	44.8	44.7	45.8	47.1	47.9	49.2	50.2	50.0	49.6
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.3	46.7	47.4	48.7	49.7	49.4	49.3
90% Exceedance	48.4	47.8	45.8	44.3	44.1	45.0	46.4	46.8	48.0	49.2	49.0	48.7
Full Simulation Period Average^a	50.4	49.8	47.2	45.5	45.5	46.4	47.7	48.4	49.9	50.8	51.1	51.6
Wet Years (28%)	48.7	48.3	46.6	45.1	44.9	45.7	46.9	47.9	49.9	50.5	50.5	49.7
Above Normal Years (14%)	49.2	48.6	46.5	45.3	45.1	45.8	47.2	48.1	49.8	50.4	49.8	49.3
Below Normal Years (18%)	50.3	50.2	47.6	45.0	45.2	46.3	47.7	48.1	49.6	50.8	50.5	53.1
Dry Years (24%)	50.9	50.6	47.9	45.7	45.8	46.9	48.2	48.5	49.8	50.9	51.0	51.0
Critical Years (16%)	54.0	52.2	47.7	46.4	46.6	47.6	48.8	49.4	50.5	51.2	53.8	55.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-2 c. Clear Creek below Whiskeytown, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	-0.1	0.1	0.1	-0.0	0.0	0.0	-0.3	0.4	0.1	0.0	0.1
20% Exceedance	-0.1	-0.0	0.0	0.1	0.1	0.0	0.0	-0.4	0.3	0.2	0.3	0.2
30% Exceedance	0.1	0.1	0.1	0.2	0.1	0.0	0.1	-0.1	0.3	0.2	0.2	0.2
40% Exceedance	0.2	0.1	0.1	0.1	0.1	-0.2	0.2	-0.2	0.4	0.3	0.3	0.0
50% Exceedance	0.2	0.2	0.0	0.0	0.0	-0.1	0.1	-0.3	0.5	0.3	0.3	0.2
60% Exceedance	0.1	-0.0	-0.0	0.0	-0.0	-0.1	0.0	-0.3	0.5	0.3	0.4	0.2
70% Exceedance	0.2	0.0	-0.0	-0.0	-0.0	-0.2	-0.0	-0.2	0.4	0.2	0.2	0.1
80% Exceedance	-0.0	-0.0	0.0	-0.1	-0.0	-0.3	0.0	-0.4	0.3	0.3	0.1	0.0
90% Exceedance	0.2	0.3	-0.0	0.1	-0.1	-0.2	0.0	-0.5	0.3	0.2	0.0	-0.0
Full Simulation Period Average^a	0.3	-0.0	0.1	0.1	0.0	-0.1	0.0	-0.3	0.4	0.2	0.2	0.6
Wet Years (28%)	0.1	0.0	0.1	-0.0	-0.0	-0.2	0.0	-0.2	0.7	0.4	0.3	0.0
Above Normal Years (14%)	0.1	0.1	-0.0	0.0	-0.0	-0.2	0.0	-0.5	0.4	-0.3	0.1	0.1
Below Normal Years (18%)	0.1	0.1	0.1	0.1	0.0	-0.2	0.1	-0.5	0.2	0.3	0.1	1.5
Dry Years (24%)	0.0	0.0	0.1	0.1	0.0	-0.0	0.1	-0.2	0.4	0.3	0.3	0.1
Critical Years (16%)	1.4	-0.4	-0.0	0.1	0.1	0.0	-0.1	-0.2	0.2	-0.2	0.0	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-3 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-3 b. Clear Creek below Whiskeytown, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.6	48.7	46.6	46.7	47.7	49.0	49.5	51.7	51.9	52.3	53.0
20% Exceedance	51.6	51.3	47.9	46.3	46.3	47.4	48.5	49.1	50.6	51.6	51.8	51.8
30% Exceedance	51.1	50.8	47.6	46.0	46.0	47.1	48.4	49.0	50.1	51.3	51.5	51.3
40% Exceedance	50.4	50.3	47.4	45.6	45.7	46.6	48.1	48.6	49.9	51.1	51.2	50.7
50% Exceedance	49.9	49.7	47.1	45.2	45.3	46.3	47.7	48.4	49.7	50.9	50.6	50.1
60% Exceedance	49.5	49.2	46.8	45.0	45.2	46.0	47.4	48.1	49.5	50.7	50.4	49.9
70% Exceedance	49.2	48.9	46.6	44.8	44.7	45.8	47.1	47.9	49.2	50.2	50.1	49.6
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.3	46.7	47.6	48.8	49.7	49.3	49.2
90% Exceedance	48.4	47.8	45.8	44.3	44.1	45.0	46.4	46.8	48.1	49.2	49.0	48.7
Full Simulation Period Average^a	50.4	49.8	47.2	45.5	45.5	46.4	47.7	48.4	50.0	51.1	51.1	51.3
Wet Years (28%)	48.7	48.3	46.6	45.1	45.0	45.7	46.9	47.9	49.9	50.5	50.5	49.8
Above Normal Years (14%)	49.2	48.6	46.5	45.4	45.1	45.8	47.2	48.1	49.8	50.4	49.8	49.3
Below Normal Years (18%)	50.2	50.0	47.3	45.0	45.2	46.3	47.7	48.1	49.6	50.7	50.5	51.7
Dry Years (24%)	50.9	50.6	47.9	45.7	45.8	46.9	48.2	48.5	49.8	50.9	51.0	50.9
Critical Years (16%)	54.0	52.2	47.7	46.5	46.6	47.6	48.9	49.6	50.8	53.6	54.2	55.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-3 c. Clear Creek below Whiskeytown, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.0	0.1	0.1	-0.0	0.0	0.0	-0.3	0.6	0.1	-0.0	0.1
20% Exceedance	-0.0	0.1	-0.1	0.1	0.1	0.1	-0.0	-0.4	0.4	0.3	0.3	0.2
30% Exceedance	0.1	0.1	0.0	0.2	0.1	0.1	0.2	-0.1	0.3	0.3	0.2	0.2
40% Exceedance	-0.0	0.1	0.1	0.1	0.1	-0.2	0.2	-0.2	0.5	0.3	0.3	0.1
50% Exceedance	0.1	0.1	0.0	0.0	-0.0	-0.1	0.1	-0.2	0.6	0.3	0.2	0.1
60% Exceedance	0.1	-0.1	-0.0	0.0	0.0	-0.2	0.0	-0.2	0.5	0.4	0.4	0.1
70% Exceedance	0.2	-0.0	-0.0	-0.0	-0.0	-0.1	-0.0	-0.2	0.5	0.3	0.2	0.1
80% Exceedance	-0.0	-0.0	0.1	-0.1	-0.0	-0.3	0.0	-0.2	0.4	0.3	0.0	0.0
90% Exceedance	0.2	0.3	-0.0	0.0	-0.1	-0.2	0.0	-0.5	0.3	0.3	0.0	-0.0
Full Simulation Period Average^a	0.3	-0.1	0.0	0.1	0.0	-0.1	0.0	-0.2	0.5	0.5	0.3	0.3
Wet Years (28%)	0.1	0.0	0.1	-0.0	-0.0	-0.2	0.0	-0.2	0.7	0.4	0.4	0.1
Above Normal Years (14%)	0.1	0.1	-0.1	0.0	-0.0	-0.2	0.0	-0.5	0.4	-0.3	0.0	0.1
Below Normal Years (18%)	0.0	-0.1	-0.2	0.1	0.0	-0.1	0.1	-0.5	0.2	0.2	0.1	0.0
Dry Years (24%)	0.0	0.0	0.2	0.1	0.0	-0.0	0.1	-0.2	0.5	0.3	0.3	0.0
Critical Years (16%)	1.4	-0.4	0.0	0.1	0.1	0.0	-0.0	-0.0	0.6	2.1	0.4	1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-4 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-4 b. Clear Creek below Whiskeytown, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.7	48.7	46.7	46.8	47.7	49.1	49.7	51.7	52.1	52.5	52.9
20% Exceedance	51.6	51.2	48.1	46.3	46.3	47.4	48.6	49.2	50.6	51.6	51.7	51.8
30% Exceedance	51.1	50.7	47.7	46.0	46.0	47.1	48.4	49.0	50.1	51.4	51.5	51.2
40% Exceedance	50.5	50.4	47.4	45.6	45.7	46.6	48.1	48.6	49.9	51.1	51.1	50.7
50% Exceedance	49.9	49.7	47.1	45.3	45.4	46.3	47.8	48.2	49.7	50.9	50.8	50.2
60% Exceedance	49.5	49.4	46.9	45.0	45.2	46.1	47.4	48.0	49.5	50.6	50.4	49.8
70% Exceedance	49.2	48.9	46.6	44.8	44.8	45.8	47.1	47.8	49.2	50.1	50.0	49.7
80% Exceedance	48.8	48.2	46.3	44.6	44.5	45.4	46.7	47.3	48.7	49.6	49.4	49.3
90% Exceedance	48.4	47.8	45.8	44.3	44.2	45.0	46.5	46.8	48.2	49.2	49.0	48.8
Full Simulation Period Average^a	50.4	49.8	47.2	45.5	45.5	46.4	47.7	48.3	49.9	50.9	51.5	51.4
Wet Years (28%)	48.7	48.3	46.6	45.1	45.0	45.7	46.9	47.8	50.0	50.7	50.7	49.8
Above Normal Years (14%)	49.2	48.6	46.5	45.4	45.1	45.9	47.2	48.0	49.6	50.4	49.7	49.3
Below Normal Years (18%)	50.3	50.2	47.6	45.0	45.2	46.3	47.8	48.0	49.6	51.0	51.0	51.8
Dry Years (24%)	50.9	50.6	47.8	45.7	45.9	46.9	48.3	48.6	50.0	51.0	51.0	51.0
Critical Years (16%)	53.9	52.2	47.7	46.4	46.6	47.6	48.8	49.5	50.5	51.3	55.6	55.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-4 c. Clear Creek below Whiskeytown, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.2	0.2	0.2	0.0	0.0	0.1	-0.2	0.6	0.3	0.1	0.0
20% Exceedance	-0.1	0.0	0.1	0.1	0.1	0.0	0.1	-0.3	0.4	0.3	0.3	0.2
30% Exceedance	0.2	0.0	0.1	0.2	0.1	0.1	0.1	-0.1	0.4	0.3	0.2	0.1
40% Exceedance	0.1	0.2	0.2	0.1	0.1	-0.1	0.2	-0.3	0.5	0.3	0.3	0.1
50% Exceedance	0.1	0.1	0.1	0.1	0.1	-0.1	0.1	-0.4	0.6	0.3	0.3	0.2
60% Exceedance	0.1	0.1	-0.0	0.1	-0.0	-0.1	0.0	-0.3	0.5	0.3	0.4	0.1
70% Exceedance	0.1	0.0	0.1	-0.0	0.0	-0.2	-0.0	-0.3	0.4	0.2	0.2	0.2
80% Exceedance	0.0	-0.0	0.0	-0.1	-0.0	-0.2	0.0	-0.5	0.3	0.2	0.1	0.0
90% Exceedance	0.2	0.3	-0.0	0.0	-0.1	-0.2	0.0	-0.4	0.4	0.2	0.0	0.1
Full Simulation Period Average^a	0.3	-0.0	0.1	0.1	0.0	-0.1	0.1	-0.3	0.5	0.3	0.6	0.4
Wet Years (28%)	0.1	0.0	0.1	-0.0	-0.0	-0.2	0.0	-0.3	0.8	0.6	0.5	0.1
Above Normal Years (14%)	0.1	0.1	-0.0	0.0	-0.0	-0.2	0.0	-0.6	0.3	-0.2	0.0	0.0
Below Normal Years (18%)	0.1	0.0	0.1	0.1	0.0	-0.1	0.1	-0.5	0.2	0.4	0.6	0.1
Dry Years (24%)	0.1	0.1	0.1	0.2	0.1	0.0	0.1	-0.1	0.6	0.4	0.3	0.1
Critical Years (16%)	1.4	-0.4	-0.0	0.1	0.1	-0.0	-0.1	-0.1	0.2	-0.1	1.9	1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-5 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-5 b. Clear Creek below Whiskeytown, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.4	51.6	48.7	46.6	46.7	47.7	49.0	49.6	51.7	52.0	52.4	52.9
20% Exceedance	51.5	51.1	48.0	46.3	46.3	47.3	48.5	49.2	50.5	51.6	51.7	51.8
30% Exceedance	51.0	50.6	47.7	46.0	46.0	47.0	48.4	48.9	50.0	51.3	51.4	51.2
40% Exceedance	50.5	50.3	47.4	45.6	45.7	46.6	48.0	48.5	49.8	51.1	51.2	50.8
50% Exceedance	49.8	49.6	47.1	45.3	45.4	46.3	47.7	48.3	49.6	50.8	50.8	50.4
60% Exceedance	49.5	49.3	46.8	45.0	45.2	46.0	47.4	48.0	49.5	50.6	50.4	49.9
70% Exceedance	49.2	48.9	46.7	44.7	44.8	45.8	47.1	47.8	49.2	50.2	50.0	49.6
80% Exceedance	48.8	48.2	46.3	44.6	44.5	45.3	46.7	47.3	48.8	49.7	49.4	49.2
90% Exceedance	48.4	47.8	45.8	44.3	44.2	45.0	46.5	46.8	48.1	49.2	49.0	48.8
Full Simulation Period Average^a	50.4	49.8	47.2	45.5	45.5	46.4	47.7	48.4	49.9	50.8	51.4	51.3
Wet Years (28%)	48.7	48.3	46.6	45.1	45.0	45.7	46.9	47.9	50.0	50.5	50.5	49.7
Above Normal Years (14%)	49.2	48.7	46.5	45.3	45.1	45.8	47.2	47.9	49.6	50.4	49.8	49.4
Below Normal Years (18%)	50.3	50.1	47.5	45.0	45.2	46.3	47.8	47.9	49.5	50.7	50.5	51.7
Dry Years (24%)	50.9	50.5	47.8	45.7	45.8	46.8	48.2	48.6	49.8	51.0	51.1	51.0
Critical Years (16%)	53.9	52.2	47.7	46.4	46.6	47.7	48.9	49.6	50.6	51.5	55.7	55.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-5 c. Clear Creek below Whiskeytown, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.1	0.1	0.1	-0.0	0.0	0.0	-0.2	0.6	0.2	0.0	0.0
20% Exceedance	-0.2	-0.1	-0.1	0.1	0.0	-0.1	-0.0	-0.3	0.3	0.3	0.2	0.2
30% Exceedance	0.1	-0.1	0.1	0.2	0.1	0.0	0.1	-0.3	0.3	0.3	0.1	0.2
40% Exceedance	0.1	0.0	0.1	0.1	0.1	-0.2	0.1	-0.3	0.4	0.3	0.3	0.1
50% Exceedance	0.0	-0.1	0.1	0.1	0.0	-0.1	0.1	-0.3	0.5	0.2	0.4	0.3
60% Exceedance	0.1	-0.0	-0.0	0.0	-0.0	-0.2	0.0	-0.3	0.4	0.3	0.3	0.1
70% Exceedance	0.1	0.0	0.1	-0.1	0.0	-0.2	-0.0	-0.3	0.4	0.2	0.2	0.1
80% Exceedance	0.0	-0.0	0.1	-0.1	-0.0	-0.3	0.1	-0.4	0.4	0.3	0.1	-0.0
90% Exceedance	0.2	0.3	-0.0	0.0	-0.1	-0.2	0.1	-0.5	0.3	0.2	0.0	0.1
Full Simulation Period Average^a	0.3	-0.1	0.1	0.1	0.0	-0.1	0.1	-0.3	0.4	0.2	0.5	0.3
Wet Years (28%)	0.1	0.0	0.1	-0.0	-0.0	-0.2	0.0	-0.2	0.8	0.4	0.3	-0.0
Above Normal Years (14%)	0.1	0.1	0.0	0.0	-0.0	-0.2	0.0	-0.6	0.2	-0.2	0.0	0.1
Below Normal Years (18%)	0.2	-0.1	0.1	0.1	0.0	-0.1	0.1	-0.7	0.1	0.2	0.2	0.1
Dry Years (24%)	-0.0	0.0	0.1	0.1	0.0	-0.0	0.1	-0.1	0.5	0.4	0.3	0.1
Critical Years (16%)	1.4	-0.4	-0.0	0.1	0.1	0.1	0.0	-0.0	0.4	-0.0	1.9	1.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-6 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-6 b. Clear Creek below Whiskeytown, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.2	51.6	48.7	47.0	47.0	47.7	48.9	49.8	53.4	52.5	52.6	52.4
20% Exceedance	51.4	50.9	48.1	46.3	46.3	47.5	48.4	49.3	51.3	51.8	52.0	51.5
30% Exceedance	50.8	50.5	47.7	45.9	46.0	47.0	48.2	49.1	50.5	51.4	51.6	51.0
40% Exceedance	50.3	50.0	47.4	45.6	45.8	46.7	48.0	48.9	50.2	51.2	51.1	50.6
50% Exceedance	49.8	49.4	47.1	45.3	45.4	46.4	47.6	48.5	50.0	50.9	50.9	50.1
60% Exceedance	49.5	49.1	46.8	45.0	45.1	46.1	47.2	48.2	49.7	50.7	50.5	49.8
70% Exceedance	49.0	48.9	46.6	44.7	44.8	45.8	46.8	47.9	49.2	50.3	50.1	49.6
80% Exceedance	48.8	48.5	46.3	44.6	44.6	45.5	46.5	47.6	48.8	49.9	49.8	49.3
90% Exceedance	48.5	48.0	46.0	44.3	44.1	45.0	46.3	47.0	48.3	49.3	49.4	48.8
Full Simulation Period Average^a	50.3	49.8	47.2	45.5	45.5	46.4	47.6	48.6	50.3	51.3	51.2	50.7
Wet Years (28%)	48.9	48.6	46.7	45.1	45.0	45.7	46.7	48.0	50.4	50.5	50.5	49.5
Above Normal Years (14%)	49.2	48.6	46.6	45.3	45.1	45.9	47.1	48.2	50.2	50.3	50.0	49.4
Below Normal Years (18%)	49.8	49.5	47.1	45.1	45.3	46.3	47.6	48.5	49.9	51.0	50.6	50.0
Dry Years (24%)	50.8	50.5	47.7	45.7	45.9	46.9	48.1	48.8	50.1	51.1	51.1	50.9
Critical Years (16%)	53.8	52.2	47.7	46.4	46.6	47.6	48.9	49.6	51.0	53.8	54.4	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-6 c. Clear Creek below Whiskeytown, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.0	0.1	0.5	0.2	0.1	-0.0	-0.0	2.3	0.7	0.3	-0.5
20% Exceedance	-0.3	-0.3	0.0	0.2	0.1	0.1	-0.1	-0.2	1.1	0.5	0.6	-0.1
30% Exceedance	-0.1	-0.2	0.1	0.1	0.1	0.0	0.0	-0.0	0.8	0.4	0.3	-0.1
40% Exceedance	-0.0	-0.2	0.1	0.2	0.1	-0.0	0.1	0.1	0.8	0.4	0.3	-0.1
50% Exceedance	-0.0	-0.3	0.1	0.1	0.1	0.0	-0.1	-0.1	0.8	0.3	0.4	0.0
60% Exceedance	0.1	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-0.2	0.6	0.3	0.4	0.1
70% Exceedance	-0.1	0.0	-0.0	-0.1	0.0	-0.2	-0.3	-0.2	0.4	0.4	0.2	0.1
80% Exceedance	0.1	0.3	0.0	-0.1	0.0	-0.1	-0.2	-0.2	0.4	0.5	0.5	0.1
90% Exceedance	0.2	0.5	0.2	0.0	-0.1	-0.2	-0.2	-0.2	0.6	0.3	0.4	0.0
Full Simulation Period Average^a	0.2	-0.1	0.0	0.1	0.1	-0.1	-0.1	-0.1	0.8	0.7	0.4	-0.3
Wet Years (28%)	0.2	0.3	0.2	-0.0	0.0	-0.1	-0.1	-0.1	1.2	0.4	0.4	-0.2
Above Normal Years (14%)	0.1	0.1	0.1	0.0	-0.0	-0.2	-0.1	-0.3	0.8	-0.3	0.3	0.2
Below Normal Years (18%)	-0.4	-0.7	-0.3	0.2	0.1	-0.1	-0.1	-0.1	0.5	0.5	0.3	-1.6
Dry Years (24%)	-0.1	-0.1	-0.0	0.2	0.1	0.0	-0.0	0.1	0.7	0.5	0.3	-0.0
Critical Years (16%)	1.3	-0.4	0.0	0.1	0.1	0.0	0.0	0.1	0.8	2.3	0.6	-0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-7 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-7 b. Clear Creek below Whiskeytown, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.5	48.7	46.7	46.7	47.7	49.0	50.0	52.5	52.2	52.6	53.0
20% Exceedance	51.5	51.0	48.0	46.3	46.3	47.2	48.6	49.3	50.7	51.6	51.8	51.9
30% Exceedance	51.0	50.6	47.7	45.9	46.0	47.0	48.4	49.1	50.2	51.4	51.5	51.2
40% Exceedance	50.4	50.2	47.4	45.6	45.7	46.6	48.0	48.6	49.9	51.1	51.1	50.7
50% Exceedance	49.8	49.6	47.1	45.3	45.3	46.3	47.8	48.4	49.7	50.9	50.8	50.1
60% Exceedance	49.6	49.3	46.8	45.0	45.2	46.0	47.5	48.1	49.5	50.7	50.4	49.8
70% Exceedance	49.3	48.7	46.5	44.7	44.7	45.8	47.1	47.8	49.2	50.3	50.1	49.6
80% Exceedance	48.8	48.2	46.3	44.6	44.5	45.4	46.7	47.5	48.8	49.8	49.5	49.2
90% Exceedance	48.3	47.5	45.8	44.3	44.2	45.0	46.5	46.9	48.1	49.3	49.1	48.7
Full Simulation Period Average^a	50.4	49.7	47.2	45.5	45.5	46.4	47.7	48.5	50.2	51.2	51.5	51.4
Wet Years (28%)	48.9	48.3	46.6	45.1	45.0	45.7	46.9	48.0	50.4	50.5	50.5	49.9
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	45.8	47.2	48.0	49.6	50.4	49.9	49.3
Below Normal Years (18%)	50.1	49.9	47.4	45.0	45.2	46.3	47.8	48.3	49.8	50.8	50.5	51.7
Dry Years (24%)	50.8	50.5	47.8	45.7	45.8	46.8	48.2	48.7	49.9	51.0	51.1	50.9
Critical Years (16%)	53.9	52.2	47.7	46.4	46.6	47.6	48.9	49.6	50.9	53.6	56.1	55.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-7 c. Clear Creek below Whiskeytown, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.0	0.1	0.2	-0.0	0.0	0.0	0.1	1.4	0.4	0.2	0.1
20% Exceedance	-0.2	-0.1	-0.0	0.1	0.1	-0.1	0.0	-0.2	0.5	0.2	0.3	0.3
30% Exceedance	0.1	-0.1	0.1	0.1	0.0	-0.0	0.2	-0.1	0.4	0.4	0.2	0.1
40% Exceedance	0.0	-0.1	0.1	0.1	0.0	-0.2	0.1	-0.2	0.4	0.3	0.2	0.0
50% Exceedance	0.0	-0.1	0.1	0.2	-0.0	-0.1	0.1	-0.3	0.6	0.3	0.3	0.1
60% Exceedance	0.1	-0.0	-0.1	0.0	-0.0	-0.2	0.0	-0.2	0.5	0.4	0.4	0.1
70% Exceedance	0.2	-0.2	-0.1	-0.1	-0.0	-0.2	-0.0	-0.3	0.4	0.4	0.3	0.1
80% Exceedance	0.0	0.0	0.0	-0.1	-0.0	-0.2	0.1	-0.3	0.4	0.4	0.2	0.0
90% Exceedance	0.1	0.0	-0.0	0.0	-0.1	-0.2	0.1	-0.4	0.4	0.3	0.1	0.0
Full Simulation Period Average^a	0.2	-0.1	0.0	0.1	0.0	-0.1	0.0	-0.1	0.7	0.6	0.6	0.4
Wet Years (28%)	0.2	0.1	0.0	-0.0	-0.0	-0.2	0.0	-0.0	1.2	0.5	0.4	0.2
Above Normal Years (14%)	0.1	-0.1	-0.1	-0.0	-0.0	-0.2	0.0	-0.6	0.2	-0.2	0.1	0.0
Below Normal Years (18%)	-0.1	-0.3	-0.0	0.1	0.0	-0.1	0.1	-0.3	0.4	0.3	0.1	0.0
Dry Years (24%)	-0.1	-0.0	0.1	0.2	0.0	-0.1	0.0	-0.0	0.5	0.4	0.3	0.0
Critical Years (16%)	1.3	-0.5	-0.0	0.1	0.1	-0.0	0.0	-0.0	0.6	2.1	2.3	1.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-8 a. Clear Creek below Whiskeytown, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.1	51.6	48.6	46.5	46.8	47.7	49.0	49.8	51.1	51.8	52.4	52.9
20% Exceedance	51.7	51.1	48.0	46.2	46.3	47.3	48.5	49.5	50.2	51.3	51.5	51.6
30% Exceedance	50.9	50.7	47.6	45.7	45.9	47.0	48.2	49.2	49.8	51.0	51.3	51.1
40% Exceedance	50.4	50.2	47.3	45.5	45.7	46.7	47.9	48.8	49.4	50.8	50.8	50.7
50% Exceedance	49.8	49.7	47.1	45.2	45.3	46.4	47.6	48.6	49.2	50.6	50.5	50.1
60% Exceedance	49.4	49.3	46.9	45.0	45.2	46.2	47.4	48.3	49.0	50.3	50.1	49.7
70% Exceedance	49.1	48.9	46.6	44.8	44.7	46.0	47.1	48.1	48.8	49.9	49.8	49.5
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.6	46.7	47.8	48.4	49.4	49.3	49.2
90% Exceedance	48.2	47.5	45.8	44.3	44.3	45.2	46.4	47.2	47.7	49.0	49.0	48.7
Full Simulation Period Average^a	50.1	49.9	47.2	45.4	45.5	46.5	47.7	48.6	49.5	50.6	50.9	51.0
Wet Years (28%)	48.6	48.2	46.5	45.1	45.0	45.8	46.9	48.1	49.2	50.1	50.2	49.7
Above Normal Years (14%)	49.1	48.5	46.5	45.3	45.1	46.0	47.2	48.5	49.4	50.6	49.7	49.3
Below Normal Years (18%)	50.2	50.2	47.5	44.9	45.1	46.4	47.7	48.6	49.4	50.5	50.4	51.6
Dry Years (24%)	50.9	50.5	47.7	45.6	45.8	46.9	48.1	48.7	49.4	50.6	50.8	50.9
Critical Years (16%)	52.5	52.6	47.7	46.3	46.5	47.6	48.9	49.6	50.3	51.5	53.8	54.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-8 b. Clear Creek below Whiskeytown, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	52.3	51.6	48.6	46.6	46.7	47.7	49.0	50.4	52.4	52.1	52.4	52.6
20% Exceedance	51.4	51.1	48.1	46.3	46.3	47.4	48.6	49.3	50.7	51.7	51.9	51.7
30% Exceedance	51.0	50.6	47.6	45.9	46.0	47.0	48.4	49.0	50.3	51.4	51.5	51.2
40% Exceedance	50.5	50.0	47.3	45.6	45.7	46.6	48.1	48.7	50.0	51.1	51.2	50.7
50% Exceedance	49.8	49.6	47.1	45.2	45.4	46.3	47.8	48.5	49.7	50.9	50.8	50.2
60% Exceedance	49.6	49.2	46.8	45.0	45.2	46.1	47.5	48.1	49.5	50.7	50.4	49.9
70% Exceedance	49.2	48.8	46.6	44.8	44.8	45.8	47.2	47.8	49.2	50.3	50.1	49.6
80% Exceedance	48.7	48.2	46.3	44.6	44.5	45.4	46.7	47.3	48.8	49.8	49.5	49.2
90% Exceedance	48.4	47.7	45.8	44.3	44.2	45.0	46.4	46.7	48.0	49.2	49.1	48.9
Full Simulation Period Average^a	50.4	49.7	47.2	45.5	45.5	46.4	47.8	48.5	50.0	51.2	51.5	51.1
Wet Years (28%)	48.8	48.3	46.6	45.1	45.0	45.7	46.9	47.9	49.8	50.5	50.6	49.8
Above Normal Years (14%)	49.2	48.6	46.5	45.3	45.1	45.8	47.2	47.9	49.6	50.4	49.8	49.3
Below Normal Years (18%)	50.2	49.9	47.6	45.0	45.2	46.3	47.7	48.4	49.9	51.1	50.5	50.2
Dry Years (24%)	50.8	50.4	47.8	45.7	45.8	46.8	48.2	48.6	49.8	51.0	51.0	50.9
Critical Years (16%)	54.0	52.2	47.7	46.4	46.6	47.7	49.0	49.8	51.0	53.7	56.2	56.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-4-8 c. Clear Creek below Whiskeytown, Action 5 Minus NAA, Monthly Temperature (DEG-F)

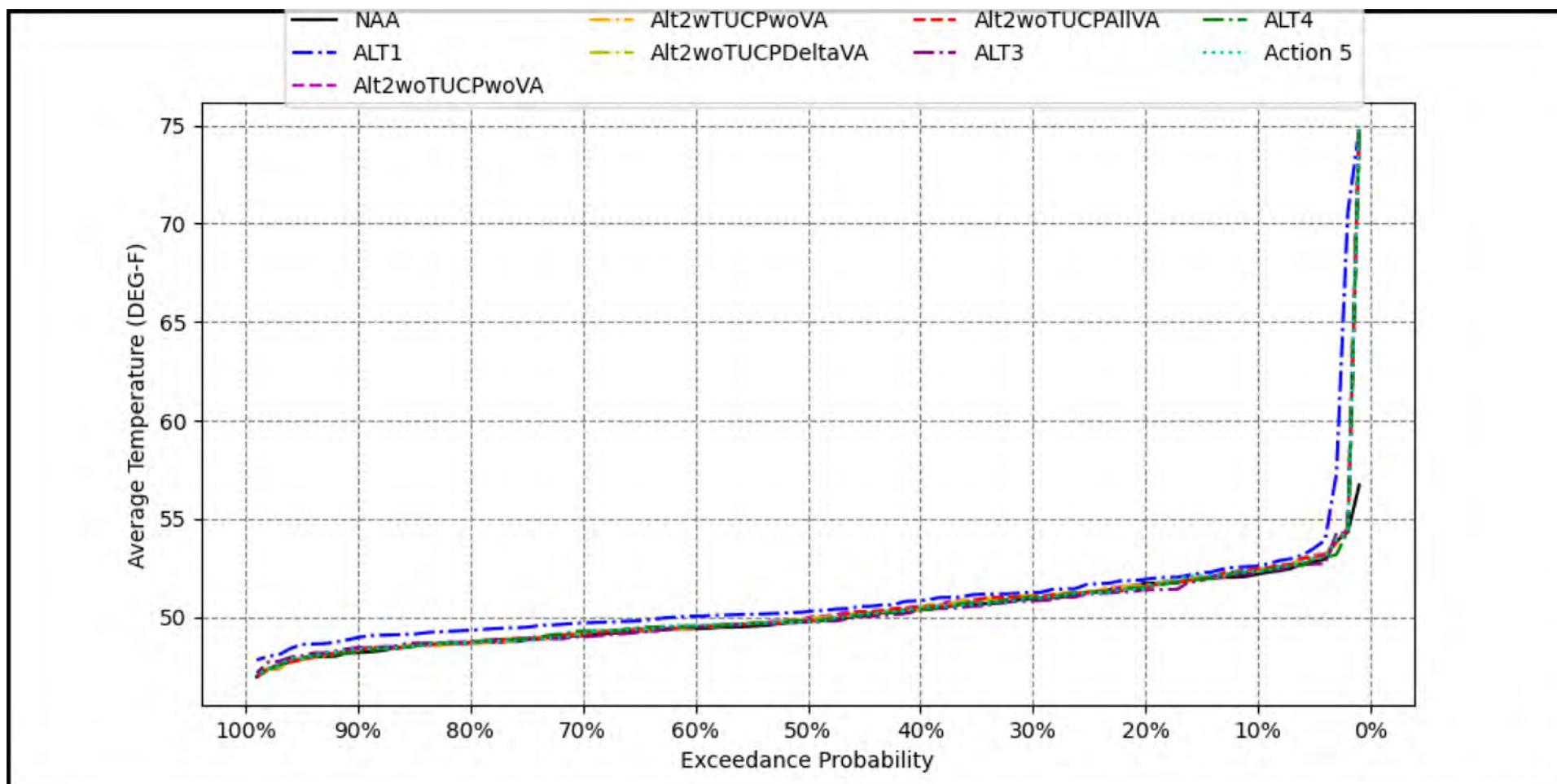
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.0	0.1	0.1	-0.0	0.0	0.1	0.6	1.3	0.2	0.1	-0.3
20% Exceedance	-0.2	-0.0	0.1	0.1	0.1	0.0	0.0	-0.2	0.5	0.3	0.4	0.1
30% Exceedance	0.1	-0.1	0.1	0.2	0.1	-0.0	0.1	-0.1	0.6	0.3	0.2	0.1
40% Exceedance	0.1	-0.2	0.1	0.2	0.1	-0.2	0.2	-0.1	0.5	0.3	0.3	0.1
50% Exceedance	-0.0	-0.0	0.0	0.1	0.0	-0.1	0.1	-0.1	0.5	0.3	0.3	0.1
60% Exceedance	0.2	-0.1	-0.1	0.1	-0.0	-0.1	0.1	-0.2	0.5	0.3	0.4	0.2
70% Exceedance	0.2	-0.1	0.0	-0.0	0.0	-0.1	0.0	-0.3	0.4	0.4	0.2	0.1
80% Exceedance	0.0	-0.0	0.1	-0.0	-0.0	-0.3	0.1	-0.5	0.5	0.4	0.2	-0.0
90% Exceedance	0.2	0.2	-0.0	0.0	-0.1	-0.2	0.0	-0.5	0.3	0.2	0.1	0.1
Full Simulation Period Average^a	0.3	-0.1	0.1	0.1	0.0	-0.1	0.1	-0.2	0.5	0.6	0.6	0.1
Wet Years (28%)	0.1	0.0	0.1	-0.0	0.0	-0.2	0.0	-0.1	0.6	0.4	0.4	0.1
Above Normal Years (14%)	0.1	0.0	-0.0	0.0	-0.0	-0.2	0.0	-0.7	0.2	-0.2	0.1	0.1
Below Normal Years (18%)	0.1	-0.2	0.2	0.1	0.0	-0.1	0.0	-0.1	0.5	0.5	0.2	-1.5
Dry Years (24%)	-0.1	-0.1	0.1	0.1	0.0	-0.0	0.1	-0.1	0.4	0.4	0.2	-0.0
Critical Years (16%)	1.4	-0.4	0.0	0.1	0.1	0.1	0.2	0.2	0.7	2.3	2.4	1.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

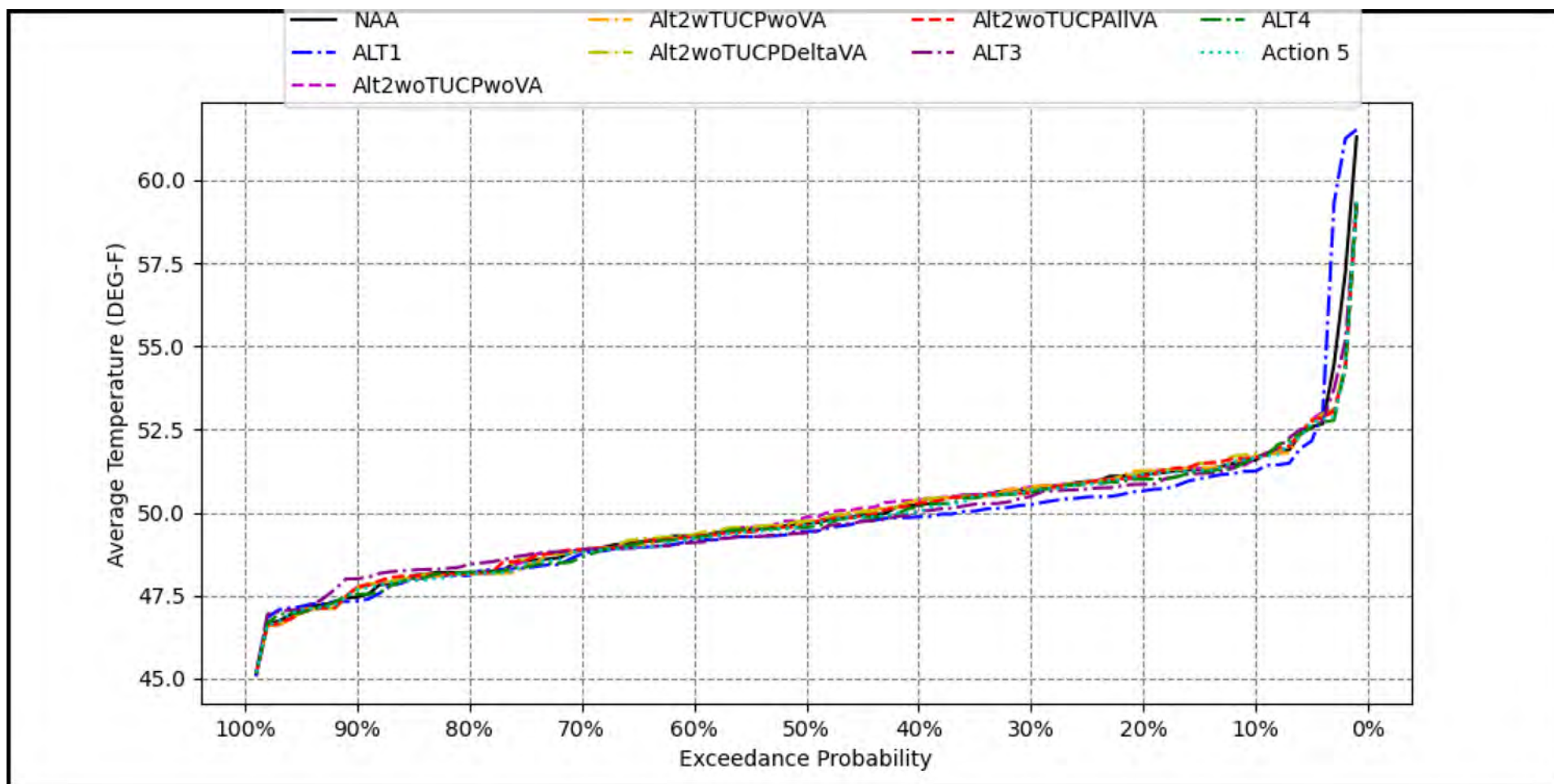
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



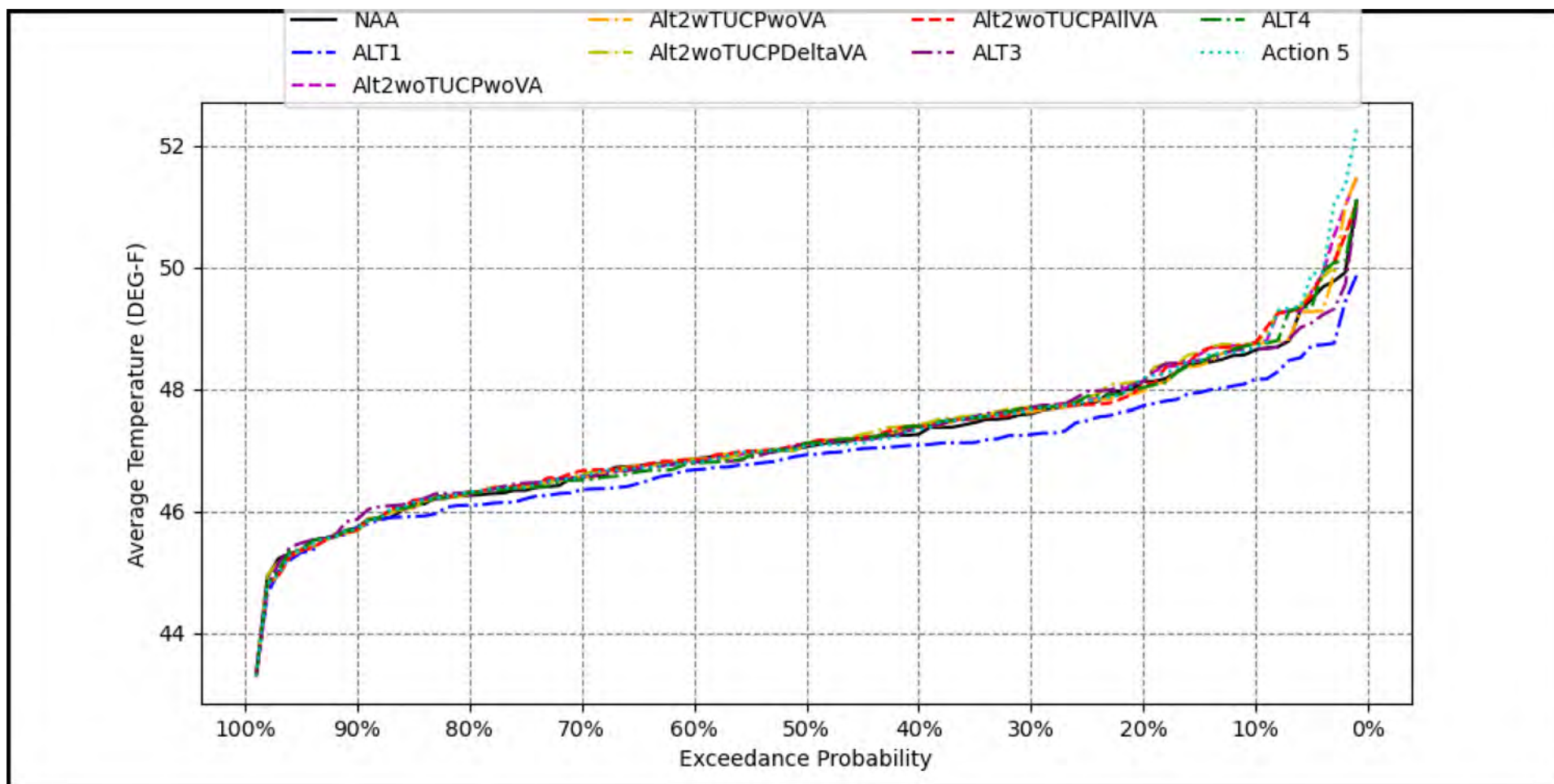
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-1 Clear Creek below Whiskeytown, October Temperature



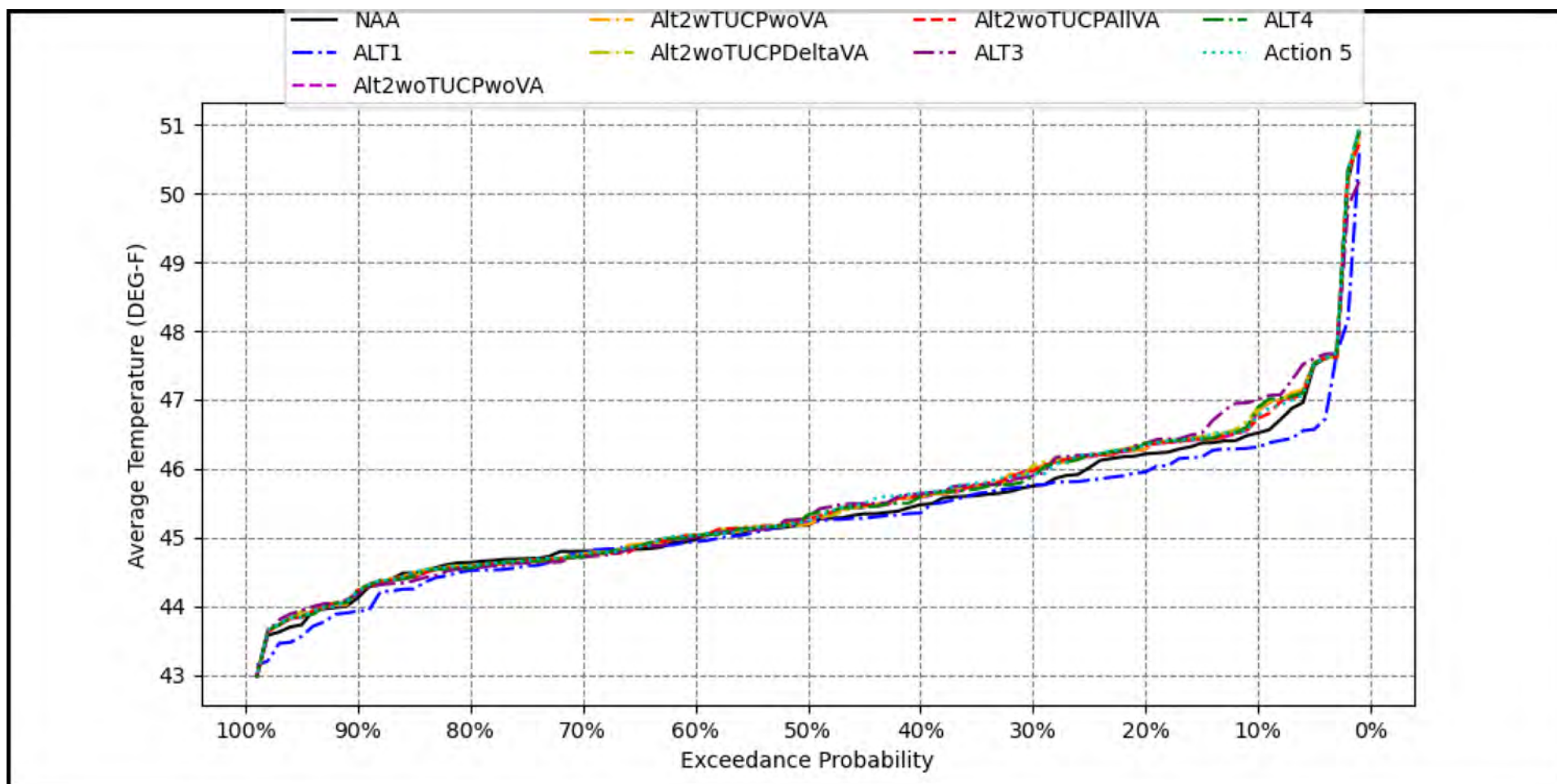
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-2 Clear Creek below Whiskeytown, November Temperature



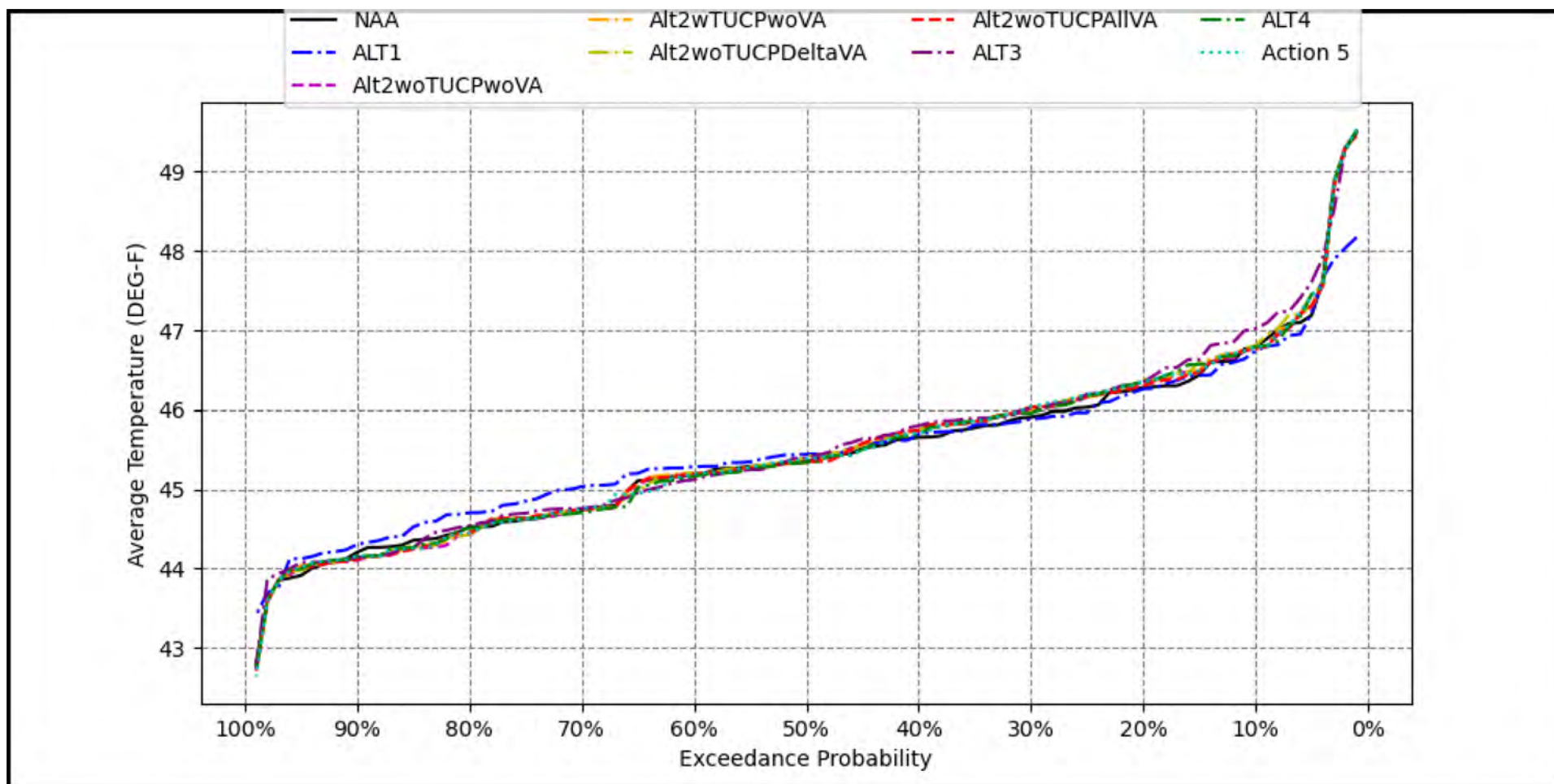
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-3 Clear Creek below Whiskeytown, December Temperature



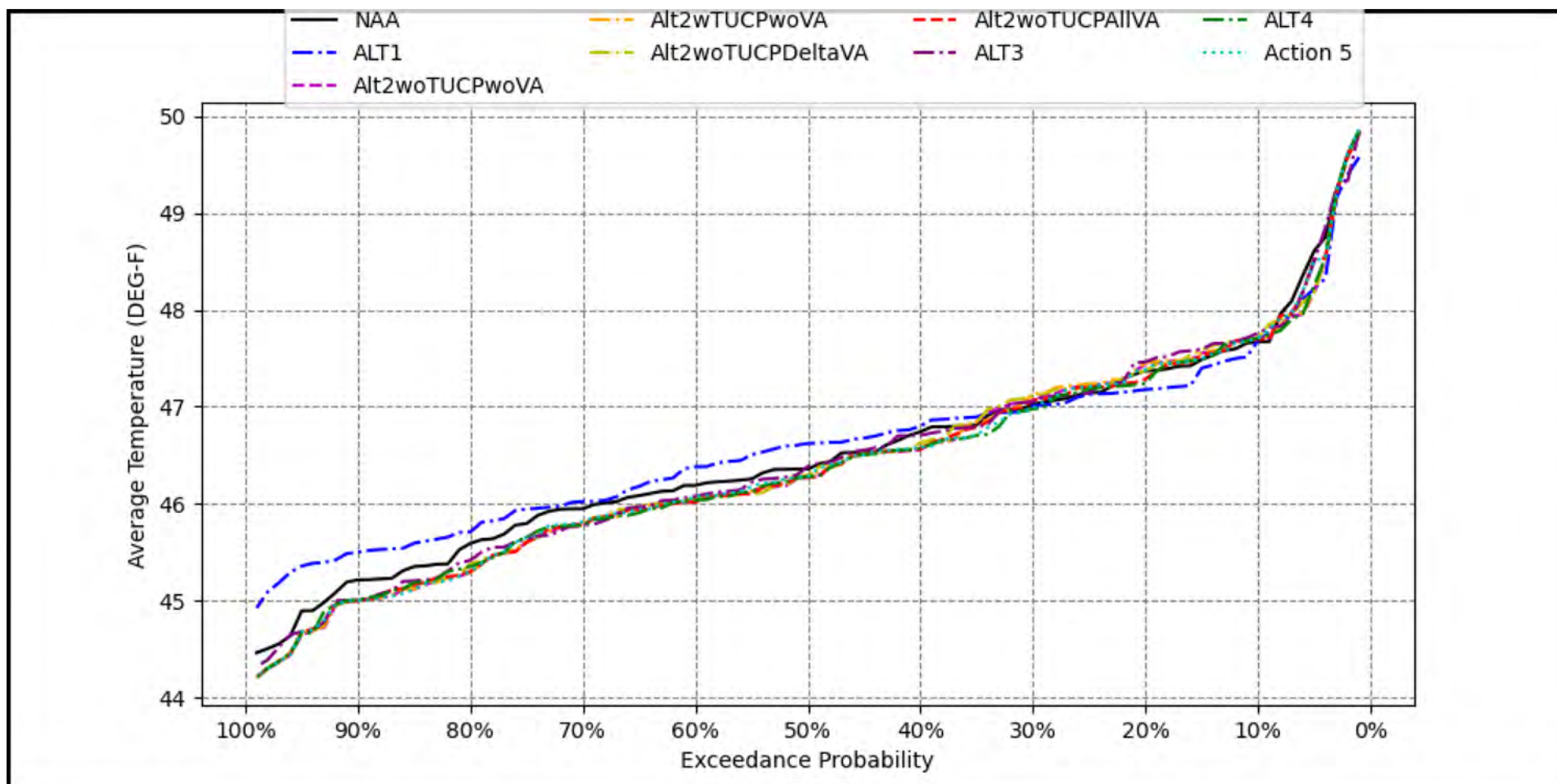
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-4 Clear Creek below Whiskeytown, January Temperature



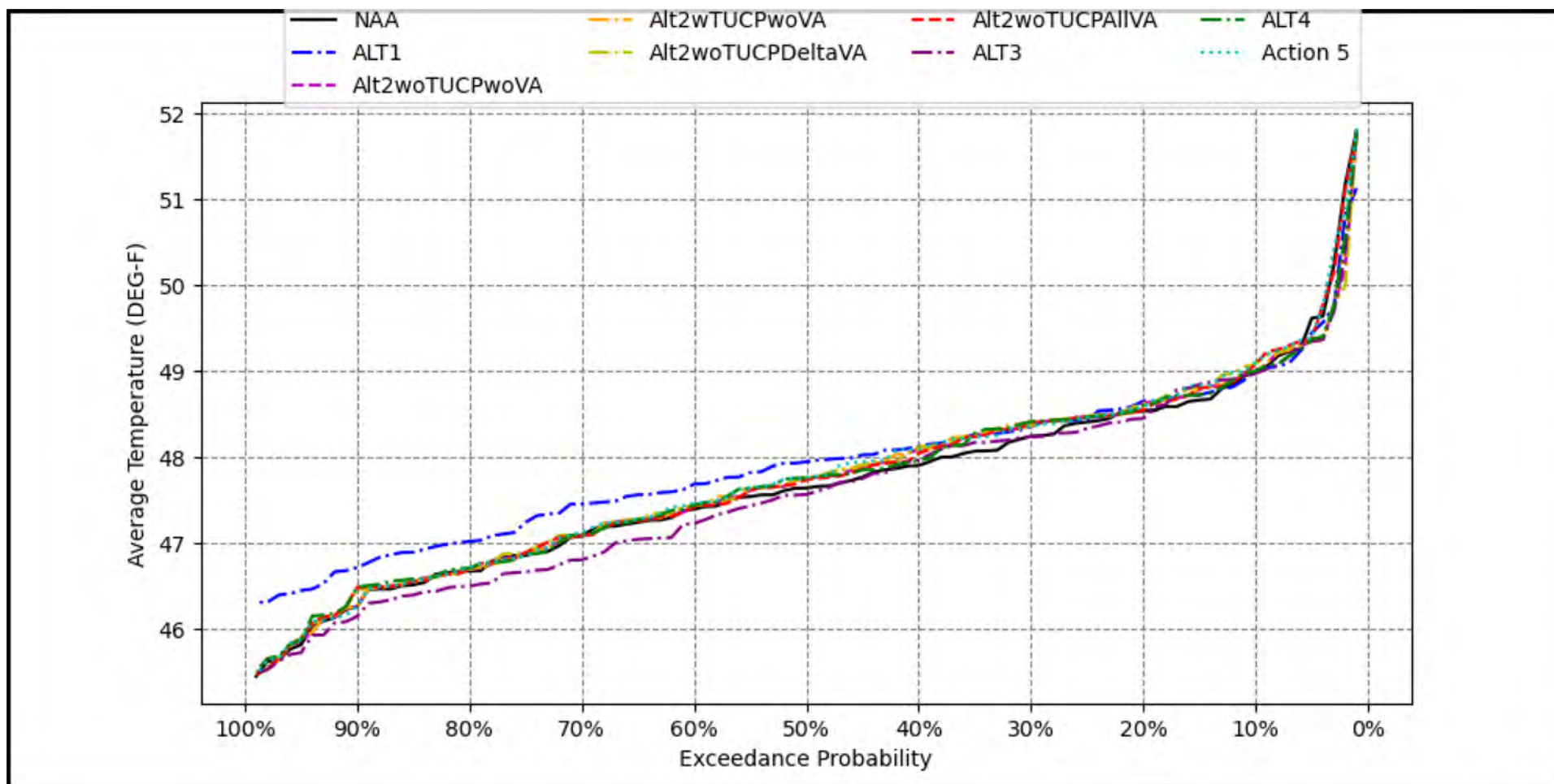
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-5 Clear Creek below Whiskeytown, February Temperature



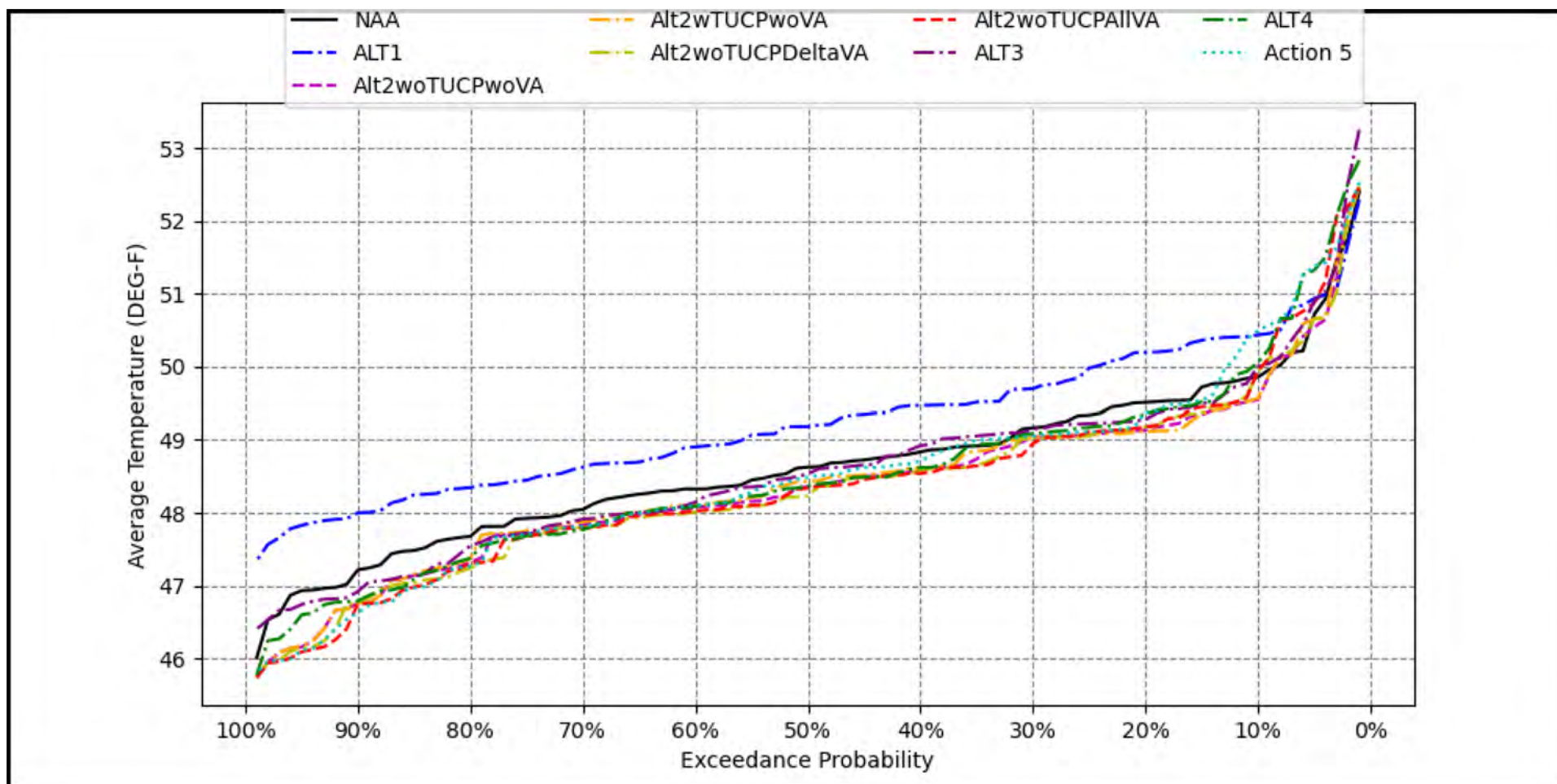
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-6 Clear Creek below Whiskeytown, March Temperature



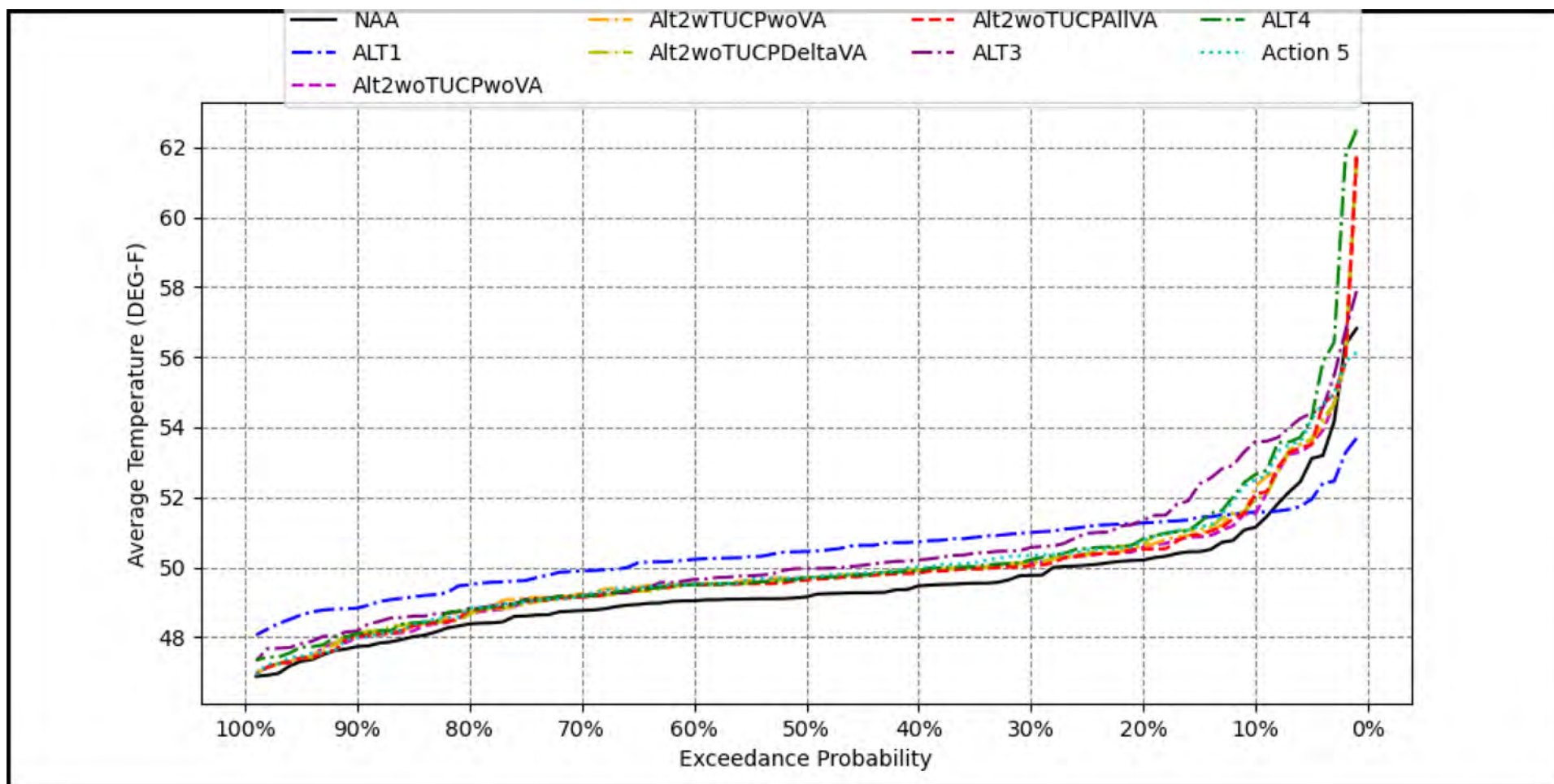
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-7 Clear Creek below Whiskeytown, April Temperature



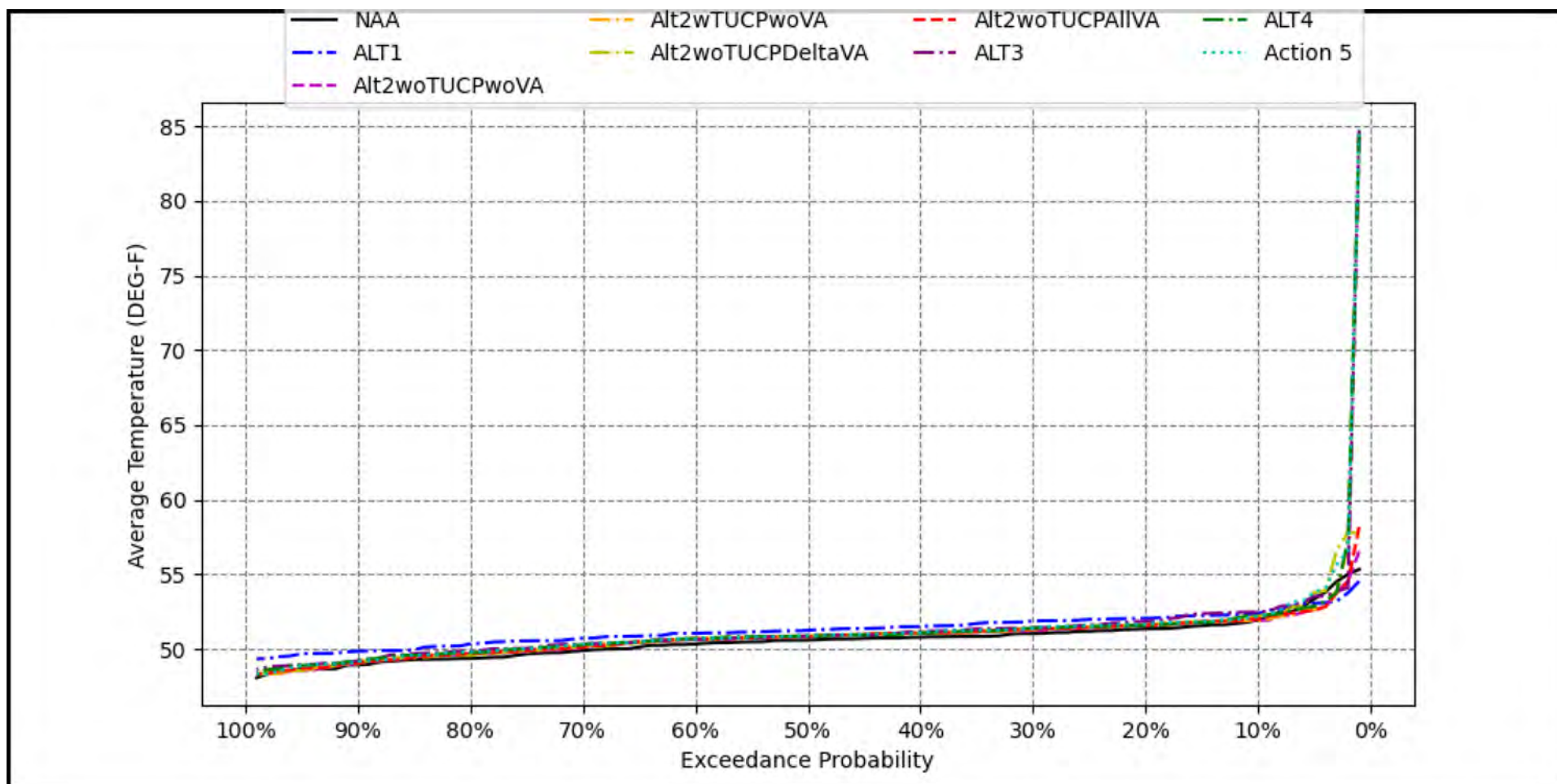
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-8 Clear Creek below Whiskeytown, May Temperature



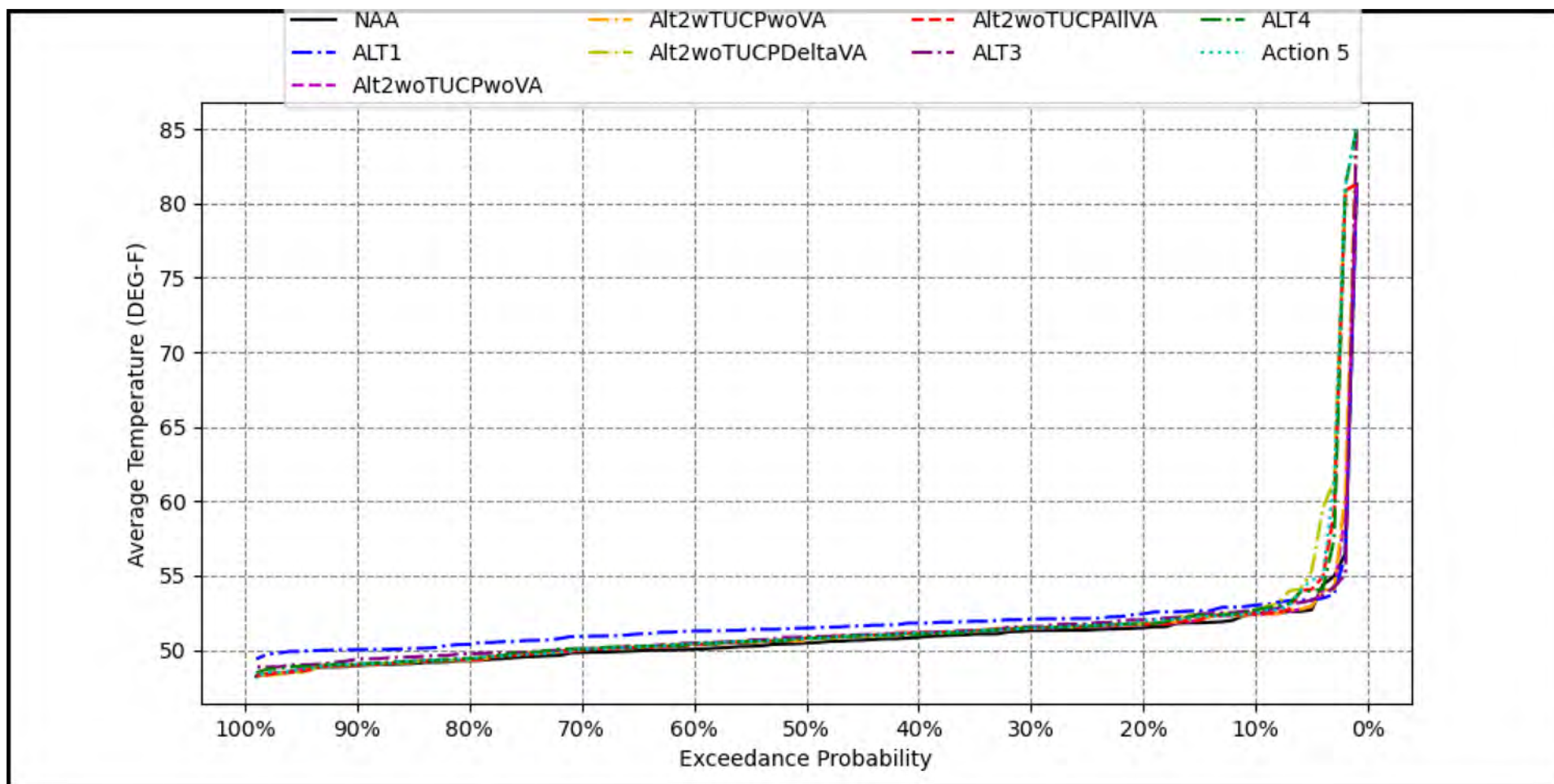
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-9 Clear Creek below Whiskeytown, June Temperature



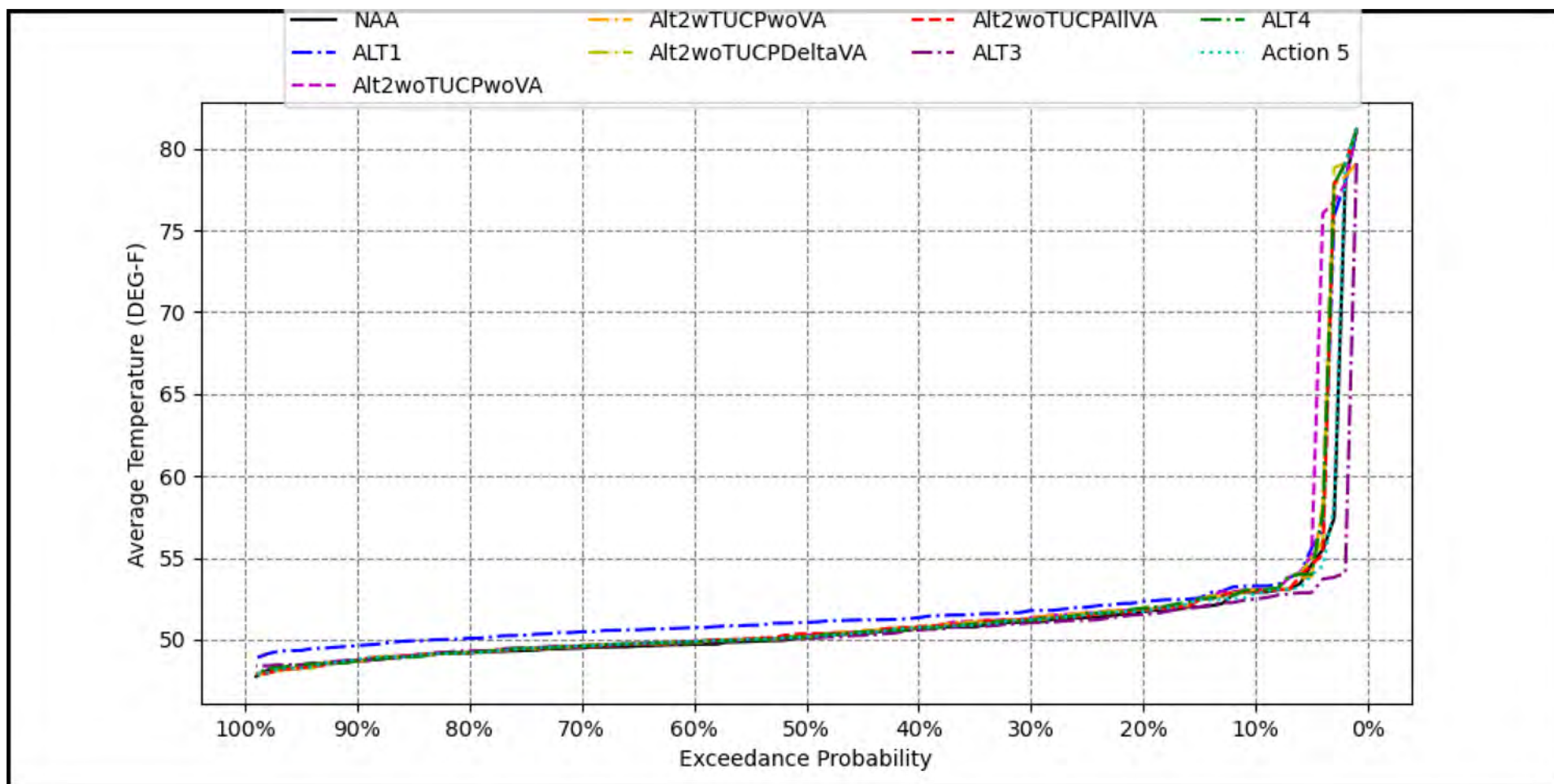
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-10 Clear Creek below Whiskeytown, July Temperature



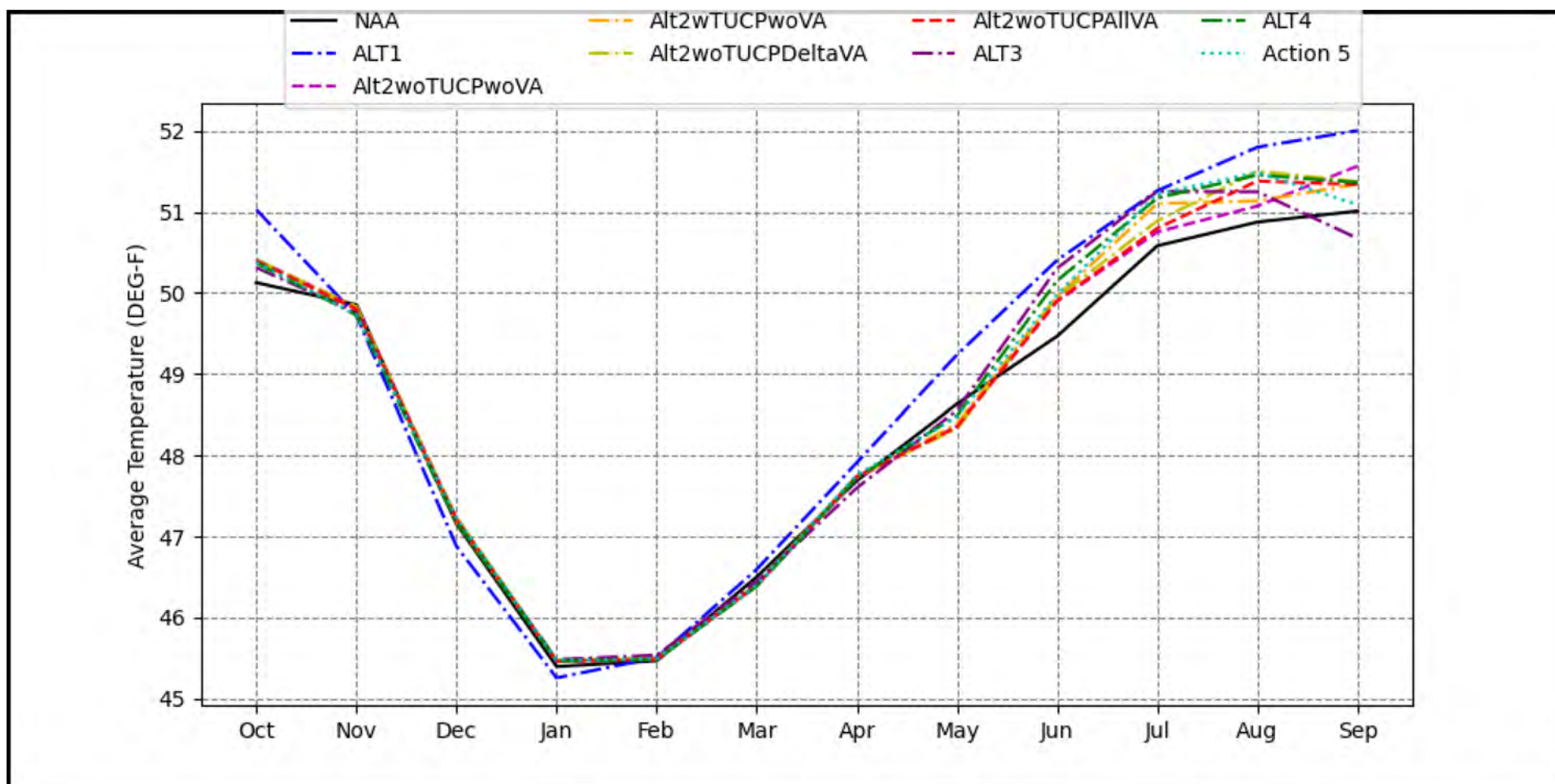
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-11 Clear Creek below Whiskeytown, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-12 Clear Creek below Whiskeytown, September Temperature

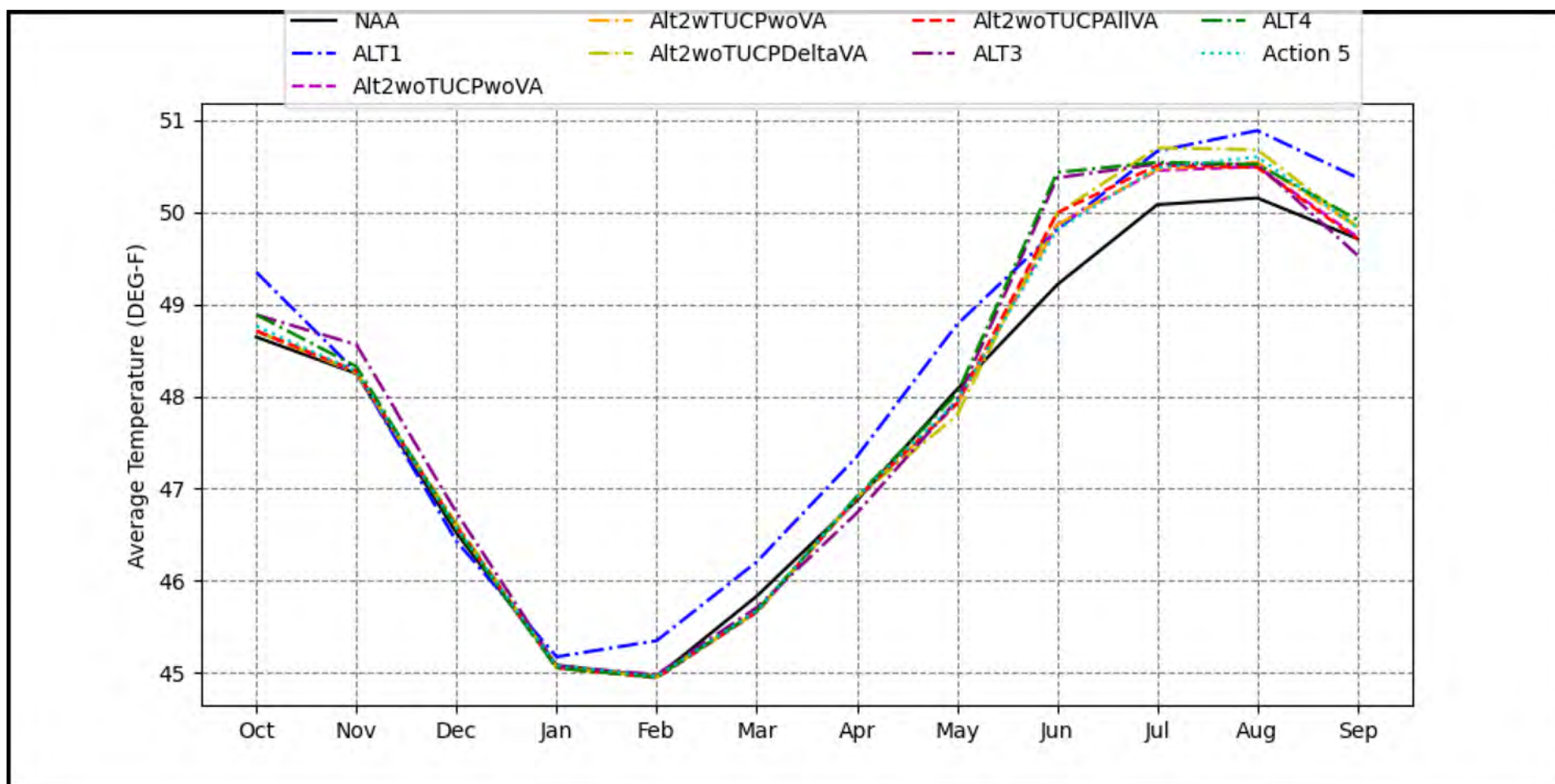


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-13 Clear Creek below Whiskeytown, Long Term Average Temperature (DEG-F)

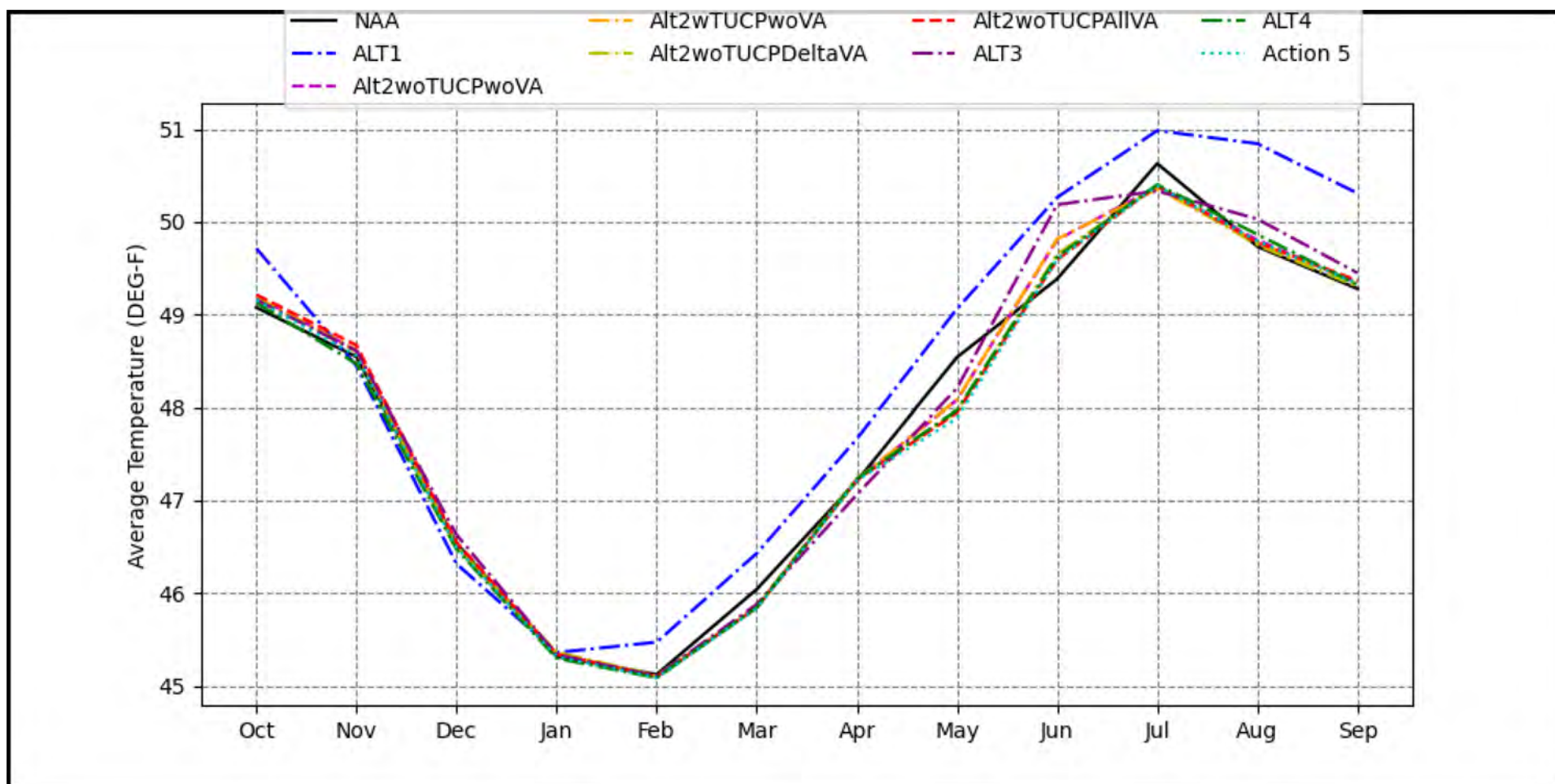


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-14 Clear Creek below Whiskeytown, Wet Year Average Temperature (DEG-F)

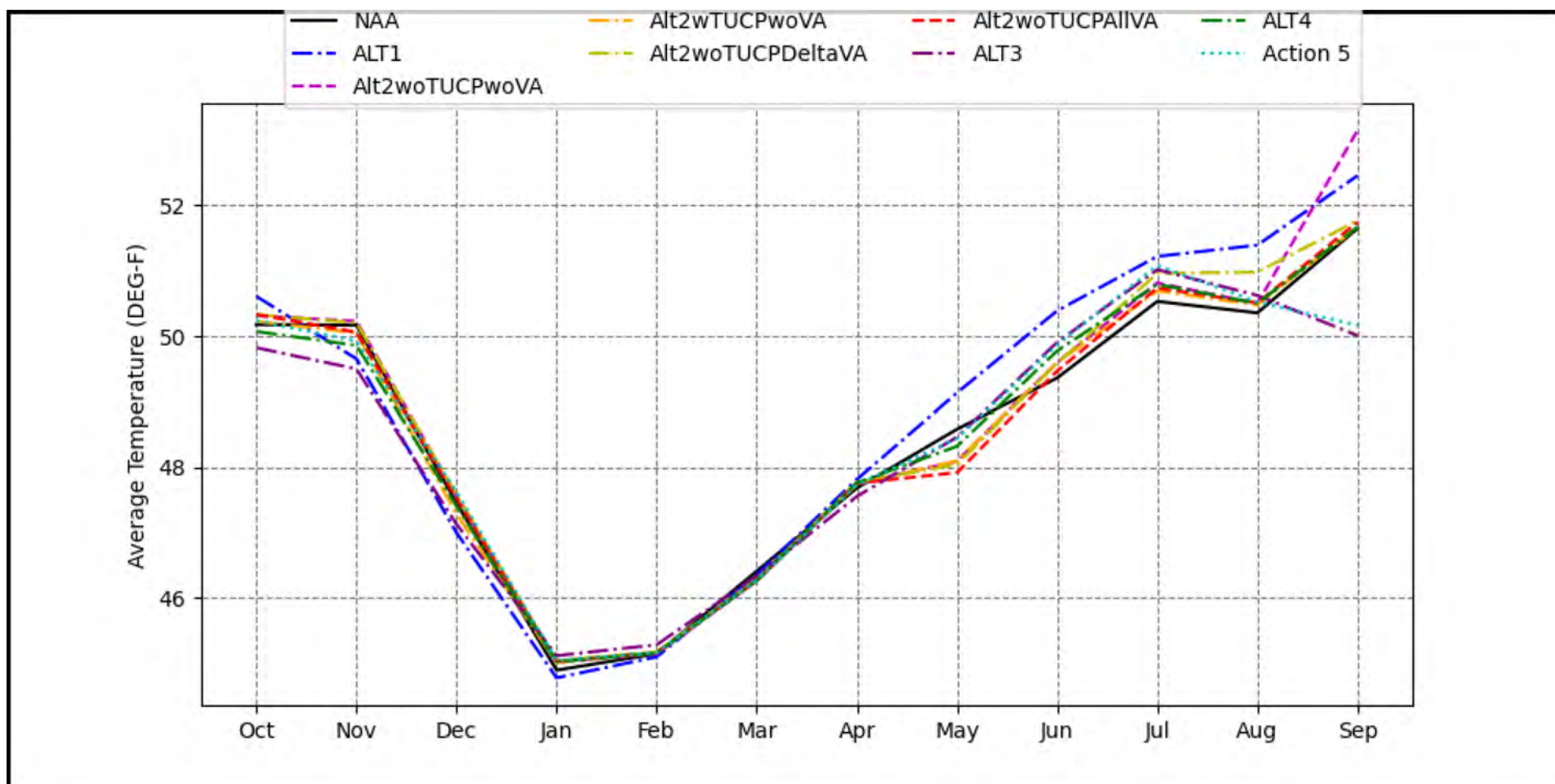


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-15 Clear Creek below Whiskeytown, Above Normal Year Average Temperature (DEG-F)

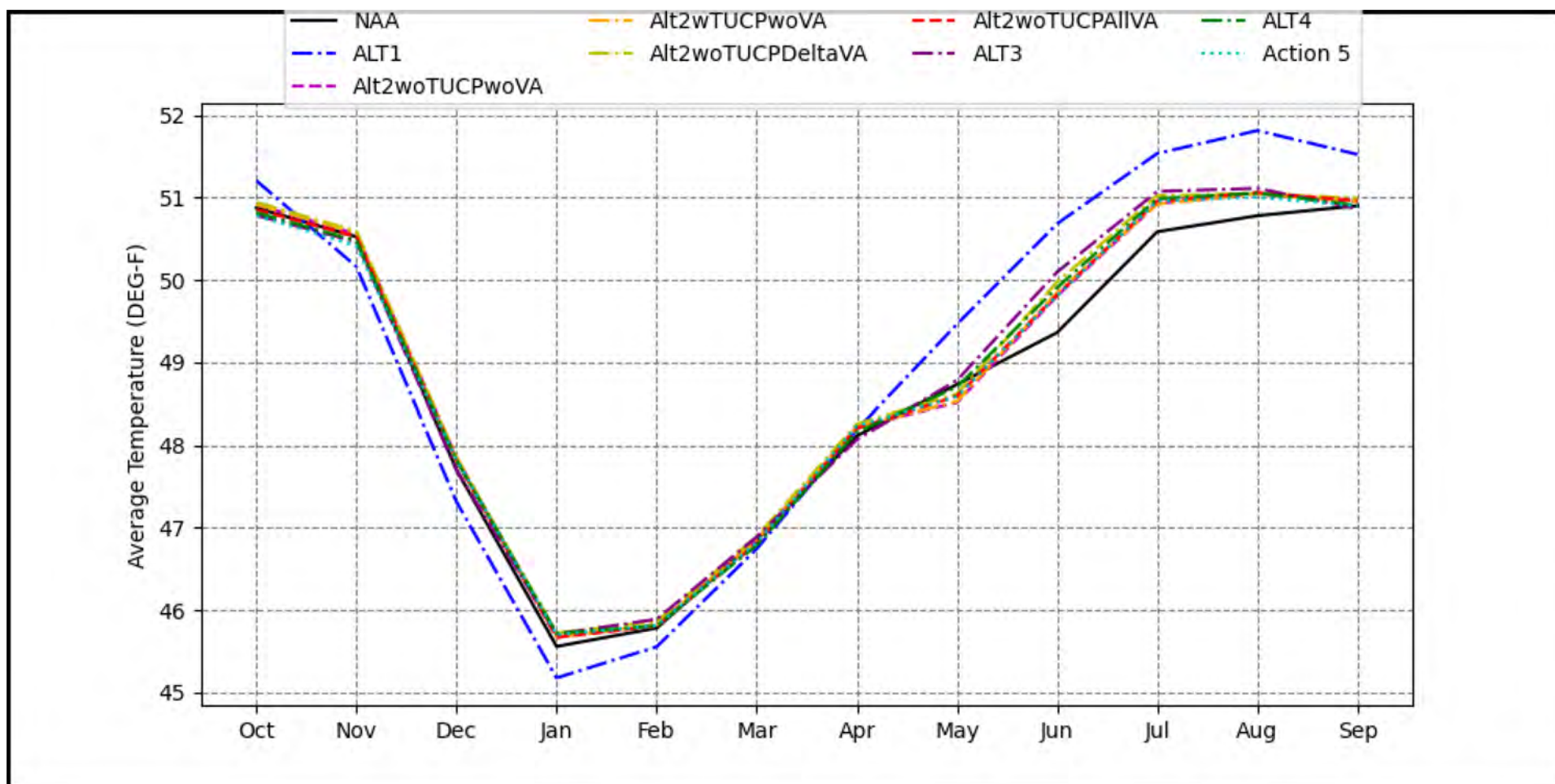


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-16 Clear Creek below Whiskeytown, Below Normal Year Average Temperature (DEG-F)

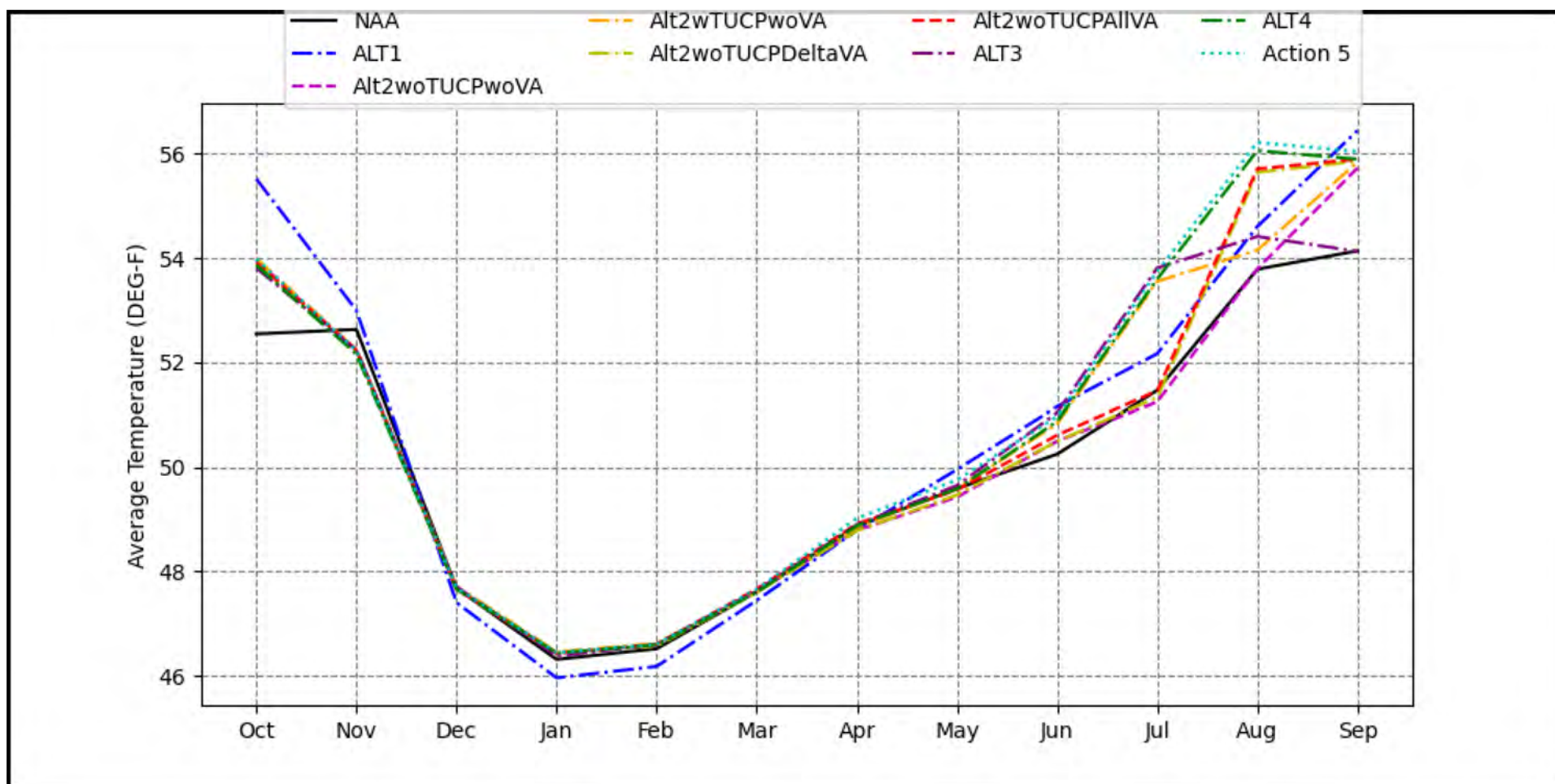


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-17 Clear Creek below Whiskeytown, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-4-18 Clear Creek below Whiskeytown, Critical Year Average Temperature (DEG-F)

F.2.11-5 Clear Creek at Igo

Table F.2.11-5-1 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-1 b. Clear Creek at Igo, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.8	51.9	48.6	47.2	48.5	50.3	52.7	55.4	57.4	58.3	57.7	56.5
20% Exceedance	54.3	51.3	48.0	47.1	47.9	50.1	52.5	55.1	56.8	57.6	57.1	55.6
30% Exceedance	53.6	50.8	47.7	46.7	47.7	49.7	52.1	54.6	56.5	57.3	56.7	55.2
40% Exceedance	53.2	50.5	47.5	46.5	47.5	49.6	51.8	54.2	56.2	57.1	56.4	54.9
50% Exceedance	52.5	50.1	47.3	46.2	47.3	49.4	51.6	53.9	56.0	56.7	55.9	54.5
60% Exceedance	52.3	49.8	47.1	46.0	46.9	49.0	51.4	53.6	55.7	56.5	55.7	54.3
70% Exceedance	52.1	49.3	46.7	45.7	46.7	48.7	51.0	53.3	55.4	56.1	55.4	54.0
80% Exceedance	51.8	48.9	46.4	45.4	46.4	48.4	50.6	53.1	54.7	55.6	55.1	53.7
90% Exceedance	51.4	48.2	46.1	44.9	45.9	48.2	50.3	52.5	54.3	55.3	54.6	53.2
Full Simulation Period Average^a	53.3	50.4	47.3	46.2	47.2	49.3	51.6	54.0	55.9	56.8	56.4	55.5
Wet Years (28%)	51.7	48.9	46.8	46.2	47.1	48.8	50.9	53.7	55.3	56.3	55.7	54.1
Above Normal Years (14%)	52.1	49.0	46.7	46.4	47.2	49.2	51.3	54.0	55.9	56.5	55.4	53.9
Below Normal Years (18%)	53.0	50.3	47.3	45.8	46.9	49.2	51.5	53.8	56.0	56.7	56.0	55.7
Dry Years (24%)	53.4	50.8	47.7	46.1	47.3	49.4	51.9	54.2	56.2	56.9	56.3	54.9
Critical Years (16%)	57.5	53.6	47.8	46.9	47.9	50.1	52.4	54.5	56.5	57.7	59.1	59.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-1 c. Clear Creek at Igo, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.8	-0.0	-0.3	0.4	1.3	1.8	2.5	4.0	5.2	4.0	3.7	2.4
20% Exceedance	1.9	-0.2	-0.4	0.6	1.2	2.0	2.8	3.9	5.3	4.1	3.7	2.7
30% Exceedance	1.9	-0.2	-0.1	0.6	1.3	1.9	2.7	4.0	5.4	4.0	3.7	2.9
40% Exceedance	2.1	-0.1	-0.0	0.7	1.4	2.0	2.7	3.8	5.7	4.2	3.7	3.0
50% Exceedance	2.1	0.1	0.0	0.7	1.5	2.1	2.8	3.8	5.7	4.0	3.8	2.9
60% Exceedance	2.2	0.2	0.0	0.7	1.4	1.9	2.9	3.8	5.5	4.0	3.9	3.2
70% Exceedance	2.3	0.1	-0.1	0.6	1.7	1.9	2.7	3.8	5.5	4.3	3.8	3.1
80% Exceedance	2.4	0.3	-0.1	0.5	1.5	2.0	2.8	3.9	5.2	4.1	3.9	3.1
90% Exceedance	2.3	0.3	0.1	0.4	1.4	2.2	2.9	3.8	5.4	4.1	3.9	3.0
Full Simulation Period Average^a	2.4	0.1	-0.1	0.5	1.4	1.9	2.7	3.9	5.3	4.0	3.7	3.1
Wet Years (28%)	2.3	0.3	0.1	0.8	1.8	2.2	2.9	4.1	5.0	4.0	3.7	2.9
Above Normal Years (14%)	2.3	0.2	-0.0	0.8	1.8	2.3	3.0	4.0	5.4	3.7	3.8	3.2
Below Normal Years (18%)	2.1	-0.2	-0.3	0.6	1.4	1.9	2.7	3.8	5.5	4.0	3.9	2.8
Dry Years (24%)	1.9	-0.1	-0.2	0.3	1.0	1.7	2.7	4.0	5.7	4.2	3.8	2.7
Critical Years (16%)	3.6	0.3	-0.1	0.3	0.8	1.6	2.2	3.1	4.7	3.9	3.6	4.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-2 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-2 b. Clear Creek at Igo, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.1	51.7	48.9	46.9	47.2	48.5	50.2	50.8	53.5	54.8	54.6	54.3
20% Exceedance	52.4	51.5	48.3	46.5	46.7	48.0	49.6	50.4	52.3	54.3	54.0	53.3
30% Exceedance	51.9	51.1	47.8	46.2	46.3	47.7	49.3	50.1	51.9	54.0	53.7	52.8
40% Exceedance	51.3	50.7	47.5	45.8	46.1	47.2	49.0	49.8	51.5	53.8	53.4	52.2
50% Exceedance	50.7	50.2	47.3	45.5	45.8	47.0	48.8	49.5	51.3	53.6	53.0	51.7
60% Exceedance	50.4	49.6	47.0	45.3	45.6	46.7	48.4	49.1	51.0	53.3	52.6	51.4
70% Exceedance	50.0	49.2	46.7	45.0	45.1	46.4	48.0	49.0	50.7	52.7	52.2	51.1
80% Exceedance	49.5	48.5	46.5	44.8	44.9	46.0	47.8	48.6	50.1	52.5	51.8	50.8
90% Exceedance	49.3	48.1	46.0	44.6	44.5	45.6	47.2	48.1	49.5	52.0	51.4	50.5
Full Simulation Period Average^a	51.3	50.2	47.4	45.7	45.9	47.1	48.7	49.5	51.5	53.5	53.3	53.0
Wet Years (28%)	49.5	48.6	46.7	45.3	45.3	46.3	47.8	49.1	51.4	53.4	52.8	51.3
Above Normal Years (14%)	50.0	48.9	46.7	45.6	45.5	46.5	48.2	49.3	51.4	53.3	52.1	50.9
Below Normal Years (18%)	51.1	50.6	47.7	45.2	45.5	46.9	48.7	49.2	51.2	53.7	52.8	54.5
Dry Years (24%)	51.7	50.8	48.0	45.9	46.2	47.5	49.2	49.6	51.4	53.8	53.3	52.4
Critical Years (16%)	54.9	52.9	47.9	46.7	47.1	48.5	50.2	50.6	52.6	53.4	55.7	57.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-2 c. Clear Creek at Igo, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.2	0.0	0.1	-0.0	-0.0	-0.1	-0.7	1.3	0.5	0.6	0.2
20% Exceedance	0.1	0.0	-0.1	0.0	0.0	-0.1	-0.0	-0.7	0.8	0.9	0.6	0.3
30% Exceedance	0.2	0.0	0.0	0.1	-0.1	-0.1	-0.0	-0.5	0.9	0.8	0.7	0.5
40% Exceedance	0.2	0.1	0.0	0.0	0.1	-0.3	-0.1	-0.6	1.0	0.9	0.7	0.3
50% Exceedance	0.3	0.2	-0.1	-0.0	0.0	-0.2	0.0	-0.6	0.9	0.9	0.9	0.1
60% Exceedance	0.2	-0.0	-0.1	-0.0	0.0	-0.4	-0.1	-0.7	0.8	0.8	0.8	0.3
70% Exceedance	0.2	-0.1	-0.1	-0.1	0.1	-0.4	-0.2	-0.5	0.8	0.9	0.6	0.2
80% Exceedance	0.1	-0.1	0.0	-0.1	0.1	-0.4	-0.1	-0.5	0.6	1.0	0.6	0.1
90% Exceedance	0.2	0.2	-0.0	0.0	-0.0	-0.4	-0.1	-0.7	0.6	0.7	0.6	0.2
Full Simulation Period Average^a	0.3	-0.1	0.0	-0.0	0.0	-0.3	-0.1	-0.6	0.9	0.8	0.6	0.7
Wet Years (28%)	0.2	-0.0	0.0	-0.1	0.1	-0.4	-0.1	-0.5	1.1	1.1	0.8	0.2
Above Normal Years (14%)	0.2	0.0	-0.1	-0.0	0.0	-0.4	-0.1	-0.8	0.9	0.5	0.6	0.2
Below Normal Years (18%)	0.3	0.0	0.1	0.0	0.0	-0.3	-0.1	-0.8	0.7	1.0	0.6	1.6
Dry Years (24%)	0.1	0.0	0.1	0.0	-0.0	-0.2	-0.0	-0.5	0.9	1.1	0.7	0.2
Critical Years (16%)	1.1	-0.5	-0.0	0.1	0.0	-0.1	-0.1	-0.7	0.9	-0.3	0.2	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-3 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-3 b. Clear Creek at Igo, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.2	51.9	48.8	47.0	47.3	48.5	50.2	50.7	54.0	54.8	54.4	54.2
20% Exceedance	52.4	51.5	48.2	46.5	46.7	48.0	49.7	50.4	52.3	54.5	53.9	53.3
30% Exceedance	51.9	51.0	47.7	46.2	46.4	47.7	49.3	50.1	51.9	54.2	53.6	52.8
40% Exceedance	51.2	50.6	47.5	45.8	46.1	47.3	49.0	49.8	51.6	53.9	53.4	52.2
50% Exceedance	50.7	50.0	47.3	45.5	45.8	47.0	48.8	49.5	51.4	53.6	53.0	51.7
60% Exceedance	50.4	49.6	47.1	45.3	45.6	46.7	48.4	49.2	51.0	53.3	52.7	51.4
70% Exceedance	50.0	49.1	46.7	45.0	45.1	46.5	48.0	49.0	50.8	52.8	52.2	51.1
80% Exceedance	49.5	48.5	46.5	44.8	44.9	46.0	47.8	48.7	50.1	52.5	51.8	50.8
90% Exceedance	49.2	48.1	46.0	44.6	44.5	45.6	47.3	48.1	49.5	52.1	51.4	50.5
Full Simulation Period Average^a	51.2	50.1	47.3	45.7	45.9	47.1	48.8	49.5	51.6	53.9	53.3	52.8
Wet Years (28%)	49.5	48.6	46.7	45.3	45.3	46.3	47.8	49.1	51.4	53.4	52.9	51.4
Above Normal Years (14%)	50.0	48.9	46.6	45.6	45.5	46.5	48.2	49.3	51.4	53.3	52.0	50.9
Below Normal Years (18%)	51.0	50.3	47.4	45.2	45.5	46.9	48.7	49.2	51.2	53.6	52.8	53.1
Dry Years (24%)	51.7	50.8	48.0	45.9	46.2	47.5	49.2	49.7	51.4	53.8	53.3	52.4
Critical Years (16%)	54.9	52.9	47.9	46.7	47.1	48.5	50.2	50.8	53.2	55.6	55.8	57.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-3 c. Clear Creek at Igo, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.0	0.0	0.1	0.0	-0.0	-0.1	-0.7	1.8	0.5	0.5	0.1
20% Exceedance	0.1	0.0	-0.1	0.0	0.0	-0.1	-0.0	-0.8	0.8	1.0	0.5	0.3
30% Exceedance	0.2	-0.0	-0.0	0.1	-0.0	-0.1	-0.0	-0.5	0.9	1.0	0.6	0.5
40% Exceedance	0.2	0.0	-0.0	0.1	0.1	-0.3	-0.1	-0.6	1.1	1.0	0.7	0.3
50% Exceedance	0.2	0.1	-0.0	-0.1	0.0	-0.2	0.0	-0.5	1.0	0.9	0.9	0.1
60% Exceedance	0.3	-0.0	0.0	-0.0	0.1	-0.4	-0.0	-0.6	0.8	0.8	0.8	0.3
70% Exceedance	0.2	-0.1	-0.1	-0.1	0.1	-0.3	-0.2	-0.5	0.9	1.0	0.7	0.2
80% Exceedance	0.1	-0.1	0.1	-0.1	0.1	-0.4	-0.1	-0.5	0.6	1.0	0.6	0.1
90% Exceedance	0.2	0.3	-0.0	0.0	-0.0	-0.4	-0.1	-0.7	0.6	0.9	0.6	0.2
Full Simulation Period Average^a	0.3	-0.1	-0.0	-0.0	0.0	-0.3	-0.1	-0.6	1.0	1.1	0.7	0.4
Wet Years (28%)	0.2	-0.0	0.0	-0.1	0.1	-0.4	-0.1	-0.5	1.0	1.1	0.9	0.3
Above Normal Years (14%)	0.2	0.0	-0.1	-0.0	0.0	-0.4	-0.1	-0.8	0.9	0.5	0.5	0.2
Below Normal Years (18%)	0.2	-0.2	-0.2	0.0	0.1	-0.3	-0.1	-0.8	0.7	0.9	0.6	0.2
Dry Years (24%)	0.2	0.0	0.1	0.0	-0.0	-0.2	-0.0	-0.5	0.9	1.1	0.7	0.2
Critical Years (16%)	1.0	-0.5	0.0	0.1	0.0	-0.1	-0.0	-0.6	1.5	1.9	0.3	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-4 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-4 b. Clear Creek at Igo, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.2	52.0	48.9	46.9	47.2	48.5	50.2	50.9	53.6	55.1	54.7	54.3
20% Exceedance	52.4	51.5	48.3	46.5	46.7	48.0	49.6	50.4	52.4	54.4	54.0	53.2
30% Exceedance	51.9	50.9	47.9	46.3	46.4	47.7	49.4	50.1	52.0	54.1	53.7	52.6
40% Exceedance	51.3	50.6	47.6	45.8	46.1	47.3	49.0	49.7	51.5	53.9	53.3	52.3
50% Exceedance	50.7	50.1	47.3	45.5	45.8	47.0	48.8	49.4	51.3	53.6	53.0	51.7
60% Exceedance	50.4	49.6	47.1	45.3	45.6	46.7	48.4	49.1	51.0	53.3	52.7	51.4
70% Exceedance	50.0	49.2	46.8	45.0	45.1	46.4	48.1	48.9	50.7	52.8	52.2	51.1
80% Exceedance	49.6	48.5	46.5	44.8	44.9	46.0	47.8	48.4	50.1	52.4	51.9	50.8
90% Exceedance	49.2	48.1	46.0	44.6	44.5	45.7	47.3	48.0	49.7	52.0	51.4	50.5
Full Simulation Period Average^a	51.2	50.2	47.4	45.7	45.9	47.1	48.8	49.5	51.6	53.7	53.7	52.8
Wet Years (28%)	49.5	48.6	46.8	45.3	45.3	46.3	47.8	49.0	51.5	53.6	53.0	51.4
Above Normal Years (14%)	50.0	48.9	46.7	45.6	45.5	46.5	48.2	49.2	51.2	53.3	52.0	50.9
Below Normal Years (18%)	51.1	50.5	47.7	45.3	45.6	46.9	48.7	49.2	51.2	53.8	53.3	53.2
Dry Years (24%)	51.7	50.9	48.0	45.9	46.3	47.6	49.3	49.7	51.5	53.9	53.3	52.4
Critical Years (16%)	54.9	52.9	47.9	46.7	47.1	48.5	50.1	50.7	52.6	53.6	57.2	57.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-4 c. Clear Creek at Igo, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.1	0.1	0.1	-0.0	-0.0	-0.1	-0.5	1.4	0.8	0.8	0.2
20% Exceedance	0.1	0.0	0.0	0.0	0.0	-0.1	-0.0	-0.7	0.9	1.0	0.6	0.3
30% Exceedance	0.2	-0.1	0.1	0.2	-0.0	-0.1	-0.0	-0.5	0.9	0.9	0.7	0.2
40% Exceedance	0.2	0.0	0.0	0.1	0.1	-0.3	-0.1	-0.6	1.0	1.0	0.6	0.3
50% Exceedance	0.2	0.1	-0.1	-0.0	0.1	-0.2	0.1	-0.6	0.9	0.9	0.9	0.1
60% Exceedance	0.2	0.0	0.0	-0.0	0.0	-0.4	-0.1	-0.7	0.8	0.8	0.8	0.3
70% Exceedance	0.1	-0.0	-0.0	-0.1	0.1	-0.4	-0.1	-0.6	0.8	0.9	0.6	0.2
80% Exceedance	0.2	-0.1	0.0	-0.1	0.1	-0.4	-0.1	-0.7	0.7	0.9	0.6	0.2
90% Exceedance	0.2	0.2	-0.0	0.0	-0.0	-0.3	-0.1	-0.7	0.8	0.8	0.6	0.2
Full Simulation Period Average^a	0.3	-0.1	0.0	0.0	0.0	-0.2	-0.1	-0.7	0.9	0.9	1.0	0.5
Wet Years (28%)	0.2	-0.0	0.0	-0.1	0.1	-0.3	-0.1	-0.6	1.2	1.4	1.0	0.3
Above Normal Years (14%)	0.2	0.0	-0.1	-0.0	0.1	-0.4	-0.1	-0.9	0.7	0.5	0.5	0.2
Below Normal Years (18%)	0.3	0.0	0.1	0.1	0.1	-0.3	-0.1	-0.8	0.7	1.2	1.1	0.2
Dry Years (24%)	0.2	0.0	0.1	0.1	0.0	-0.1	-0.0	-0.4	1.0	1.2	0.7	0.2
Critical Years (16%)	1.0	-0.5	-0.0	0.1	-0.0	-0.1	-0.1	-0.7	0.9	-0.1	1.8	1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-5 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-5 b. Clear Creek at Igo, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.2	51.9	48.9	46.9	47.2	48.5	50.1	51.0	53.5	55.0	54.6	54.2
20% Exceedance	52.4	51.5	48.2	46.5	46.7	48.0	49.6	50.4	52.2	54.4	54.0	53.2
30% Exceedance	51.9	50.9	47.8	46.2	46.3	47.6	49.3	50.0	51.8	54.2	53.6	52.7
40% Exceedance	51.3	50.6	47.5	45.8	46.1	47.3	49.0	49.7	51.5	53.9	53.3	52.2
50% Exceedance	50.6	49.9	47.3	45.5	45.9	47.0	48.8	49.5	51.3	53.6	53.0	51.8
60% Exceedance	50.4	49.6	47.1	45.3	45.6	46.7	48.4	49.1	51.0	53.3	52.6	51.4
70% Exceedance	49.9	49.2	46.8	44.9	45.1	46.4	48.1	48.9	50.7	52.8	52.1	51.1
80% Exceedance	49.6	48.5	46.5	44.8	44.9	46.0	47.7	48.5	50.3	52.5	51.8	50.8
90% Exceedance	49.2	48.1	46.0	44.6	44.5	45.7	47.3	47.9	49.6	52.0	51.4	50.4
Full Simulation Period Average^a	51.2	50.2	47.4	45.7	45.9	47.1	48.8	49.5	51.5	53.6	53.6	52.8
Wet Years (28%)	49.5	48.6	46.8	45.3	45.3	46.3	47.8	49.1	51.5	53.5	52.8	51.3
Above Normal Years (14%)	50.1	48.9	46.7	45.6	45.5	46.5	48.2	49.1	51.2	53.3	52.0	50.9
Below Normal Years (18%)	51.1	50.4	47.7	45.3	45.5	46.9	48.7	49.1	51.1	53.6	52.8	53.1
Dry Years (24%)	51.6	50.8	47.9	45.9	46.2	47.5	49.2	49.7	51.4	53.8	53.3	52.4
Critical Years (16%)	54.9	52.9	47.9	46.7	47.1	48.5	50.3	50.8	52.7	53.7	57.3	57.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-5 c. Clear Creek at Igo, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.0	0.1	0.0	0.0	0.0	-0.1	-0.4	1.2	0.7	0.7	0.1
20% Exceedance	0.0	-0.0	-0.1	0.0	0.0	-0.1	-0.0	-0.7	0.7	0.9	0.6	0.3
30% Exceedance	0.2	-0.1	-0.0	0.1	-0.0	-0.2	-0.0	-0.6	0.8	0.9	0.6	0.4
40% Exceedance	0.3	-0.0	-0.0	0.1	0.1	-0.3	-0.1	-0.7	0.9	1.0	0.7	0.3
50% Exceedance	0.1	0.0	-0.1	-0.0	0.1	-0.2	0.0	-0.6	0.9	0.9	0.9	0.2
60% Exceedance	0.3	-0.0	0.0	0.0	0.0	-0.4	-0.1	-0.7	0.8	0.8	0.8	0.3
70% Exceedance	0.1	-0.0	0.1	-0.1	0.1	-0.4	-0.2	-0.6	0.8	0.9	0.6	0.2
80% Exceedance	0.2	-0.1	0.0	-0.1	0.1	-0.4	-0.1	-0.6	0.9	1.0	0.6	0.1
90% Exceedance	0.2	0.2	-0.0	0.0	-0.0	-0.3	-0.1	-0.8	0.6	0.8	0.6	0.2
Full Simulation Period Average^a	0.3	-0.1	0.0	-0.0	0.0	-0.3	-0.1	-0.6	0.9	0.8	0.9	0.4
Wet Years (28%)	0.2	-0.0	0.0	-0.1	0.1	-0.4	-0.1	-0.5	1.2	1.2	0.8	0.1
Above Normal Years (14%)	0.3	0.1	-0.0	-0.1	0.0	-0.4	-0.1	-0.9	0.6	0.5	0.5	0.2
Below Normal Years (18%)	0.3	-0.1	0.0	0.1	0.1	-0.3	-0.1	-1.0	0.5	1.0	0.6	0.2
Dry Years (24%)	0.1	-0.0	0.1	0.0	-0.0	-0.2	-0.1	-0.5	0.9	1.1	0.8	0.2
Critical Years (16%)	1.0	-0.5	-0.0	0.1	0.0	-0.0	0.0	-0.6	1.0	-0.0	1.8	1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-6 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-6 b. Clear Creek at Igo, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.1	51.8	48.8	47.1	47.3	48.5	50.1	51.0	54.8	55.6	55.2	54.1
20% Exceedance	52.2	51.2	48.4	46.6	46.8	48.1	49.6	50.5	53.0	54.6	54.7	53.2
30% Exceedance	51.7	50.7	47.8	46.2	46.3	47.6	49.2	50.3	52.4	54.1	54.1	52.6
40% Exceedance	51.2	50.3	47.5	45.8	46.2	47.3	48.9	50.0	51.8	53.9	53.7	52.2
50% Exceedance	50.6	49.7	47.2	45.6	45.9	47.0	48.5	49.6	51.4	53.6	53.4	51.8
60% Exceedance	50.4	49.4	47.0	45.2	45.6	46.7	48.1	49.2	51.2	53.4	53.0	51.6
70% Exceedance	49.9	49.2	46.7	45.0	45.1	46.4	47.7	49.0	50.7	52.9	52.6	51.3
80% Exceedance	49.7	48.8	46.5	44.8	45.0	46.1	47.5	48.5	50.3	52.7	52.3	51.0
90% Exceedance	49.4	48.4	46.2	44.4	44.5	45.6	47.2	48.1	49.8	52.1	51.9	50.6
Full Simulation Period Average^a	51.2	50.1	47.3	45.7	45.9	47.1	48.6	49.7	52.0	54.0	53.8	52.3
Wet Years (28%)	49.8	48.9	46.9	45.3	45.4	46.3	47.6	49.1	51.8	53.3	53.2	51.3
Above Normal Years (14%)	50.1	48.9	46.8	45.6	45.5	46.5	48.0	49.3	51.7	53.1	52.6	51.2
Below Normal Years (18%)	50.7	49.8	47.3	45.3	45.6	46.9	48.5	49.5	51.4	53.8	53.2	51.7
Dry Years (24%)	51.6	50.8	47.8	45.9	46.3	47.5	49.0	49.9	51.6	53.8	53.6	52.5
Critical Years (16%)	54.6	52.8	47.9	46.6	47.1	48.5	50.2	50.9	53.6	56.5	56.7	55.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-6 c. Clear Creek at Igo, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.1	-0.1	0.3	0.1	-0.0	-0.2	-0.5	2.6	1.3	1.3	-0.0
20% Exceedance	-0.1	-0.3	0.1	0.1	0.1	0.0	-0.1	-0.6	1.6	1.1	1.3	0.3
30% Exceedance	0.1	-0.4	0.1	0.1	-0.1	-0.2	-0.2	-0.3	1.3	0.9	1.0	0.3
40% Exceedance	0.1	-0.3	-0.1	0.1	0.1	-0.3	-0.1	-0.4	1.3	1.0	1.1	0.3
50% Exceedance	0.2	-0.2	-0.1	0.0	0.1	-0.2	-0.2	-0.5	1.1	0.9	1.2	0.2
60% Exceedance	0.2	-0.2	-0.1	-0.0	-0.0	-0.4	-0.3	-0.6	1.0	0.9	1.2	0.5
70% Exceedance	0.1	-0.0	-0.1	-0.1	0.1	-0.4	-0.5	-0.5	0.8	1.1	1.1	0.4
80% Exceedance	0.3	0.2	0.1	-0.1	0.1	-0.3	-0.4	-0.6	0.8	1.2	1.1	0.4
90% Exceedance	0.3	0.5	0.2	-0.2	-0.0	-0.3	-0.1	-0.6	0.8	0.9	1.2	0.3
Full Simulation Period Average^a	0.2	-0.1	-0.0	0.0	0.1	-0.2	-0.2	-0.5	1.3	1.2	1.1	-0.0
Wet Years (28%)	0.4	0.3	0.2	-0.1	0.1	-0.3	-0.3	-0.5	1.5	1.1	1.2	0.2
Above Normal Years (14%)	0.3	0.0	0.0	-0.1	0.0	-0.4	-0.3	-0.7	1.1	0.3	1.1	0.5
Below Normal Years (18%)	-0.2	-0.7	-0.4	0.1	0.2	-0.3	-0.3	-0.5	0.9	1.1	1.0	-1.2
Dry Years (24%)	0.1	-0.1	-0.0	0.1	0.0	-0.1	-0.2	-0.3	1.1	1.1	1.1	0.3
Critical Years (16%)	0.7	-0.6	0.0	0.0	0.0	-0.1	0.0	-0.5	1.9	2.7	1.3	0.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-7 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-7 b. Clear Creek at Igo, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.2	51.8	48.9	46.9	47.2	48.4	50.1	51.1	54.3	54.9	54.7	54.2
20% Exceedance	52.3	51.2	48.2	46.6	46.7	48.0	49.7	50.6	52.6	54.5	54.0	53.3
30% Exceedance	51.9	50.9	47.8	46.2	46.4	47.6	49.3	50.3	52.1	54.1	53.6	52.7
40% Exceedance	51.2	50.4	47.5	45.8	46.1	47.3	49.0	49.8	51.5	53.9	53.3	52.1
50% Exceedance	50.6	49.8	47.3	45.5	45.8	47.0	48.7	49.5	51.3	53.6	53.0	51.7
60% Exceedance	50.4	49.6	46.9	45.3	45.6	46.7	48.4	49.2	51.0	53.3	52.6	51.4
70% Exceedance	50.1	49.0	46.7	45.0	45.1	46.4	48.0	49.0	50.8	52.9	52.3	51.2
80% Exceedance	49.6	48.5	46.5	44.8	45.0	46.0	47.7	48.6	50.1	52.5	51.9	50.8
90% Exceedance	49.2	47.9	46.0	44.6	44.6	45.7	47.4	48.0	49.6	52.2	51.4	50.3
Full Simulation Period Average^a	51.2	50.1	47.3	45.7	45.9	47.1	48.8	49.6	51.8	53.9	53.6	52.8
Wet Years (28%)	49.7	48.6	46.7	45.3	45.3	46.3	47.8	49.2	51.9	53.5	52.9	51.5
Above Normal Years (14%)	50.0	48.7	46.6	45.5	45.5	46.5	48.2	49.2	51.2	53.3	52.1	50.9
Below Normal Years (18%)	50.9	50.2	47.6	45.2	45.5	46.9	48.7	49.4	51.3	53.7	52.8	53.1
Dry Years (24%)	51.6	50.8	48.0	45.9	46.2	47.4	49.2	49.8	51.5	53.8	53.3	52.4
Critical Years (16%)	54.7	52.8	47.9	46.7	47.1	48.5	50.2	50.8	53.2	55.7	57.6	57.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-7 c. Clear Creek at Igo, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.1	0.0	0.1	-0.1	-0.1	-0.1	-0.3	2.1	0.6	0.7	0.1
20% Exceedance	0.0	-0.2	-0.1	0.0	0.0	-0.1	-0.0	-0.5	1.1	1.0	0.6	0.3
30% Exceedance	0.2	-0.2	0.1	0.1	-0.0	-0.2	-0.1	-0.4	1.0	0.9	0.6	0.3
40% Exceedance	0.1	-0.2	-0.0	0.1	0.0	-0.3	-0.1	-0.6	1.0	1.0	0.7	0.2
50% Exceedance	0.2	-0.1	-0.0	-0.0	0.0	-0.2	-0.0	-0.6	0.9	0.9	0.9	0.1
60% Exceedance	0.3	-0.0	-0.1	-0.0	0.0	-0.4	-0.1	-0.6	0.8	0.9	0.7	0.3
70% Exceedance	0.3	-0.2	-0.1	-0.1	0.1	-0.3	-0.2	-0.5	0.9	1.0	0.8	0.3
80% Exceedance	0.2	-0.0	-0.0	-0.1	0.1	-0.4	-0.1	-0.6	0.7	1.0	0.7	0.1
90% Exceedance	0.1	0.0	-0.0	0.0	0.0	-0.3	0.1	-0.8	0.7	1.0	0.6	0.1
Full Simulation Period Average^a	0.3	-0.2	-0.0	-0.0	0.0	-0.3	-0.1	-0.5	1.2	1.2	1.0	0.5
Wet Years (28%)	0.4	0.0	-0.0	-0.1	0.1	-0.3	-0.1	-0.4	1.6	1.2	0.9	0.3
Above Normal Years (14%)	0.2	-0.1	-0.1	-0.1	0.0	-0.4	-0.1	-0.9	0.7	0.5	0.6	0.2
Below Normal Years (18%)	0.0	-0.4	-0.1	0.1	0.0	-0.3	-0.1	-0.6	0.8	1.0	0.6	0.2
Dry Years (24%)	0.1	-0.1	0.1	0.1	-0.0	-0.2	-0.1	-0.4	1.0	1.1	0.7	0.1
Critical Years (16%)	0.9	-0.6	-0.0	0.1	0.0	-0.1	-0.0	-0.6	1.5	1.9	2.1	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-8 a. Clear Creek at Igo, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.0	52.0	48.8	46.8	47.2	48.5	50.2	51.4	52.2	54.3	54.0	54.1
20% Exceedance	52.3	51.5	48.3	46.5	46.7	48.1	49.7	51.1	51.5	53.5	53.4	52.9
30% Exceedance	51.6	51.0	47.8	46.1	46.4	47.8	49.4	50.6	51.1	53.2	53.0	52.3
40% Exceedance	51.1	50.6	47.5	45.7	46.0	47.5	49.1	50.4	50.5	52.9	52.6	51.9
50% Exceedance	50.5	49.9	47.3	45.6	45.7	47.2	48.7	50.0	50.3	52.7	52.1	51.6
60% Exceedance	50.1	49.6	47.0	45.3	45.6	47.1	48.5	49.8	50.2	52.5	51.8	51.1
70% Exceedance	49.8	49.2	46.8	45.1	45.0	46.8	48.3	49.5	49.9	51.9	51.5	50.9
80% Exceedance	49.4	48.6	46.5	44.9	44.9	46.4	47.8	49.1	49.5	51.5	51.2	50.7
90% Exceedance	49.1	47.9	46.0	44.6	44.5	46.0	47.4	48.7	48.9	51.2	50.8	50.3
Full Simulation Period Average^a	50.9	50.3	47.4	45.7	45.9	47.3	48.8	50.1	50.7	52.8	52.7	52.4
Wet Years (28%)	49.4	48.6	46.7	45.4	45.3	46.6	47.9	49.6	50.3	52.3	52.0	51.1
Above Normal Years (14%)	49.8	48.8	46.7	45.6	45.4	46.9	48.3	50.1	50.5	52.8	51.5	50.7
Below Normal Years (18%)	50.9	50.5	47.6	45.2	45.5	47.2	48.8	50.0	50.5	52.7	52.2	52.9
Dry Years (24%)	51.5	50.8	47.9	45.8	46.3	47.7	49.3	50.2	50.5	52.7	52.6	52.2
Critical Years (16%)	53.9	53.4	47.9	46.6	47.1	48.5	50.2	51.4	51.7	53.8	55.5	55.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-8 b. Clear Creek at Igo, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	53.2	51.9	48.8	46.9	47.3	48.5	50.1	51.6	54.6	55.0	54.6	54.0
20% Exceedance	52.5	51.4	48.3	46.5	46.7	48.0	49.7	50.6	52.6	54.6	54.1	53.2
30% Exceedance	51.8	50.9	47.8	46.1	46.4	47.6	49.4	50.2	52.0	54.2	53.7	52.6
40% Exceedance	51.3	50.4	47.5	45.9	46.1	47.3	49.1	49.9	51.7	53.9	53.4	52.2
50% Exceedance	50.6	50.0	47.2	45.6	45.8	47.0	48.8	49.6	51.4	53.6	53.0	51.8
60% Exceedance	50.4	49.5	47.0	45.2	45.6	46.7	48.4	49.2	51.0	53.3	52.6	51.4
70% Exceedance	50.0	49.1	46.7	45.0	45.1	46.5	48.0	49.0	50.8	52.9	52.2	51.2
80% Exceedance	49.6	48.5	46.5	44.8	44.9	46.0	47.8	48.5	50.3	52.6	51.9	50.8
90% Exceedance	49.3	48.0	46.0	44.6	44.6	45.6	47.2	47.8	49.6	52.2	51.4	50.5
Full Simulation Period Average^a	51.2	50.1	47.4	45.7	45.9	47.1	48.8	49.6	51.7	54.0	53.7	52.5
Wet Years (28%)	49.6	48.6	46.7	45.3	45.3	46.3	47.8	49.1	51.3	53.4	52.9	51.4
Above Normal Years (14%)	50.0	48.8	46.7	45.6	45.5	46.5	48.2	49.1	51.2	53.3	52.1	50.9
Below Normal Years (18%)	51.0	50.2	47.8	45.3	45.5	46.9	48.7	49.6	51.4	54.0	52.9	51.7
Dry Years (24%)	51.6	50.7	48.0	45.9	46.2	47.5	49.2	49.7	51.4	53.8	53.3	52.3
Critical Years (16%)	54.9	52.9	47.9	46.7	47.1	48.5	50.4	51.0	53.3	55.8	57.7	57.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-5-8 c. Clear Creek at Igo, Action 5 Minus NAA, Monthly Temperature (DEG-F)

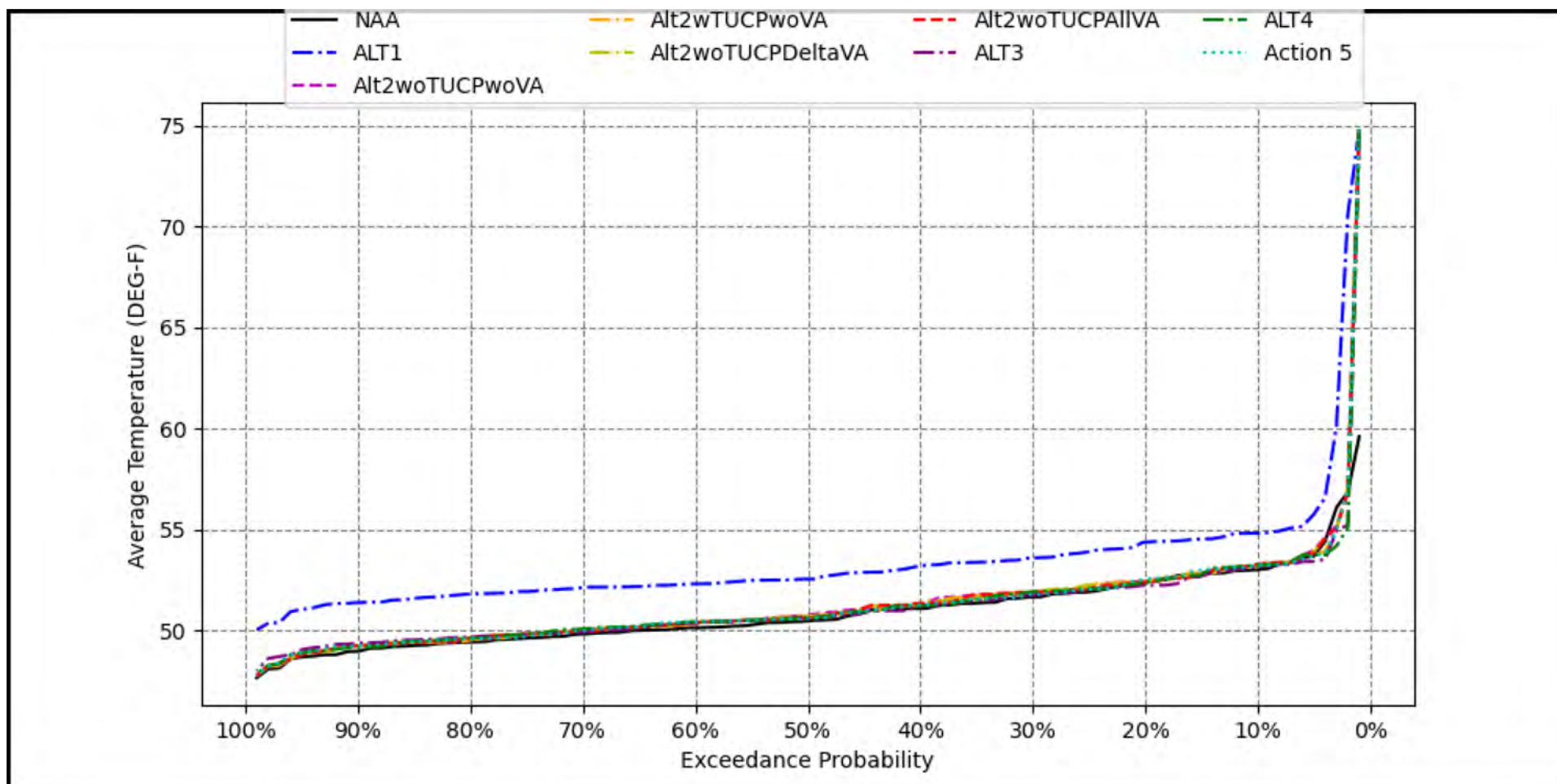
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.0	-0.0	0.1	0.0	0.0	-0.1	0.2	2.3	0.7	0.6	-0.1
20% Exceedance	0.2	-0.1	-0.0	0.0	0.0	-0.1	-0.0	-0.5	1.1	1.1	0.7	0.2
30% Exceedance	0.1	-0.2	0.0	0.0	0.0	-0.2	-0.0	-0.4	0.9	1.0	0.6	0.3
40% Exceedance	0.2	-0.2	-0.1	0.2	0.0	-0.3	0.1	-0.5	1.1	1.0	0.7	0.3
50% Exceedance	0.1	0.1	-0.1	0.0	0.0	-0.2	0.1	-0.4	1.1	0.9	0.9	0.1
60% Exceedance	0.3	-0.1	-0.1	-0.1	0.0	-0.4	-0.1	-0.6	0.8	0.8	0.8	0.3
70% Exceedance	0.2	-0.1	-0.0	-0.1	0.1	-0.3	-0.2	-0.5	0.8	1.0	0.7	0.3
80% Exceedance	0.2	-0.1	0.0	-0.1	0.1	-0.4	-0.1	-0.6	0.8	1.1	0.7	0.1
90% Exceedance	0.2	0.2	-0.0	-0.0	0.0	-0.4	-0.1	-0.9	0.6	1.0	0.6	0.2
Full Simulation Period Average^a	0.3	-0.2	0.0	0.0	0.0	-0.3	-0.1	-0.5	1.0	1.2	1.0	0.2
Wet Years (28%)	0.2	-0.0	0.0	-0.1	0.1	-0.3	-0.1	-0.5	1.0	1.2	0.9	0.3
Above Normal Years (14%)	0.2	-0.0	-0.1	-0.1	0.0	-0.4	-0.1	-1.0	0.7	0.5	0.5	0.2
Below Normal Years (18%)	0.2	-0.3	0.1	0.1	0.1	-0.3	-0.1	-0.5	0.9	1.3	0.7	-1.3
Dry Years (24%)	0.0	-0.1	0.1	0.1	-0.0	-0.2	-0.0	-0.5	0.9	1.1	0.7	0.1
Critical Years (16%)	1.0	-0.5	0.0	0.1	0.0	-0.0	0.1	-0.4	1.6	2.0	2.3	1.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

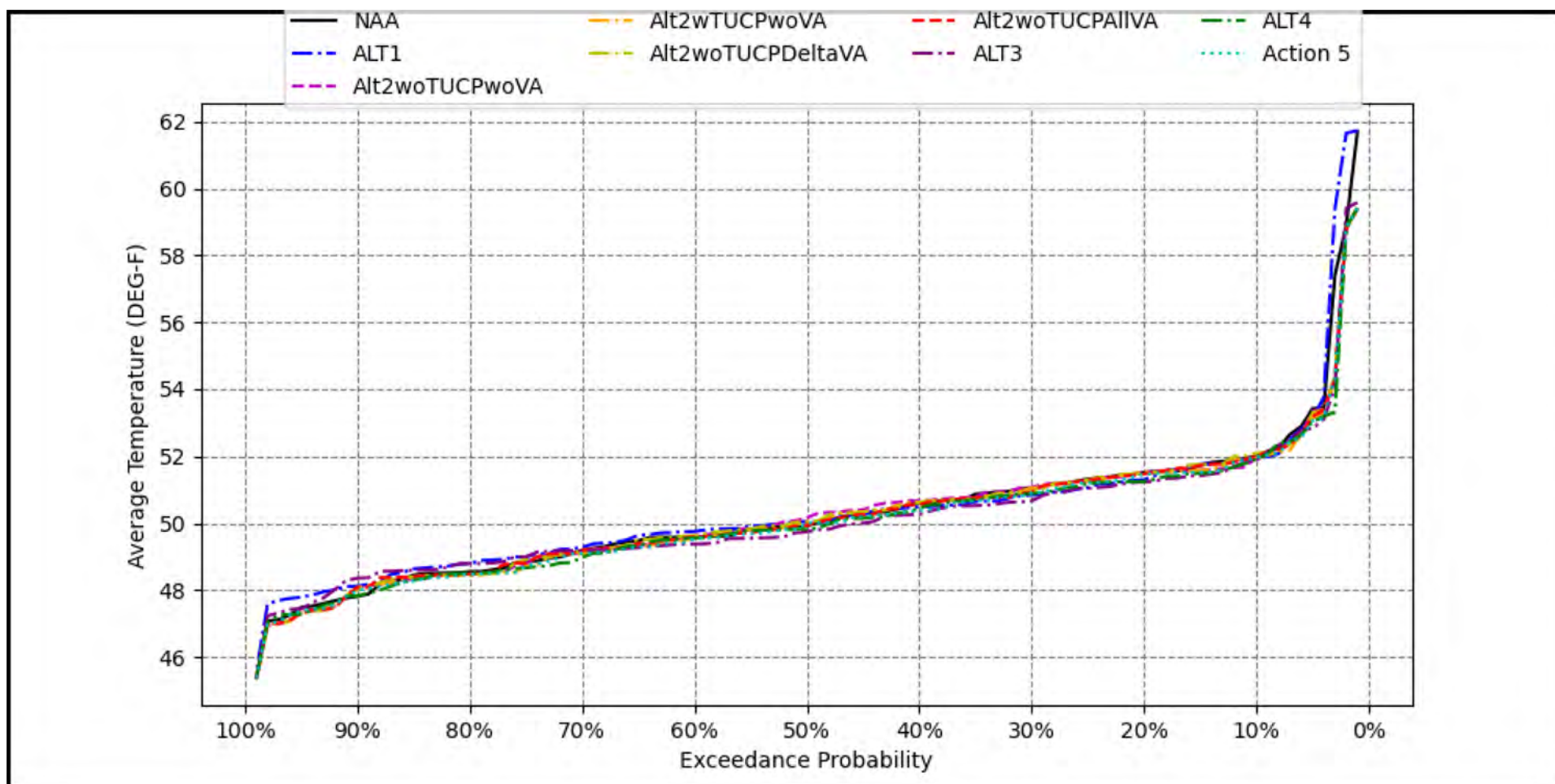
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



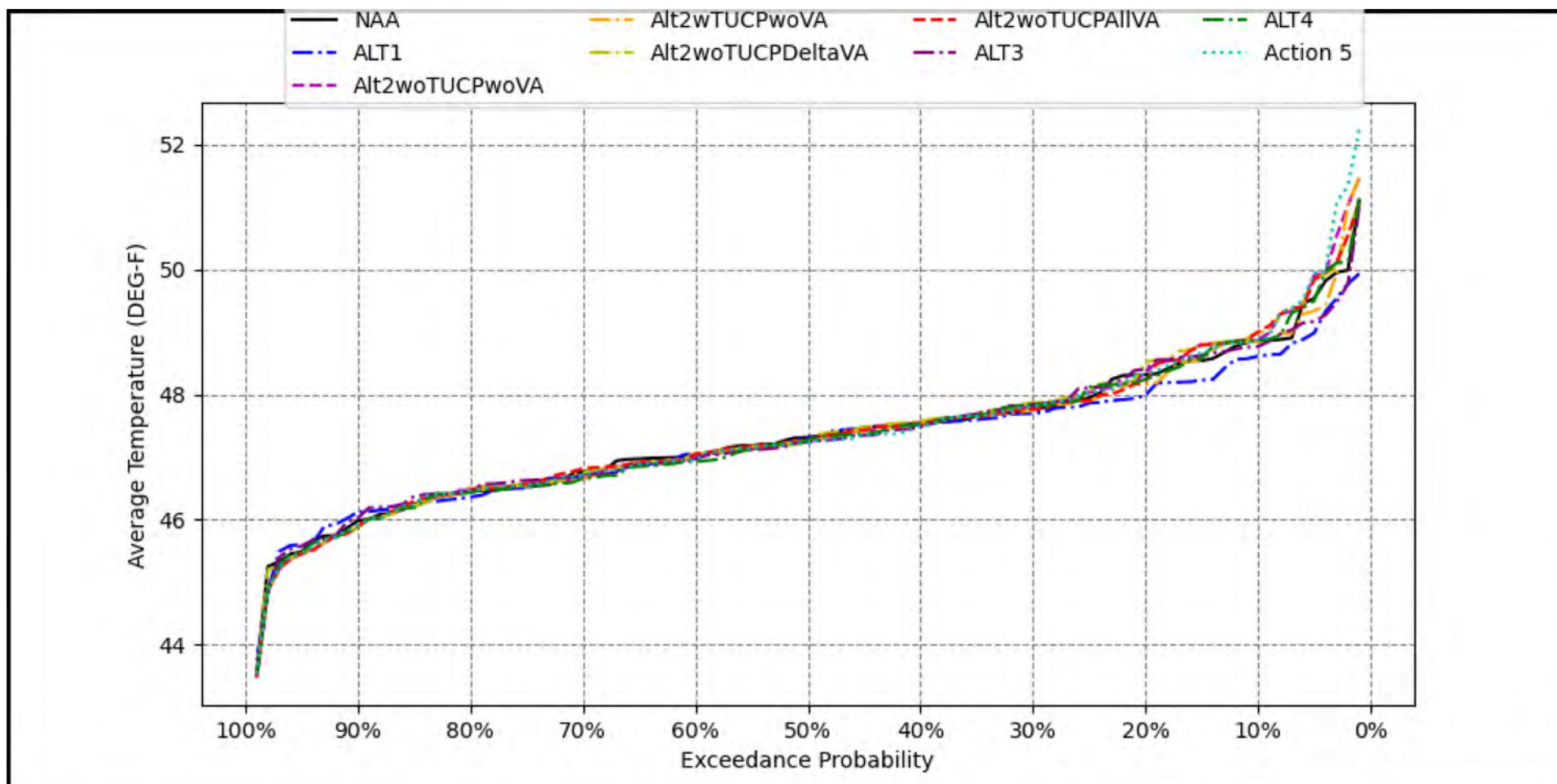
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-1 Clear Creek at Igo, October Temperature



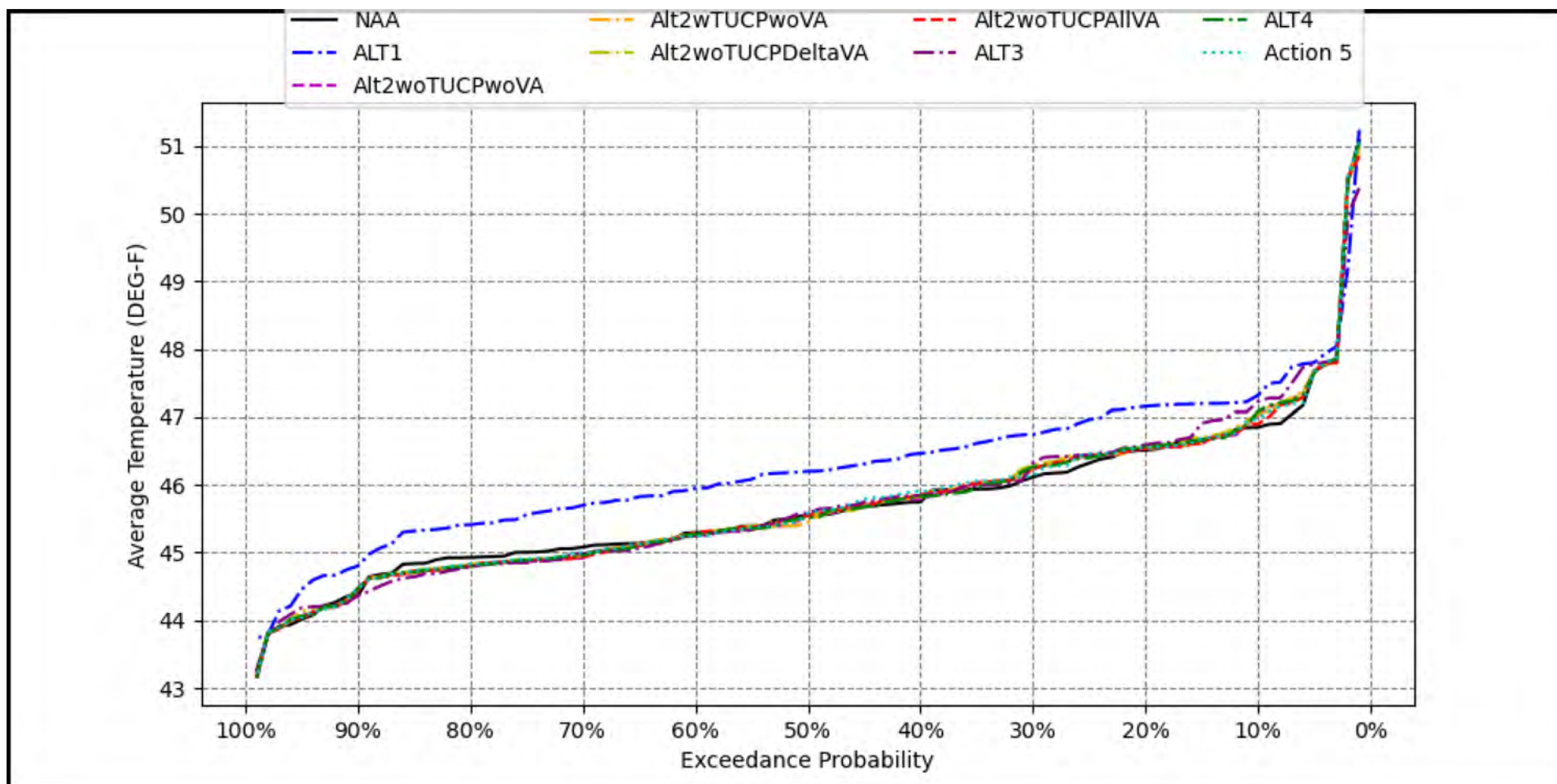
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-2 Clear Creek at Igo, November Temperature



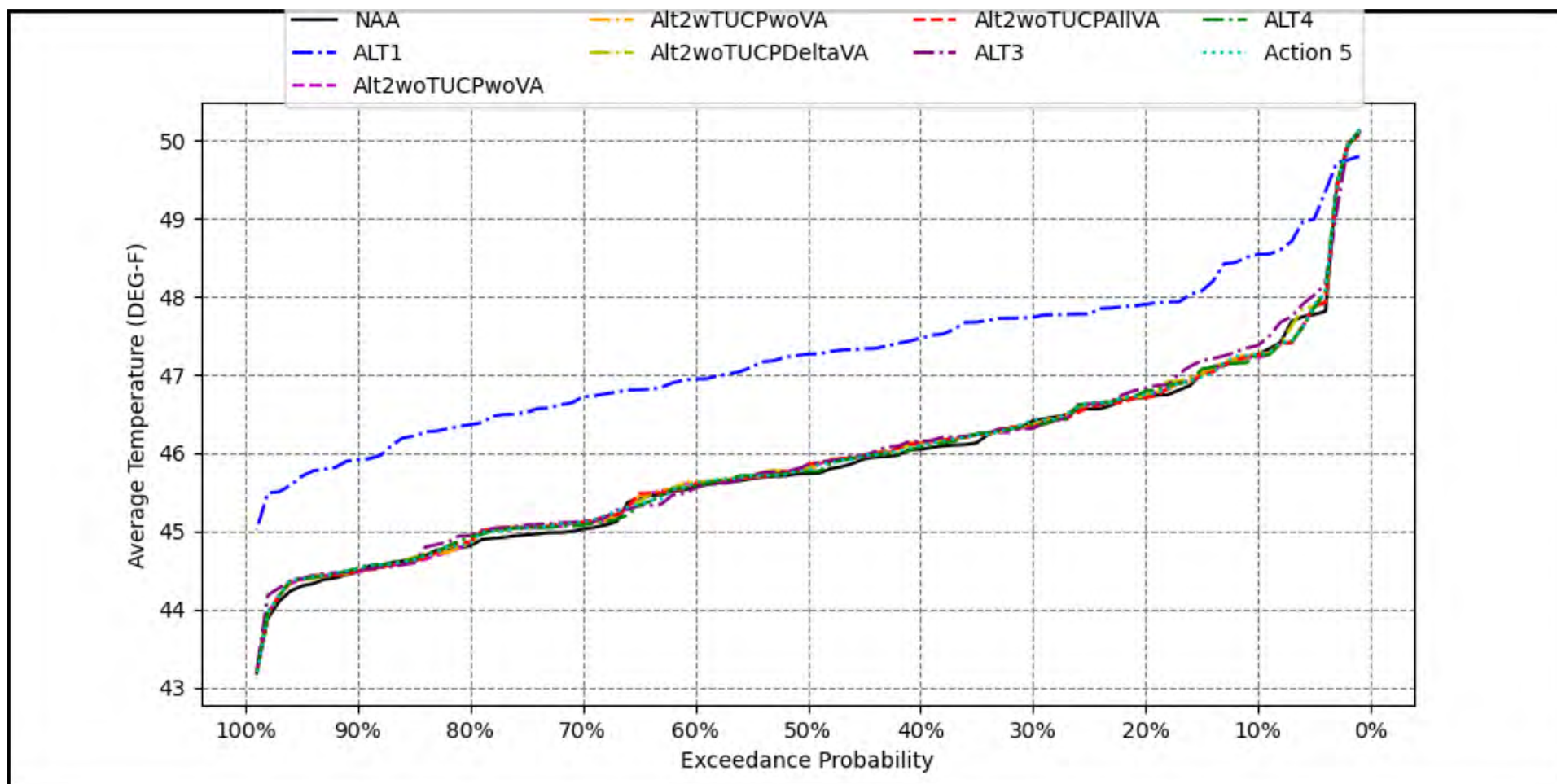
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-3 Clear Creek at Igo, December Temperature



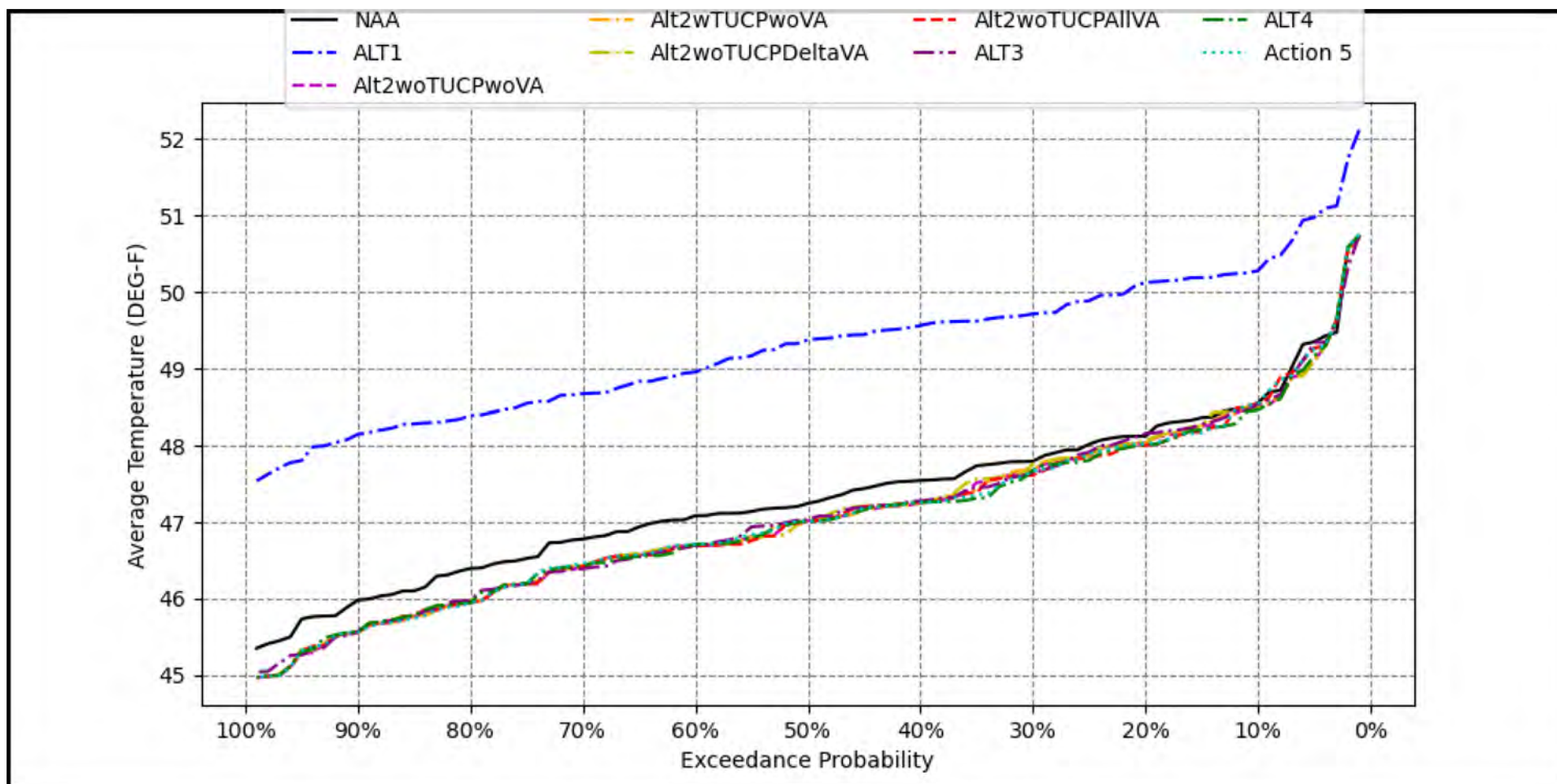
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-4 Clear Creek at Igo, January Temperature



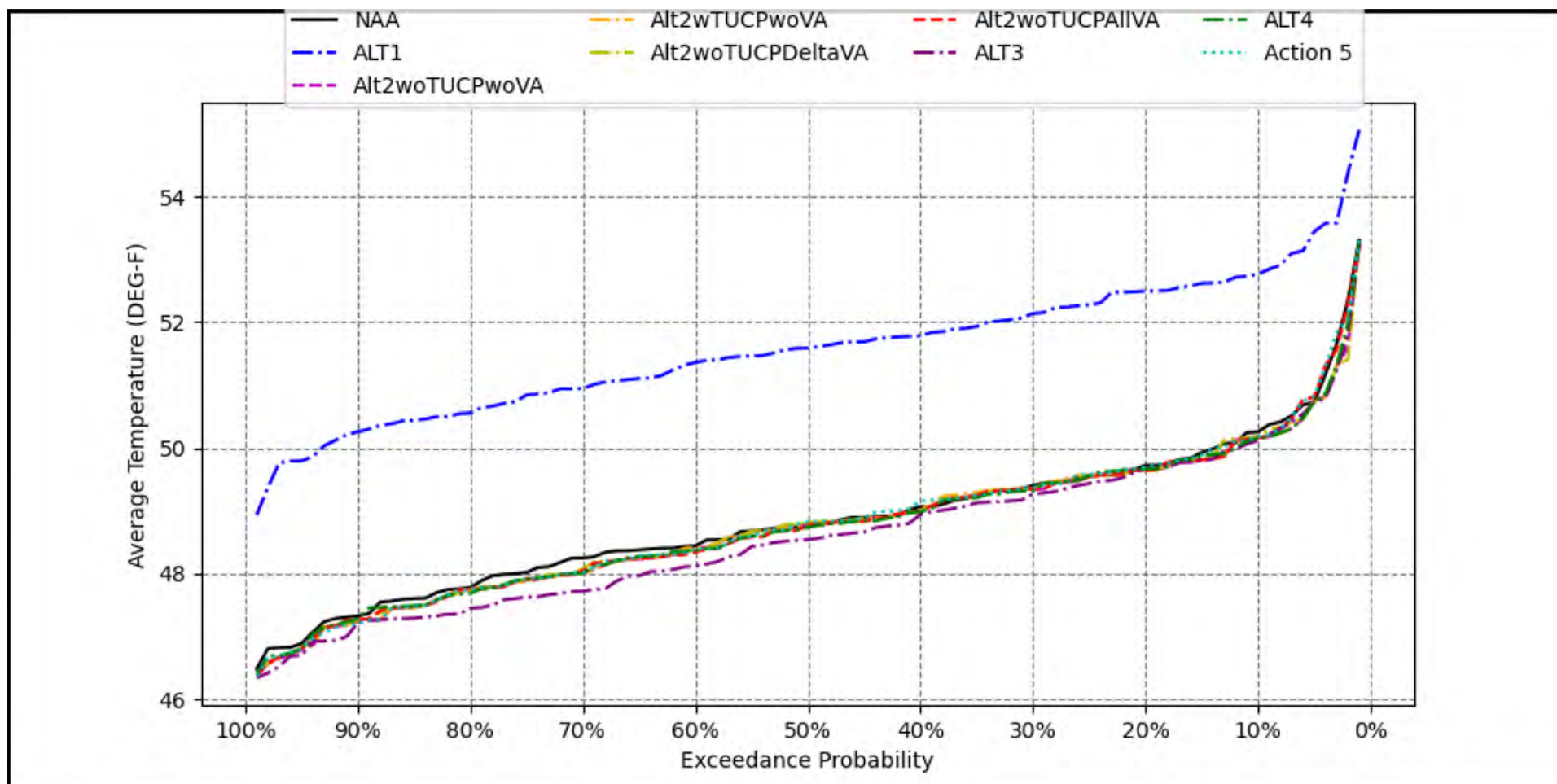
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-5 Clear Creek at Igo, February Temperature



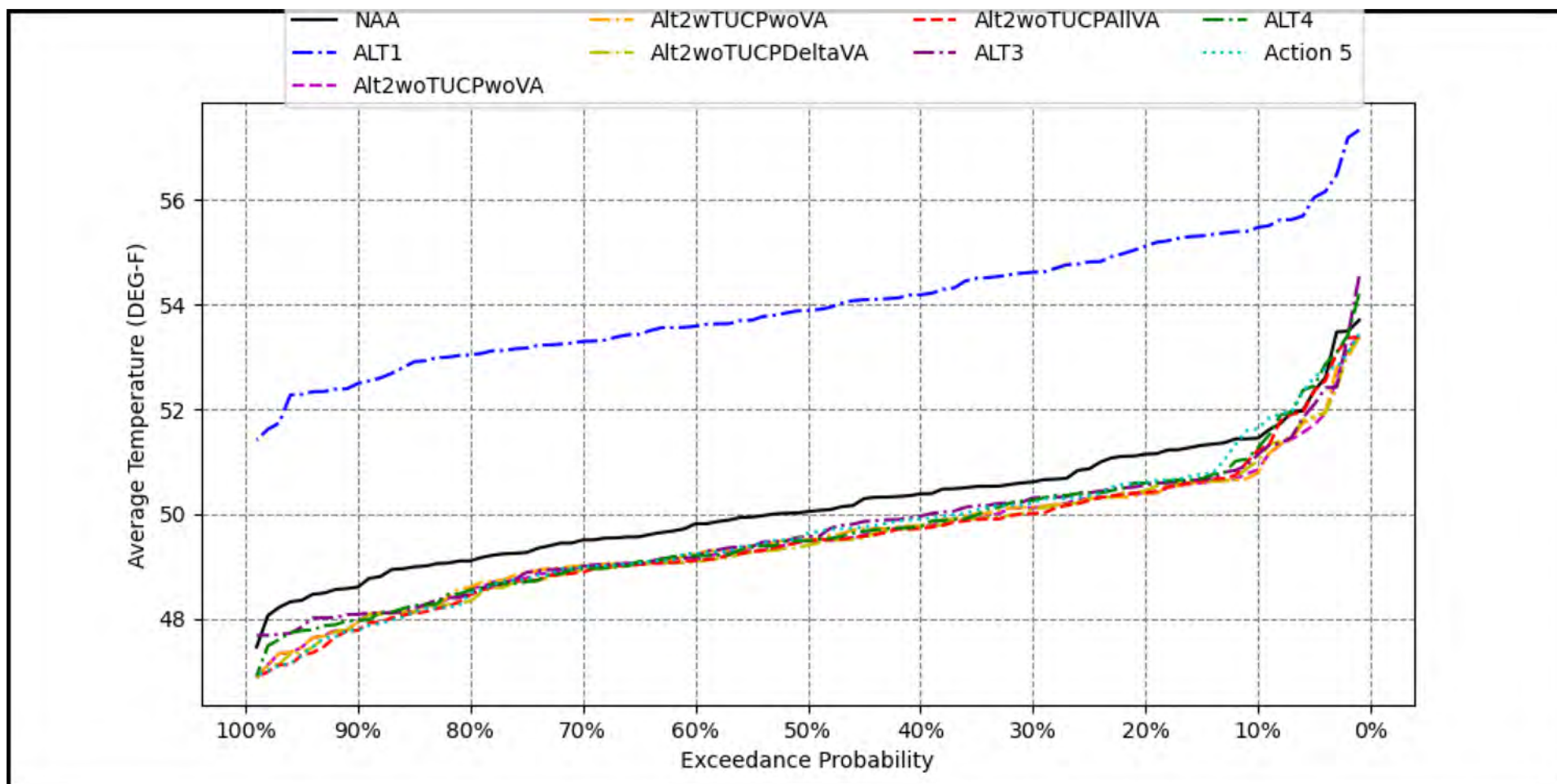
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-6 Clear Creek at Igo, March Temperature



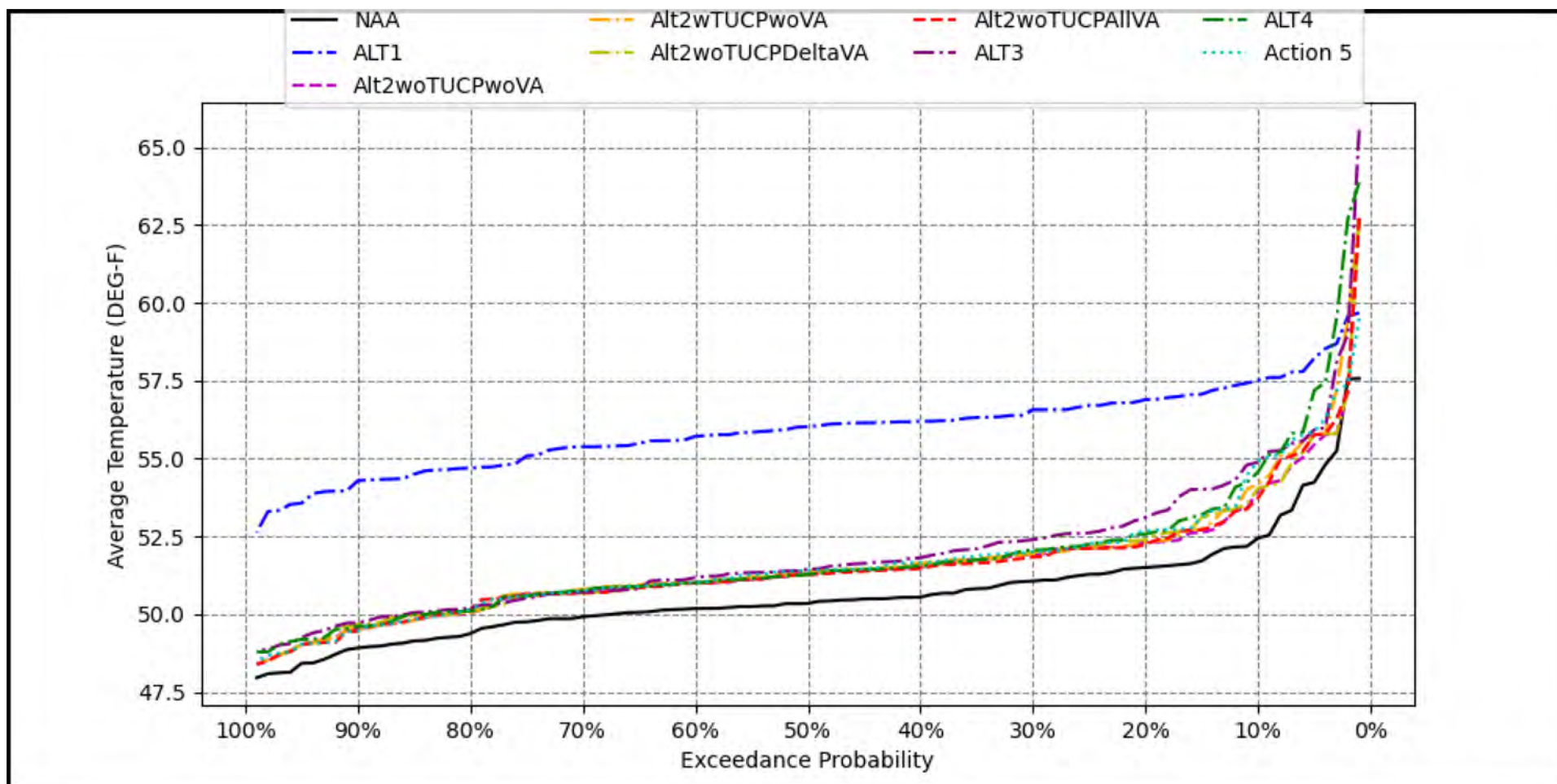
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-7 Clear Creek at Igo, April Temperature



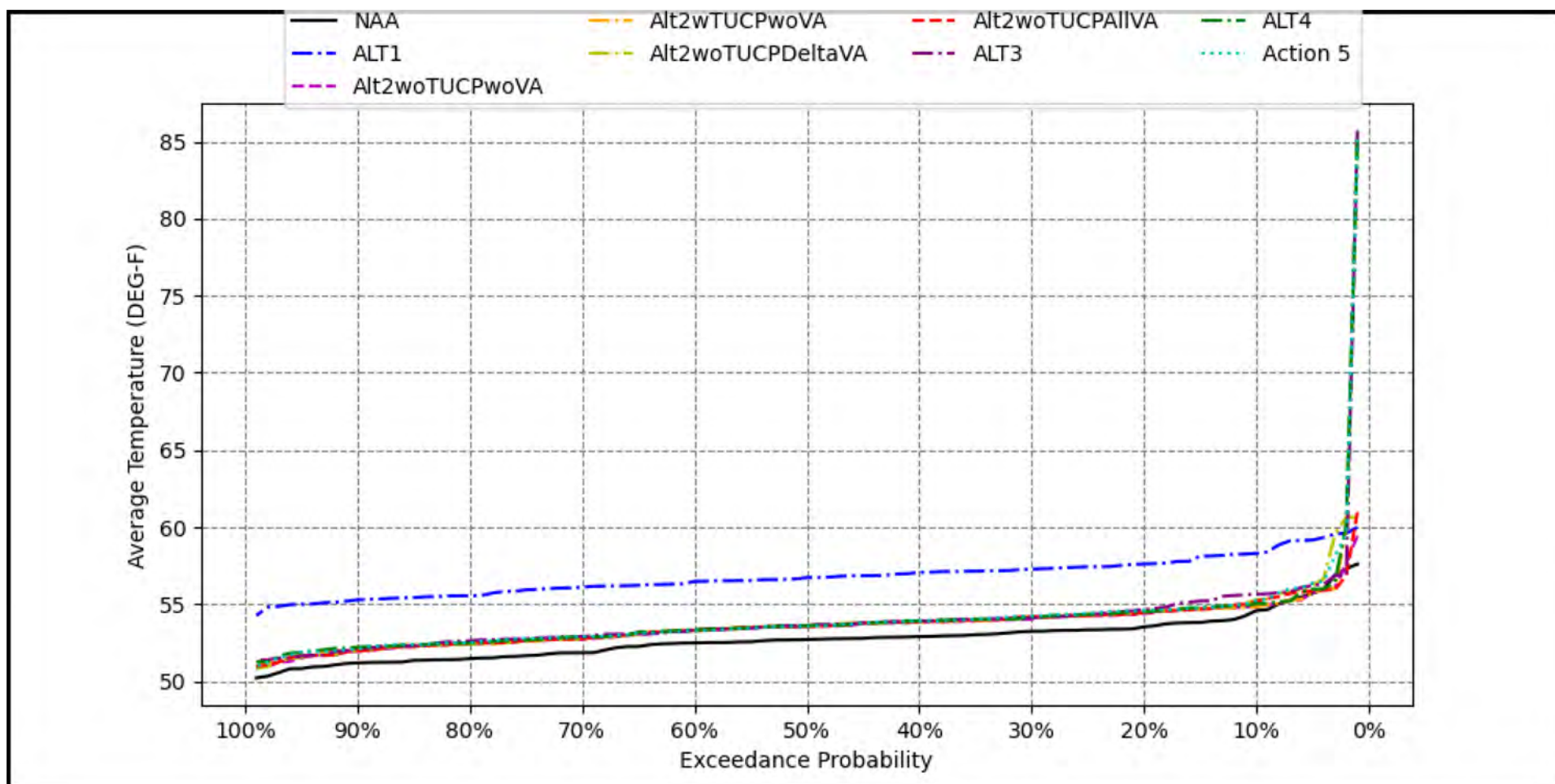
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-8 Clear Creek at Igo, May Temperature



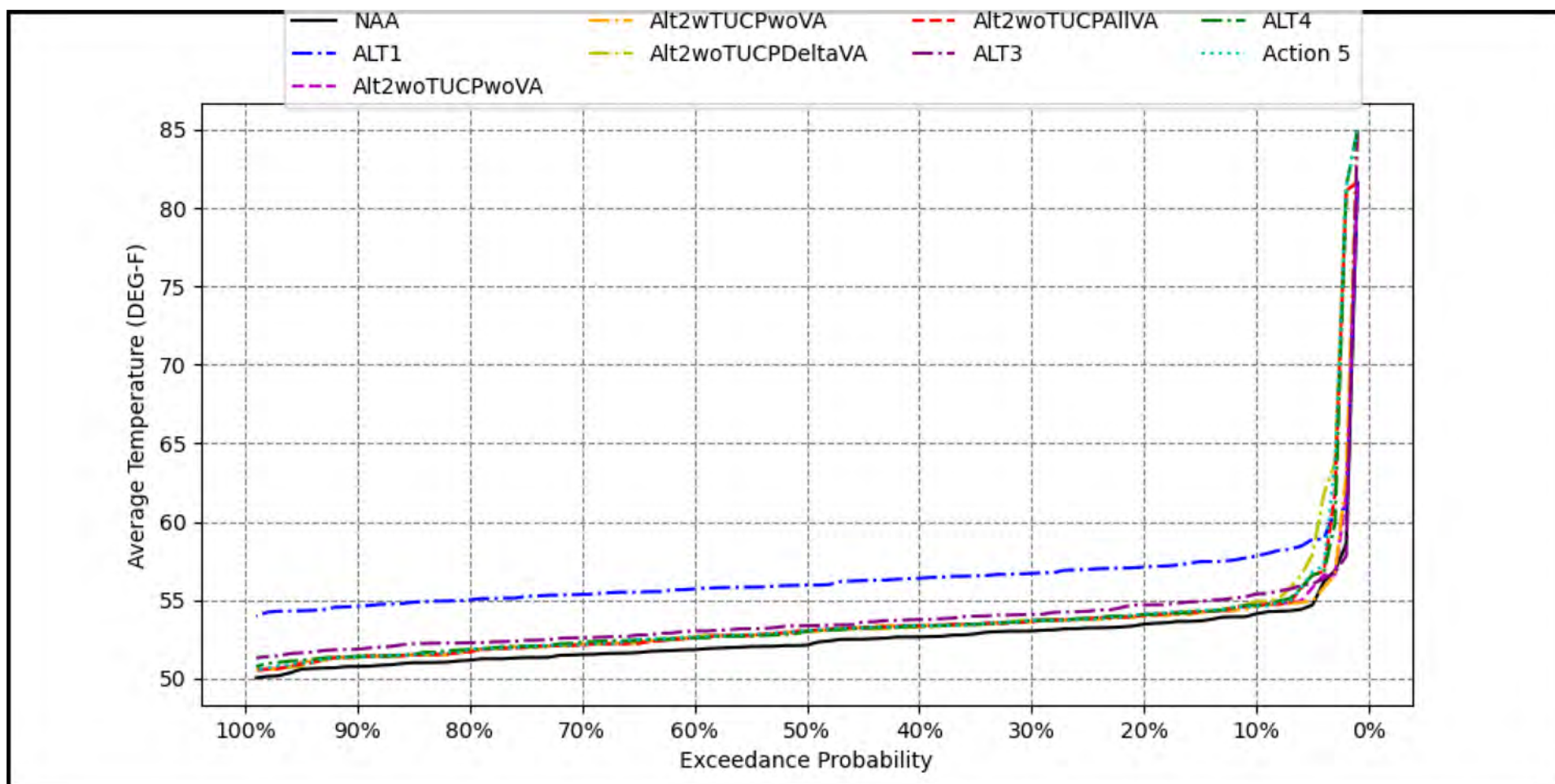
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-9 Clear Creek at Igo, June Temperature



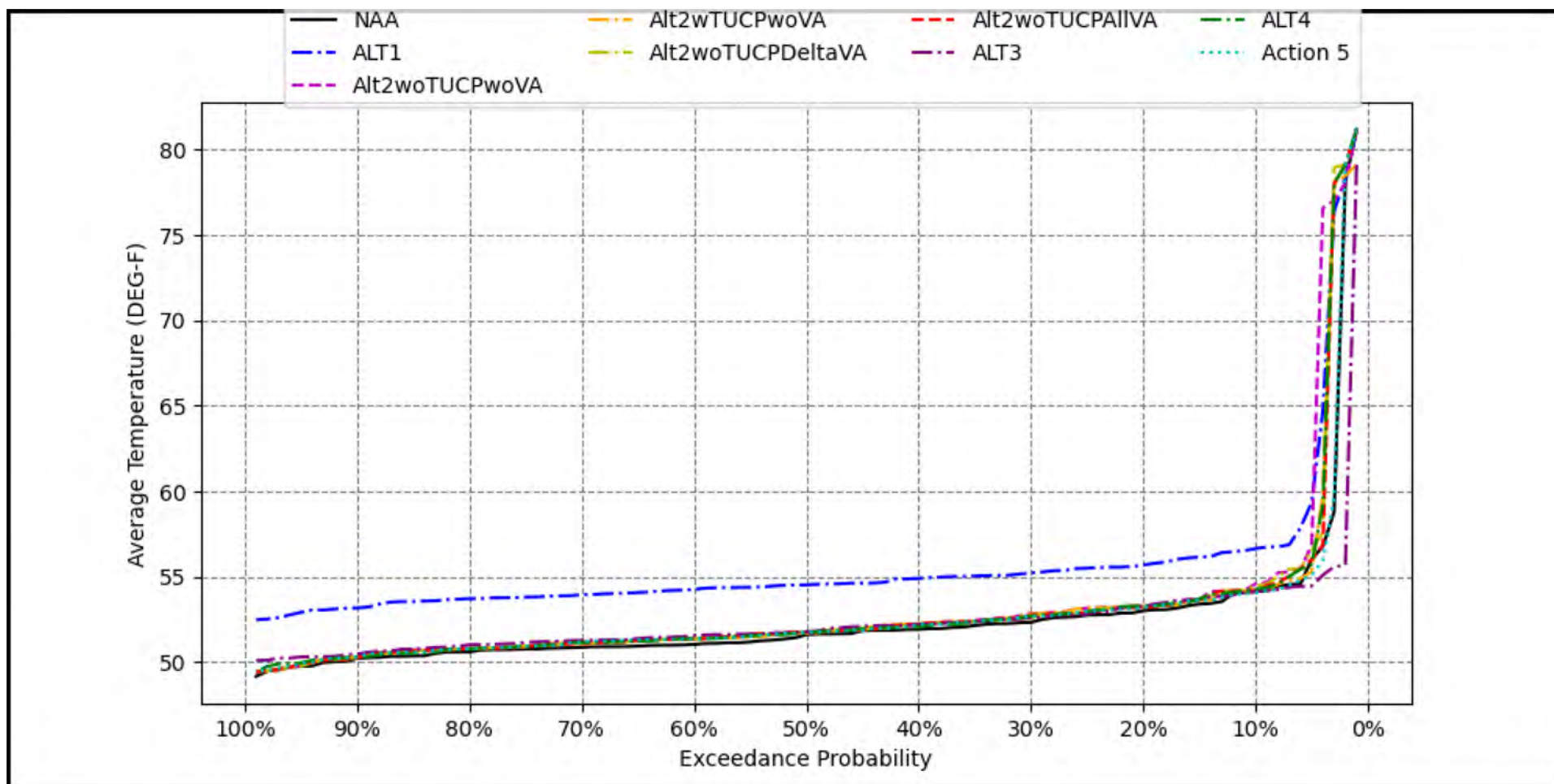
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-10 Clear Creek at Igo, July Temperature



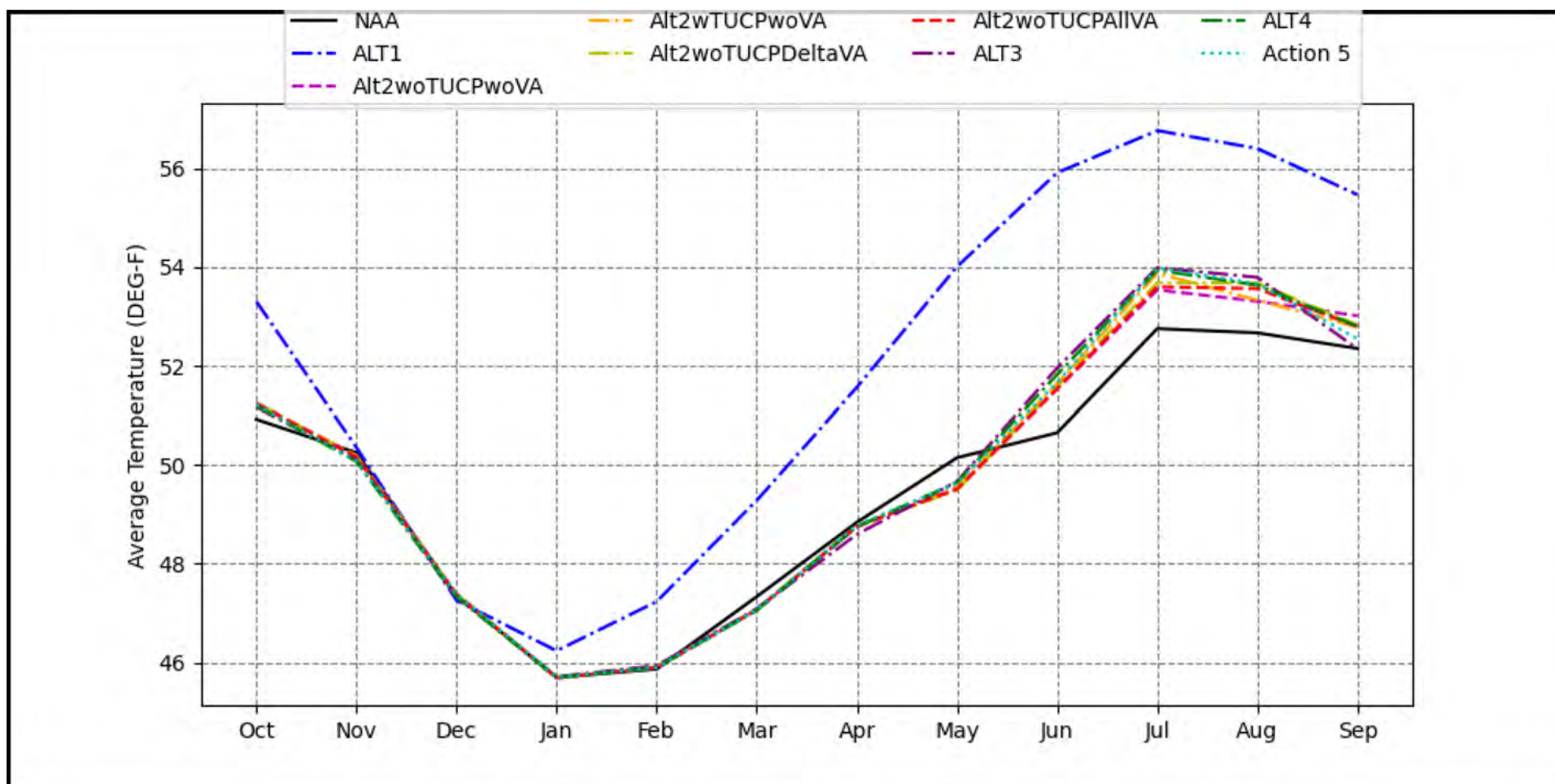
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-11 Clear Creek at Igo, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-12 Clear Creek at Igo, September Temperature

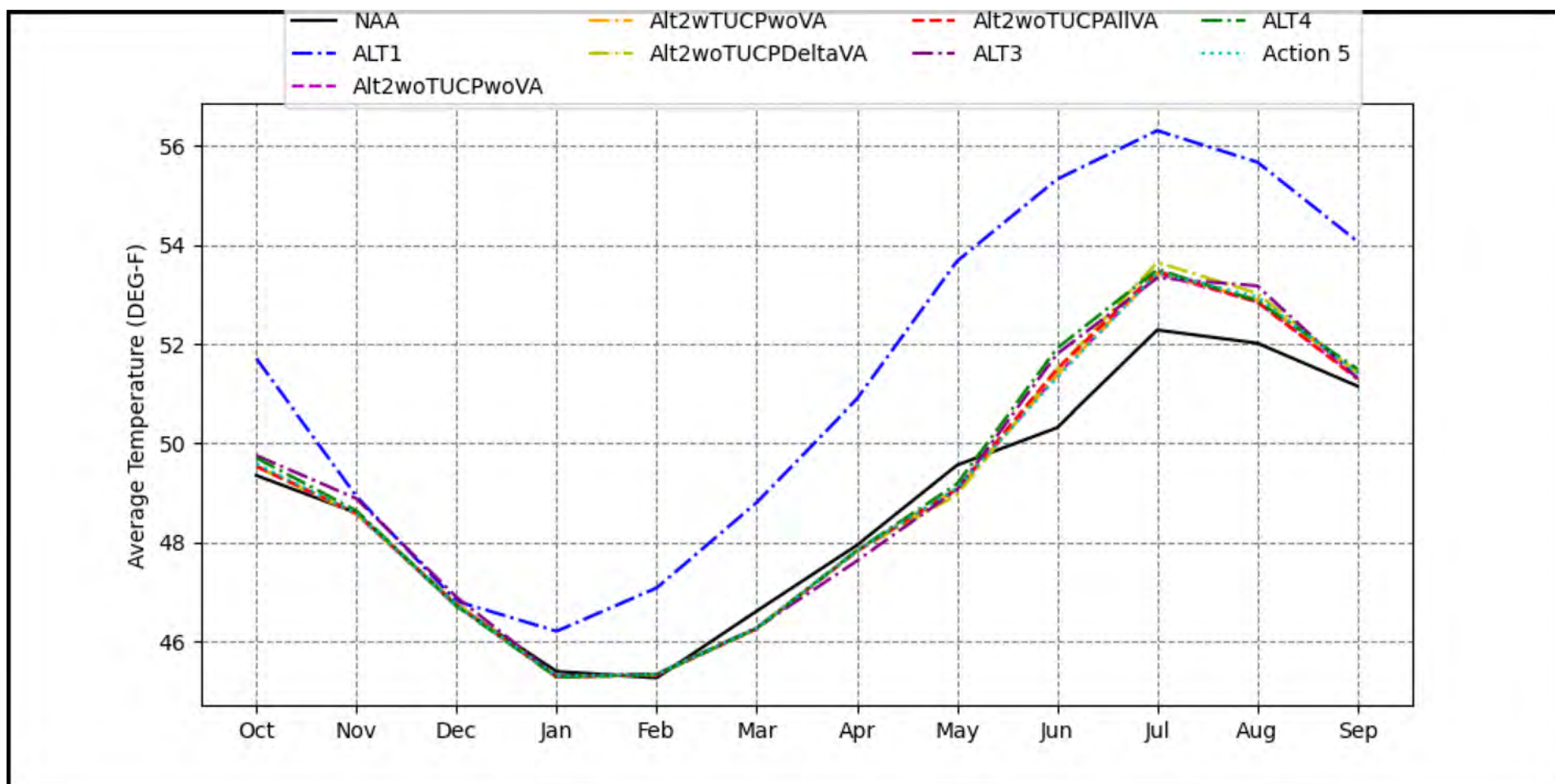


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-13 Clear Creek at Igo, Long Term Average Temperature (DEG-F)

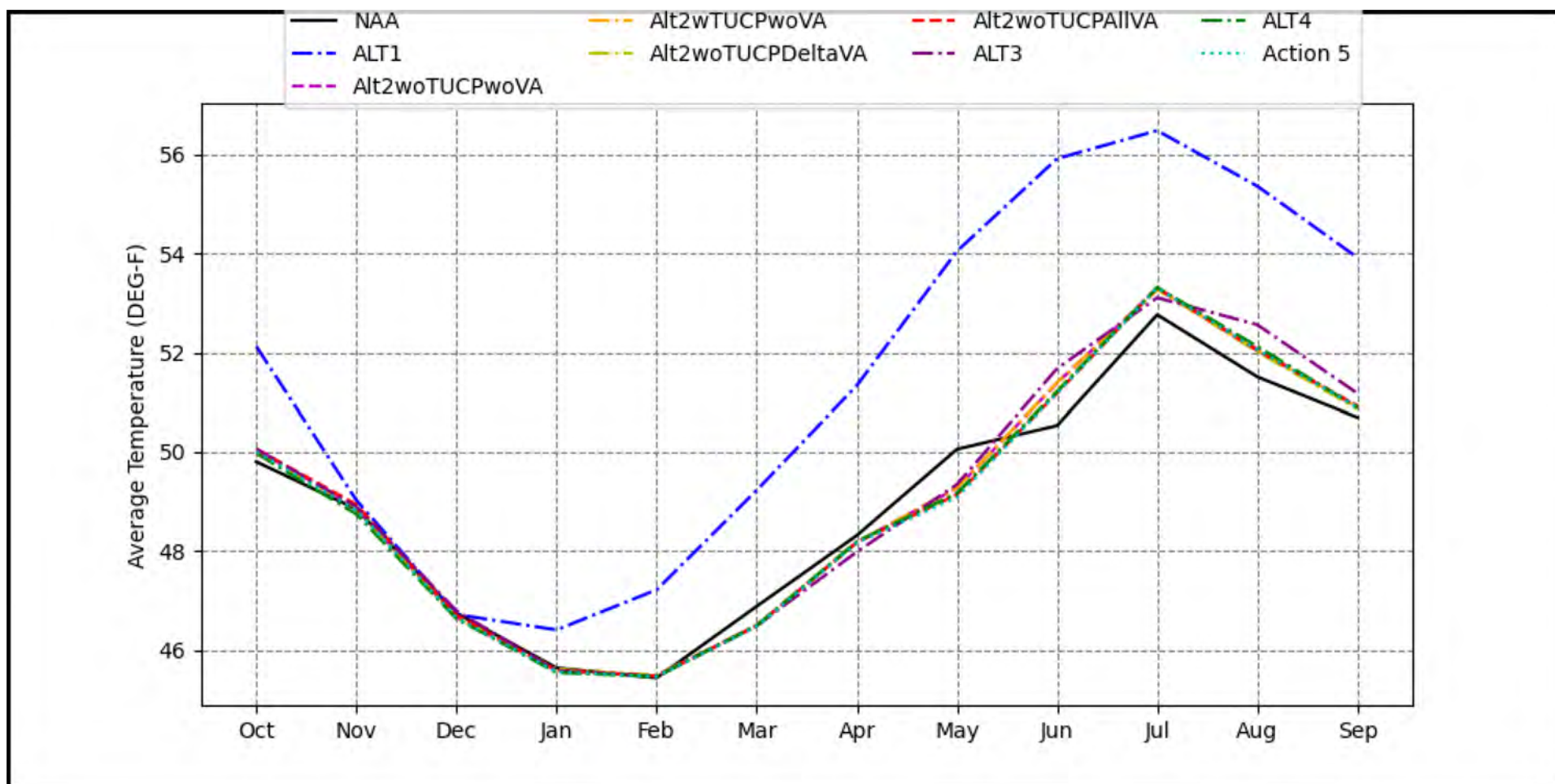


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-14 Clear Creek at Igo, Wet Year Average Temperature (DEG-F)

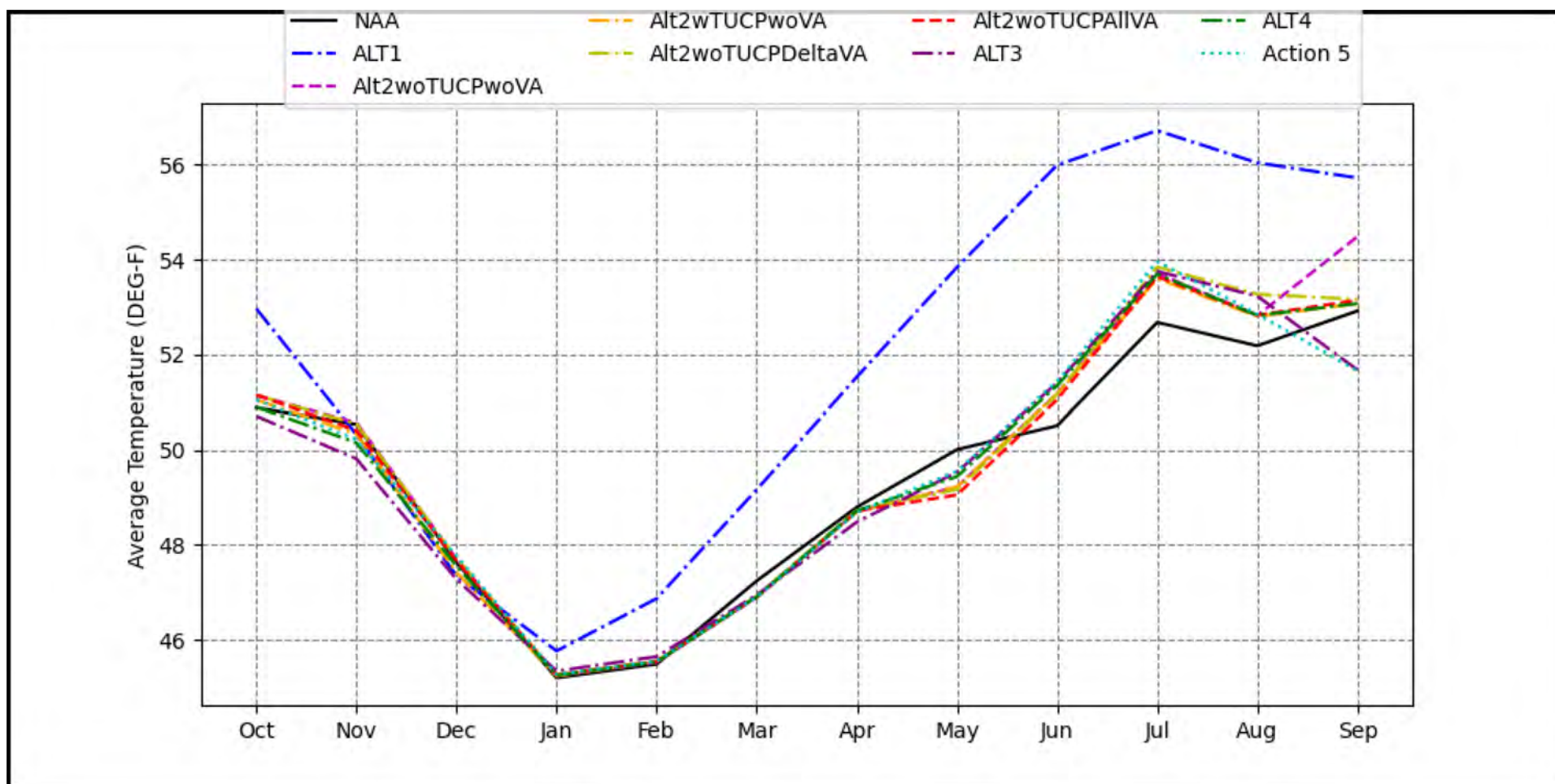


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-15 Clear Creek at Igo, Above Normal Year Average Temperature (DEG-F)

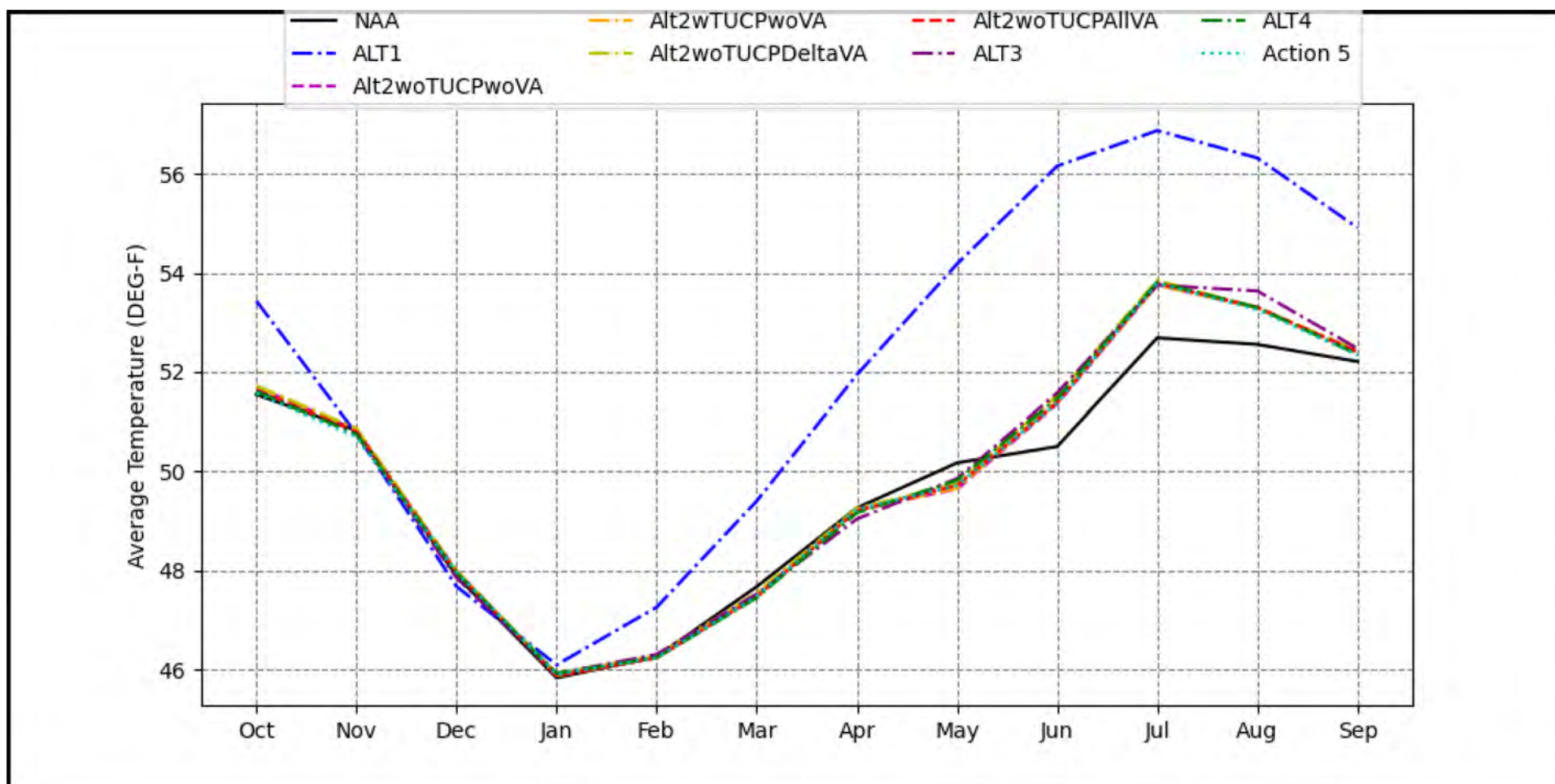


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-16 Clear Creek at Igo, Below Normal Year Average Temperature (DEG-F)

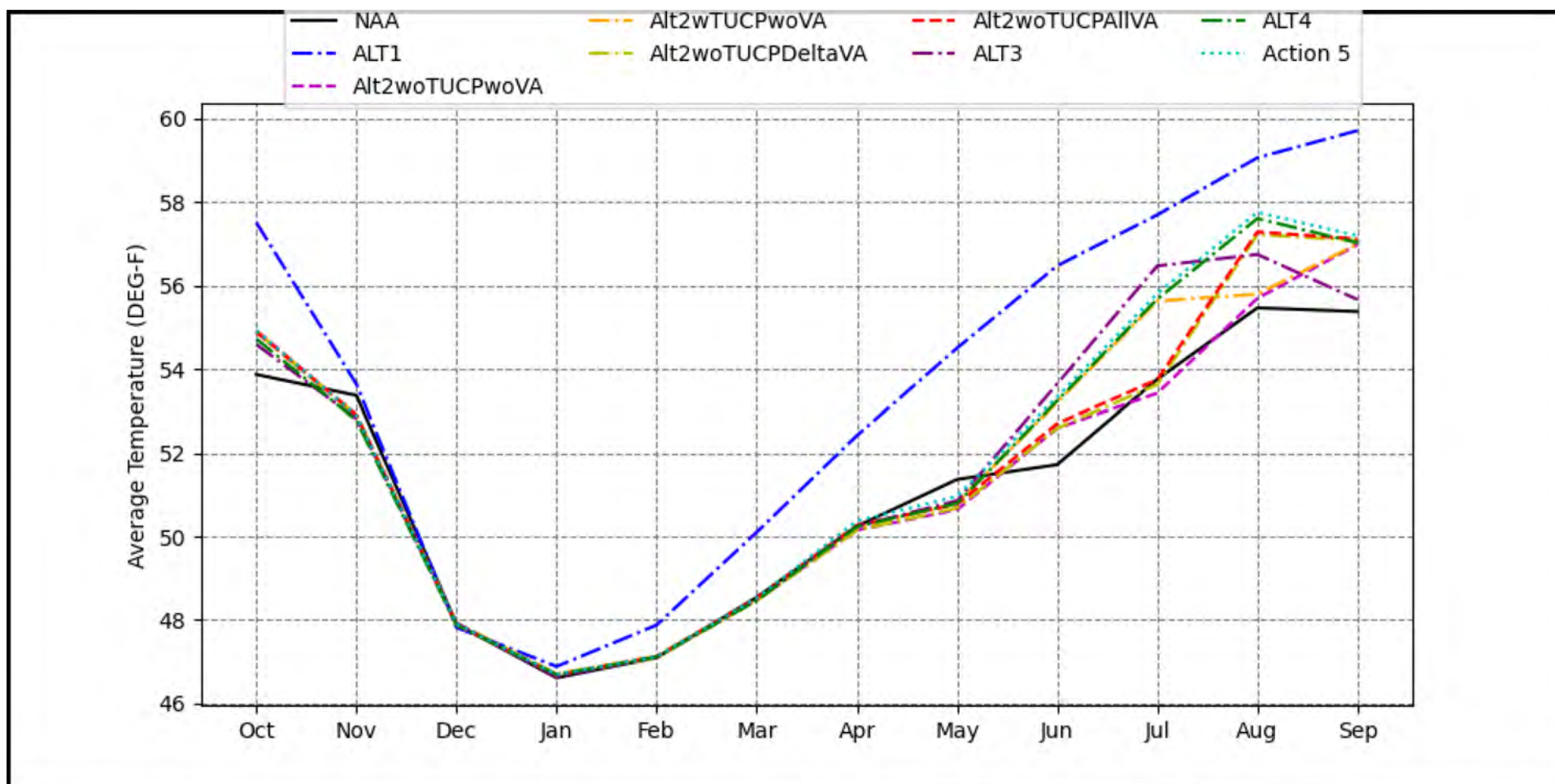


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-17 Clear Creek at Igo, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-5-18 Clear Creek at Igo, Critical Year Average Temperature (DEG-F)

F.2.11-6 Clear Creek at Mouth

Table F.2.11-6-1 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-1 b. Clear Creek at Mouth, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.2	53.1	49.1	49.1	51.1	54.5	58.3	62.5	65.7	66.7	65.2	61.8
20% Exceedance	57.3	52.4	48.7	48.6	50.6	54.2	58.1	61.9	64.8	65.7	63.9	60.8
30% Exceedance	56.9	51.8	48.4	48.2	50.3	53.7	57.5	61.5	64.1	65.2	63.3	60.5
40% Exceedance	56.4	51.4	48.1	47.8	50.0	53.4	57.1	61.0	63.7	64.8	63.0	60.0
50% Exceedance	56.1	51.1	47.9	47.6	49.6	53.0	56.8	60.5	63.3	64.4	62.6	59.7
60% Exceedance	55.8	50.8	47.6	47.4	49.4	52.7	56.3	60.1	63.0	63.8	62.1	59.3
70% Exceedance	55.5	50.3	47.3	47.0	49.0	52.3	55.9	59.7	62.6	63.4	62.0	59.1
80% Exceedance	55.2	49.9	46.9	46.7	48.6	52.0	55.5	59.2	62.0	63.1	61.5	58.8
90% Exceedance	54.8	49.4	46.6	46.0	48.3	51.6	55.0	58.7	61.3	62.8	61.0	58.4
Full Simulation Period Average^a	56.6	51.4	47.9	47.6	49.7	53.1	56.7	60.6	63.4	64.5	63.0	60.5
Wet Years (28%)	55.2	50.0	47.4	47.7	49.5	52.5	55.8	60.4	62.9	64.2	62.5	59.4
Above Normal Years (14%)	55.6	50.0	47.4	47.9	49.7	53.2	56.5	60.9	63.6	64.2	61.9	59.1
Below Normal Years (18%)	56.4	51.4	47.9	47.2	49.4	53.1	56.7	60.4	63.6	64.5	62.7	60.5
Dry Years (24%)	56.7	51.7	48.2	47.4	49.7	53.1	57.2	60.7	63.6	64.4	62.8	59.9
Critical Years (16%)	60.4	54.5	48.5	48.2	50.3	53.9	57.5	60.8	63.8	65.4	65.4	64.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-1 c. Clear Creek at Mouth, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3.8	0.4	-0.0	1.7	3.1	4.5	5.9	8.3	11.1	8.6	8.1	5.6
20% Exceedance	3.9	0.4	0.1	1.5	3.1	4.7	6.4	8.2	11.2	8.7	7.5	5.6
30% Exceedance	4.0	0.3	0.2	1.6	3.2	4.5	6.4	8.2	10.9	8.5	7.3	5.9
40% Exceedance	4.2	0.2	0.2	1.5	3.3	4.4	6.2	8.0	11.0	8.4	7.4	5.8
50% Exceedance	4.5	0.7	0.2	1.6	3.3	4.4	6.1	8.0	11.0	8.3	7.4	5.9
60% Exceedance	4.6	0.7	0.3	1.7	3.3	4.3	5.8	7.9	10.9	8.0	7.3	5.9
70% Exceedance	4.4	0.6	0.2	1.4	3.4	4.2	5.8	7.9	10.8	8.1	7.5	6.0
80% Exceedance	4.5	0.7	0.2	1.3	3.2	4.4	5.8	7.7	10.5	8.3	7.3	5.9
90% Exceedance	4.6	1.0	0.2	1.1	3.2	4.3	5.7	7.7	10.5	8.1	7.3	5.8
Full Simulation Period Average^a	4.4	0.5	0.2	1.4	3.2	4.4	5.9	7.9	10.8	8.2	7.4	5.9
Wet Years (28%)	4.6	0.8	0.4	1.8	3.7	4.5	6.1	8.4	10.7	8.4	7.5	5.9
Above Normal Years (14%)	4.6	0.6	0.3	1.7	3.7	4.9	6.3	8.3	11.1	8.0	7.5	6.1
Below Normal Years (18%)	4.3	0.2	-0.1	1.5	3.3	4.5	6.1	8.0	11.1	8.3	7.5	5.5
Dry Years (24%)	4.0	0.4	0.0	1.1	2.6	4.1	6.0	8.1	11.2	8.3	7.3	5.5
Critical Years (16%)	4.5	0.4	0.2	1.1	2.3	3.8	5.0	6.5	9.6	8.0	7.2	6.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-2 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-2 b. Clear Creek at Mouth, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.5	49.2	47.4	48.0	49.7	52.2	53.3	56.7	59.7	58.3	56.7
20% Exceedance	53.7	52.0	48.5	46.9	47.4	49.2	51.3	52.4	55.5	58.9	57.5	55.6
30% Exceedance	53.2	51.6	48.1	46.6	47.0	48.7	51.0	52.1	54.8	58.5	57.2	55.1
40% Exceedance	52.7	51.1	47.8	46.2	46.8	48.4	50.7	51.8	54.3	58.3	56.8	54.7
50% Exceedance	52.1	50.6	47.7	45.9	46.5	48.1	50.3	51.4	53.9	57.9	56.5	54.3
60% Exceedance	51.7	50.1	47.3	45.6	46.2	47.8	50.0	51.1	53.5	57.6	56.2	53.9
70% Exceedance	51.4	49.7	46.9	45.4	45.8	47.5	49.7	50.7	53.4	56.9	55.7	53.5
80% Exceedance	51.0	49.1	46.7	45.2	45.6	47.1	49.3	50.4	52.9	56.5	55.5	53.4
90% Exceedance	50.6	48.6	46.3	44.9	45.1	46.6	48.8	49.9	51.9	56.2	54.9	52.9
Full Simulation Period Average^a	52.6	50.7	47.6	46.1	46.6	48.2	50.4	51.5	54.2	57.9	56.9	55.4
Wet Years (28%)	50.9	49.1	47.0	45.7	46.0	47.3	49.4	51.0	53.9	58.0	56.6	53.9
Above Normal Years (14%)	51.4	49.4	46.9	46.0	46.1	47.6	49.8	51.3	54.0	57.8	55.7	53.4
Below Normal Years (18%)	52.5	51.1	47.9	45.6	46.2	48.0	50.3	51.1	53.8	58.3	56.6	56.7
Dry Years (24%)	53.0	51.3	48.2	46.2	46.9	48.6	50.9	51.5	53.9	58.2	56.9	54.8
Critical Years (16%)	56.4	53.6	48.2	47.1	48.0	49.9	52.4	52.7	55.9	56.9	58.7	59.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-2 c. Clear Creek at Mouth, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.2	0.1	0.0	-0.0	-0.2	-0.2	-1.0	2.1	1.6	1.2	0.6
20% Exceedance	0.3	0.0	-0.1	-0.1	-0.1	-0.3	-0.3	-1.3	1.9	1.9	1.1	0.4
30% Exceedance	0.4	0.1	-0.1	-0.0	-0.1	-0.5	-0.2	-1.1	1.5	1.8	1.2	0.5
40% Exceedance	0.5	0.0	-0.1	-0.2	0.0	-0.6	-0.1	-1.2	1.6	1.9	1.3	0.5
50% Exceedance	0.5	0.2	-0.0	-0.0	0.1	-0.6	-0.3	-1.0	1.5	1.9	1.3	0.5
60% Exceedance	0.4	-0.0	-0.1	-0.1	0.1	-0.6	-0.4	-1.1	1.4	1.7	1.4	0.5
70% Exceedance	0.3	-0.1	-0.2	-0.3	0.2	-0.6	-0.4	-1.1	1.5	1.6	1.2	0.4
80% Exceedance	0.4	-0.1	0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.3	1.7	1.3	0.5
90% Exceedance	0.4	0.2	-0.1	0.0	0.1	-0.7	-0.4	-1.1	1.1	1.6	1.1	0.3
Full Simulation Period Average^a	0.4	-0.1	-0.0	-0.1	0.1	-0.5	-0.3	-1.2	1.6	1.7	1.3	0.8
Wet Years (28%)	0.4	-0.1	-0.1	-0.2	0.2	-0.6	-0.3	-1.0	1.7	2.2	1.6	0.4
Above Normal Years (14%)	0.4	-0.0	-0.2	-0.2	0.1	-0.7	-0.4	-1.3	1.5	1.6	1.3	0.4
Below Normal Years (18%)	0.4	-0.0	0.0	-0.1	0.1	-0.6	-0.3	-1.2	1.3	2.1	1.4	1.7
Dry Years (24%)	0.3	-0.0	0.0	-0.1	-0.1	-0.4	-0.3	-1.0	1.5	2.1	1.4	0.4
Critical Years (16%)	0.6	-0.6	-0.0	0.0	-0.1	-0.2	-0.1	-1.6	1.8	-0.5	0.5	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-3 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-3 b. Clear Creek at Mouth, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.5	49.1	47.4	48.0	49.7	52.2	53.2	57.0	59.7	58.1	56.4
20% Exceedance	53.8	52.0	48.5	46.9	47.4	49.2	51.4	52.4	55.4	59.0	57.5	55.6
30% Exceedance	53.2	51.5	48.0	46.6	47.1	48.8	51.0	52.1	54.8	58.6	57.1	55.1
40% Exceedance	52.5	51.1	47.8	46.2	46.8	48.4	50.7	51.8	54.3	58.3	56.8	54.6
50% Exceedance	52.1	50.6	47.7	45.9	46.5	48.1	50.3	51.5	54.0	58.0	56.4	54.3
60% Exceedance	51.7	50.1	47.3	45.6	46.2	47.8	50.0	51.1	53.5	57.6	56.2	53.8
70% Exceedance	51.4	49.6	47.0	45.4	45.8	47.5	49.7	50.8	53.4	57.0	55.7	53.6
80% Exceedance	51.0	49.0	46.7	45.2	45.6	47.1	49.3	50.5	52.9	56.6	55.5	53.4
90% Exceedance	50.6	48.6	46.3	44.9	45.1	46.6	48.8	49.9	51.9	56.3	55.0	52.8
Full Simulation Period Average^a	52.6	50.7	47.6	46.1	46.6	48.2	50.5	51.5	54.4	58.2	56.9	55.2
Wet Years (28%)	50.9	49.1	47.0	45.7	46.0	47.3	49.4	51.0	53.9	58.1	56.7	54.0
Above Normal Years (14%)	51.4	49.4	46.9	46.0	46.1	47.6	49.8	51.3	54.0	57.8	55.7	53.4
Below Normal Years (18%)	52.4	50.8	47.6	45.6	46.2	48.0	50.3	51.1	53.8	58.2	56.5	55.4
Dry Years (24%)	53.0	51.3	48.2	46.2	46.9	48.6	50.9	51.6	54.0	58.2	56.9	54.8
Critical Years (16%)	56.3	53.6	48.3	47.1	48.0	49.9	52.4	52.8	56.9	59.0	58.5	58.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-3 c. Clear Creek at Mouth, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.2	-0.0	0.0	-0.0	-0.2	-0.2	-1.0	2.4	1.6	1.0	0.2
20% Exceedance	0.3	-0.0	-0.2	-0.1	-0.1	-0.3	-0.3	-1.3	1.8	2.0	1.1	0.4
30% Exceedance	0.3	-0.1	-0.2	-0.0	-0.1	-0.5	-0.2	-1.1	1.6	1.9	1.1	0.5
40% Exceedance	0.3	-0.0	-0.1	-0.2	0.0	-0.6	-0.1	-1.2	1.6	2.0	1.3	0.5
50% Exceedance	0.5	0.2	-0.0	-0.1	0.1	-0.6	-0.3	-1.0	1.7	1.9	1.3	0.5
60% Exceedance	0.4	-0.0	-0.1	-0.1	0.1	-0.6	-0.4	-1.1	1.4	1.8	1.4	0.5
70% Exceedance	0.3	-0.1	-0.1	-0.3	0.2	-0.6	-0.4	-1.1	1.5	1.6	1.2	0.5
80% Exceedance	0.4	-0.1	0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.3	1.7	1.3	0.5
90% Exceedance	0.4	0.2	-0.1	0.0	0.1	-0.6	-0.4	-1.1	1.1	1.6	1.2	0.3
Full Simulation Period Average^a	0.4	-0.2	-0.1	-0.1	0.1	-0.5	-0.3	-1.1	1.7	2.0	1.2	0.6
Wet Years (28%)	0.4	-0.1	-0.1	-0.2	0.2	-0.6	-0.3	-1.0	1.7	2.2	1.6	0.5
Above Normal Years (14%)	0.4	-0.0	-0.2	-0.2	0.1	-0.7	-0.4	-1.3	1.5	1.6	1.3	0.4
Below Normal Years (18%)	0.3	-0.3	-0.3	-0.1	0.1	-0.6	-0.3	-1.2	1.3	2.0	1.3	0.4
Dry Years (24%)	0.3	-0.0	0.0	-0.1	-0.1	-0.4	-0.3	-1.0	1.5	2.1	1.4	0.4
Critical Years (16%)	0.5	-0.6	0.0	0.0	-0.1	-0.2	-0.1	-1.4	2.7	1.5	0.3	1.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-4 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-4 b. Clear Creek at Mouth, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.6	49.2	47.3	48.0	49.7	52.2	53.1	56.7	59.9	58.4	56.7
20% Exceedance	53.8	51.9	48.7	47.0	47.4	49.2	51.3	52.5	55.6	59.0	57.6	55.6
30% Exceedance	53.1	51.4	48.1	46.7	47.0	48.8	51.1	52.1	54.8	58.6	57.2	54.9
40% Exceedance	52.7	51.1	47.8	46.2	46.8	48.4	50.7	51.7	54.3	58.3	56.8	54.6
50% Exceedance	52.0	50.6	47.7	46.0	46.5	48.1	50.3	51.3	53.9	58.0	56.4	54.3
60% Exceedance	51.7	50.1	47.3	45.6	46.2	47.8	50.0	51.1	53.5	57.6	56.2	53.9
70% Exceedance	51.4	49.7	47.0	45.4	45.8	47.5	49.7	50.7	53.3	57.0	55.7	53.5
80% Exceedance	51.1	49.0	46.7	45.3	45.6	47.1	49.3	50.4	52.9	56.6	55.5	53.4
90% Exceedance	50.6	48.6	46.2	44.9	45.1	46.6	48.9	49.8	52.0	56.2	54.8	52.9
Full Simulation Period Average^a	52.6	50.7	47.7	46.1	46.6	48.2	50.5	51.5	54.3	58.1	57.2	55.2
Wet Years (28%)	50.9	49.1	47.0	45.7	46.0	47.3	49.4	50.9	54.0	58.2	56.8	54.0
Above Normal Years (14%)	51.4	49.3	46.9	46.0	46.1	47.6	49.8	51.2	53.9	57.8	55.7	53.4
Below Normal Years (18%)	52.5	51.1	48.0	45.6	46.2	48.0	50.3	51.1	53.8	58.4	57.0	55.5
Dry Years (24%)	53.0	51.3	48.2	46.3	47.0	48.6	50.9	51.6	54.1	58.3	56.9	54.8
Critical Years (16%)	56.4	53.6	48.2	47.1	47.9	49.9	52.4	52.7	55.9	57.3	59.8	59.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-4 c. Clear Creek at Mouth, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.1	0.1	-0.1	-0.0	-0.2	-0.2	-1.2	2.1	1.7	1.2	0.6
20% Exceedance	0.4	-0.0	0.1	-0.1	-0.1	-0.3	-0.3	-1.2	2.0	2.0	1.1	0.4
30% Exceedance	0.3	-0.2	-0.0	0.0	-0.1	-0.5	-0.1	-1.2	1.6	1.9	1.2	0.3
40% Exceedance	0.4	-0.1	-0.1	-0.2	0.0	-0.6	-0.1	-1.3	1.6	1.9	1.3	0.5
50% Exceedance	0.4	0.2	-0.0	-0.0	0.1	-0.6	-0.3	-1.1	1.6	1.9	1.3	0.5
60% Exceedance	0.4	0.0	-0.1	-0.1	0.1	-0.6	-0.4	-1.1	1.4	1.7	1.4	0.5
70% Exceedance	0.3	-0.0	-0.2	-0.3	0.2	-0.6	-0.4	-1.2	1.4	1.6	1.2	0.4
80% Exceedance	0.4	-0.1	-0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.3	1.8	1.3	0.4
90% Exceedance	0.4	0.1	-0.1	0.0	0.1	-0.6	-0.3	-1.2	1.2	1.6	1.1	0.3
Full Simulation Period Average^a	0.4	-0.1	-0.0	-0.1	0.1	-0.5	-0.3	-1.2	1.6	1.8	1.6	0.6
Wet Years (28%)	0.4	-0.1	-0.0	-0.2	0.2	-0.6	-0.3	-1.1	1.8	2.4	1.7	0.5
Above Normal Years (14%)	0.4	-0.0	-0.2	-0.2	0.2	-0.7	-0.4	-1.4	1.4	1.6	1.2	0.4
Below Normal Years (18%)	0.4	-0.0	0.0	-0.0	0.1	-0.6	-0.3	-1.3	1.3	2.2	1.8	0.4
Dry Years (24%)	0.3	-0.0	0.0	-0.0	-0.0	-0.4	-0.2	-0.9	1.6	2.2	1.4	0.4
Critical Years (16%)	0.5	-0.6	-0.0	-0.0	-0.1	-0.2	-0.1	-1.5	1.8	-0.1	1.6	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-5 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average ^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-5 b. Clear Creek at Mouth, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.6	49.3	47.2	48.0	49.8	52.2	53.3	56.5	59.8	58.3	56.5
20% Exceedance	53.7	52.0	48.5	46.9	47.4	49.0	51.4	52.4	55.4	59.1	57.6	55.6
30% Exceedance	53.2	51.4	48.0	46.6	47.0	48.7	51.0	52.1	54.7	58.5	57.2	54.9
40% Exceedance	52.7	51.0	47.8	46.2	46.8	48.4	50.7	51.7	54.2	58.3	56.8	54.6
50% Exceedance	52.0	50.6	47.7	46.0	46.5	48.1	50.3	51.4	54.0	57.9	56.4	54.2
60% Exceedance	51.7	50.1	47.3	45.6	46.2	47.8	50.0	51.1	53.5	57.6	56.2	53.9
70% Exceedance	51.3	49.7	47.1	45.3	45.8	47.5	49.7	50.7	53.3	57.0	55.7	53.5
80% Exceedance	51.1	49.1	46.7	45.2	45.6	47.1	49.3	50.4	53.0	56.7	55.5	53.4
90% Exceedance	50.6	48.6	46.3	44.9	45.1	46.6	48.9	49.8	52.0	56.2	54.8	52.8
Full Simulation Period Average^a	52.6	50.7	47.6	46.1	46.6	48.2	50.5	51.5	54.2	58.0	57.1	55.2
Wet Years (28%)	50.9	49.1	47.0	45.7	46.0	47.3	49.4	51.0	54.0	58.1	56.6	53.9
Above Normal Years (14%)	51.5	49.4	47.0	46.0	46.1	47.6	49.8	51.2	53.8	57.8	55.7	53.5
Below Normal Years (18%)	52.5	51.0	47.9	45.6	46.2	48.0	50.3	51.0	53.7	58.2	56.6	55.5
Dry Years (24%)	52.9	51.3	48.2	46.2	46.9	48.6	50.9	51.6	54.0	58.2	56.9	54.8
Critical Years (16%)	56.4	53.6	48.2	47.1	48.0	49.9	52.5	52.8	56.0	57.4	59.9	59.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-5 c. Clear Creek at Mouth, Alt2woTUCPALIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.1	0.2	-0.1	-0.0	-0.2	-0.2	-0.9	1.8	1.7	1.2	0.4
20% Exceedance	0.3	0.0	-0.1	-0.1	-0.1	-0.5	-0.3	-1.2	1.8	2.0	1.2	0.4
30% Exceedance	0.3	-0.2	-0.1	-0.0	-0.1	-0.5	-0.2	-1.2	1.4	1.8	1.2	0.3
40% Exceedance	0.4	-0.1	-0.1	-0.2	0.0	-0.6	-0.1	-1.2	1.5	2.0	1.3	0.5
50% Exceedance	0.4	0.1	-0.0	-0.0	0.1	-0.6	-0.3	-1.0	1.6	1.9	1.3	0.4
60% Exceedance	0.4	0.0	-0.1	-0.1	0.1	-0.6	-0.4	-1.1	1.4	1.7	1.4	0.6
70% Exceedance	0.2	-0.0	-0.1	-0.3	0.2	-0.6	-0.4	-1.2	1.4	1.7	1.2	0.4
80% Exceedance	0.5	-0.1	0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.4	1.8	1.3	0.4
90% Exceedance	0.4	0.2	-0.1	0.0	0.1	-0.6	-0.3	-1.3	1.2	1.6	1.1	0.3
Full Simulation Period Average^a	0.4	-0.1	-0.0	-0.1	0.1	-0.5	-0.3	-1.2	1.6	1.7	1.5	0.6
Wet Years (28%)	0.4	-0.1	-0.1	-0.2	0.2	-0.6	-0.3	-1.0	1.8	2.2	1.5	0.4
Above Normal Years (14%)	0.4	0.0	-0.1	-0.2	0.1	-0.7	-0.4	-1.4	1.3	1.6	1.3	0.4
Below Normal Years (18%)	0.4	-0.2	-0.0	-0.1	0.1	-0.6	-0.3	-1.4	1.2	2.0	1.4	0.4
Dry Years (24%)	0.3	-0.1	-0.0	-0.1	-0.1	-0.5	-0.3	-0.9	1.5	2.1	1.4	0.4
Critical Years (16%)	0.5	-0.6	-0.0	0.0	-0.1	-0.1	-0.0	-1.4	1.9	-0.0	1.6	1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-6 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-6 b. Clear Creek at Mouth, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.3	49.0	47.5	48.0	49.7	52.0	53.1	57.3	60.3	59.6	56.7
20% Exceedance	53.6	51.8	48.8	47.0	47.6	49.2	51.2	52.5	56.0	59.2	58.6	56.1
30% Exceedance	53.2	51.1	48.1	46.7	47.1	48.7	50.9	52.1	55.4	58.6	58.1	55.3
40% Exceedance	52.5	50.8	47.8	46.2	46.8	48.3	50.5	51.9	54.6	58.1	57.8	54.9
50% Exceedance	52.1	50.2	47.5	46.0	46.5	48.1	50.1	51.4	54.0	57.9	57.3	54.6
60% Exceedance	51.8	49.9	47.3	45.7	46.1	47.8	49.7	51.0	53.7	57.5	57.0	54.3
70% Exceedance	51.4	49.7	47.0	45.4	45.8	47.4	49.4	50.9	53.2	57.0	56.5	54.0
80% Exceedance	51.2	49.4	46.8	45.2	45.6	47.0	49.0	50.4	52.8	56.9	56.4	53.7
90% Exceedance	50.9	48.9	46.4	44.6	45.1	46.5	48.7	49.9	52.1	56.4	55.9	53.4
Full Simulation Period Average^a	52.6	50.6	47.6	46.1	46.6	48.2	50.3	51.5	54.6	58.3	57.8	55.1
Wet Years (28%)	51.2	49.4	47.2	45.7	46.0	47.3	49.1	50.9	54.2	57.7	57.4	54.2
Above Normal Years (14%)	51.6	49.4	47.1	46.0	46.1	47.5	49.5	51.3	54.2	57.5	56.6	54.0
Below Normal Years (18%)	52.2	50.4	47.5	45.7	46.2	48.0	50.0	51.3	53.9	58.1	57.4	54.4
Dry Years (24%)	53.0	51.2	48.1	46.2	47.0	48.6	50.7	51.7	54.0	58.0	57.6	55.1
Critical Years (16%)	55.9	53.3	48.3	47.1	48.0	49.9	52.4	52.9	57.4	60.6	60.4	58.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-6 c. Clear Creek at Mouth, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.4	-0.1	0.2	-0.0	-0.2	-0.3	-1.1	2.7	2.2	2.5	0.5
20% Exceedance	0.2	-0.2	0.1	-0.1	0.1	-0.3	-0.4	-1.1	2.4	2.2	2.2	0.9
30% Exceedance	0.3	-0.4	-0.1	0.0	-0.0	-0.6	-0.3	-1.1	2.1	1.9	2.1	0.7
40% Exceedance	0.2	-0.3	-0.1	-0.2	0.0	-0.7	-0.3	-1.0	1.9	1.8	2.2	0.7
50% Exceedance	0.5	-0.2	-0.2	-0.0	0.1	-0.6	-0.6	-1.0	1.7	1.8	2.2	0.8
60% Exceedance	0.5	-0.2	-0.0	-0.1	0.1	-0.6	-0.7	-1.2	1.6	1.7	2.2	1.0
70% Exceedance	0.4	0.0	-0.1	-0.3	0.2	-0.7	-0.7	-1.0	1.3	1.6	2.1	0.9
80% Exceedance	0.5	0.2	0.0	-0.2	0.2	-0.6	-0.6	-1.2	1.3	2.1	2.2	0.8
90% Exceedance	0.6	0.5	-0.0	-0.3	0.1	-0.7	-0.5	-1.1	1.3	1.7	2.2	0.9
Full Simulation Period Average^a	0.4	-0.2	-0.1	-0.1	0.1	-0.5	-0.5	-1.1	1.9	2.0	2.2	0.5
Wet Years (28%)	0.7	0.2	0.1	-0.2	0.2	-0.7	-0.6	-1.1	2.0	1.9	2.3	0.7
Above Normal Years (14%)	0.5	0.0	-0.0	-0.2	0.1	-0.7	-0.6	-1.3	1.7	1.3	2.1	0.9
Below Normal Years (18%)	0.1	-0.8	-0.4	0.0	0.2	-0.6	-0.6	-1.0	1.4	1.9	2.2	-0.6
Dry Years (24%)	0.3	-0.1	-0.1	-0.0	-0.0	-0.4	-0.5	-0.9	1.6	1.9	2.1	0.7
Critical Years (16%)	-0.0	-0.8	0.0	-0.1	-0.1	-0.2	-0.1	-1.4	3.2	3.2	2.2	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-7 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-7 b. Clear Creek at Mouth, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.3	49.1	47.4	48.0	49.7	52.2	53.2	57.7	59.8	58.2	56.5
20% Exceedance	53.8	51.8	48.6	47.0	47.4	49.1	51.3	52.6	55.7	59.0	57.6	55.6
30% Exceedance	53.1	51.3	48.1	46.6	47.1	48.7	50.9	52.2	54.8	58.6	57.2	55.1
40% Exceedance	52.6	50.9	47.8	46.2	46.7	48.3	50.7	51.8	54.3	58.4	56.9	54.5
50% Exceedance	52.0	50.4	47.6	45.9	46.5	48.1	50.3	51.4	53.9	58.0	56.4	54.1
60% Exceedance	51.8	50.1	47.2	45.6	46.2	47.8	50.0	51.1	53.5	57.6	56.2	53.9
70% Exceedance	51.4	49.5	46.9	45.4	45.8	47.5	49.7	50.7	53.3	57.1	55.7	53.6
80% Exceedance	51.1	49.1	46.7	45.2	45.6	47.1	49.3	50.4	52.9	56.7	55.5	53.4
90% Exceedance	50.6	48.4	46.3	44.9	45.1	46.6	48.9	50.0	52.0	56.3	55.0	52.8
Full Simulation Period Average^a	52.6	50.6	47.6	46.1	46.6	48.2	50.5	51.6	54.6	58.3	57.1	55.2
Wet Years (28%)	51.1	49.2	47.0	45.7	46.0	47.3	49.4	51.1	54.4	58.1	56.6	54.1
Above Normal Years (14%)	51.4	49.2	46.9	46.0	46.1	47.6	49.8	51.2	53.8	57.9	55.8	53.4
Below Normal Years (18%)	52.3	50.6	47.8	45.6	46.2	48.0	50.3	51.3	54.0	58.2	56.6	55.4
Dry Years (24%)	52.9	51.2	48.2	46.3	46.9	48.5	50.8	51.7	54.0	58.2	56.9	54.7
Critical Years (16%)	56.1	53.4	48.2	47.1	48.0	49.9	52.4	52.8	56.9	59.0	60.1	58.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-7 c. Clear Creek at Mouth, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.3	0.0	0.1	-0.0	-0.2	-0.1	-1.0	3.1	1.6	1.1	0.4
20% Exceedance	0.4	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3	-1.1	2.1	2.0	1.2	0.4
30% Exceedance	0.3	-0.2	-0.0	-0.0	-0.1	-0.5	-0.2	-1.1	1.6	1.9	1.2	0.5
40% Exceedance	0.3	-0.2	-0.1	-0.1	-0.0	-0.7	-0.1	-1.2	1.6	2.0	1.3	0.4
50% Exceedance	0.4	-0.1	-0.1	-0.1	0.1	-0.6	-0.3	-1.0	1.5	1.9	1.3	0.3
60% Exceedance	0.5	-0.0	-0.1	-0.1	0.1	-0.6	-0.4	-1.1	1.5	1.7	1.4	0.5
70% Exceedance	0.4	-0.2	-0.2	-0.2	0.2	-0.6	-0.4	-1.1	1.4	1.8	1.3	0.5
80% Exceedance	0.5	-0.1	-0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.3	1.9	1.3	0.4
90% Exceedance	0.3	-0.0	-0.1	0.0	0.1	-0.6	-0.3	-1.1	1.2	1.7	1.2	0.3
Full Simulation Period Average^a	0.3	-0.3	-0.1	-0.1	0.1	-0.5	-0.3	-1.1	1.9	2.0	1.5	0.6
Wet Years (28%)	0.5	-0.0	-0.1	-0.3	0.2	-0.6	-0.3	-0.9	2.2	2.3	1.6	0.6
Above Normal Years (14%)	0.4	-0.1	-0.2	-0.2	0.1	-0.7	-0.4	-1.4	1.3	1.6	1.3	0.4
Below Normal Years (18%)	0.2	-0.5	-0.1	-0.1	0.1	-0.6	-0.3	-1.0	1.5	2.1	1.4	0.4
Dry Years (24%)	0.2	-0.1	0.0	-0.0	-0.1	-0.5	-0.3	-0.8	1.6	2.1	1.4	0.4
Critical Years (16%)	0.2	-0.7	-0.0	0.0	-0.1	-0.2	-0.0	-1.4	2.7	1.6	1.9	1.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-8 a. Clear Creek at Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.4	52.7	49.1	47.4	48.0	49.9	52.4	54.2	54.6	58.1	57.1	56.1
20% Exceedance	53.4	52.0	48.6	47.0	47.5	49.5	51.7	53.7	53.6	57.0	56.4	55.2
30% Exceedance	52.9	51.6	48.1	46.6	47.1	49.2	51.2	53.2	53.3	56.7	56.0	54.6
40% Exceedance	52.3	51.1	47.9	46.3	46.7	49.0	50.8	52.9	52.7	56.3	55.5	54.1
50% Exceedance	51.6	50.4	47.7	46.0	46.4	48.7	50.6	52.4	52.3	56.1	55.1	53.8
60% Exceedance	51.3	50.1	47.4	45.7	46.1	48.4	50.4	52.2	52.1	55.8	54.8	53.4
70% Exceedance	51.1	49.7	47.1	45.6	45.6	48.1	50.1	51.8	51.9	55.4	54.5	53.1
80% Exceedance	50.7	49.2	46.7	45.5	45.4	47.6	49.6	51.5	51.6	54.8	54.2	52.9
90% Exceedance	50.2	48.4	46.4	44.9	45.0	47.2	49.2	51.0	50.8	54.6	53.7	52.5
Full Simulation Period Average^a	52.2	50.8	47.7	46.2	46.5	48.7	50.7	52.6	52.7	56.3	55.6	54.6
Wet Years (28%)	50.6	49.2	47.1	45.9	45.8	47.9	49.7	52.0	52.2	55.8	55.1	53.5
Above Normal Years (14%)	51.0	49.4	47.1	46.2	46.0	48.3	50.2	52.6	52.5	56.2	54.4	53.0
Below Normal Years (18%)	52.1	51.1	47.9	45.7	46.1	48.6	50.6	52.4	52.5	56.2	55.2	55.0
Dry Years (24%)	52.7	51.3	48.2	46.3	47.0	49.0	51.2	52.6	52.4	56.1	55.5	54.4
Critical Years (16%)	55.9	54.1	48.3	47.1	48.0	50.1	52.5	54.2	54.2	57.4	58.2	57.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-8 b. Clear Creek at Mouth, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.5	52.4	49.3	47.3	48.0	49.8	52.2	53.6	57.6	60.0	58.2	56.2
20% Exceedance	53.7	51.9	48.6	46.9	47.4	49.1	51.4	52.6	55.6	59.2	57.5	55.5
30% Exceedance	53.1	51.3	48.1	46.6	47.1	48.7	51.1	52.2	54.9	58.6	57.2	55.0
40% Exceedance	52.6	50.9	47.8	46.2	46.7	48.3	50.7	51.8	54.4	58.3	56.8	54.6
50% Exceedance	52.0	50.3	47.6	46.0	46.5	48.1	50.4	51.5	54.1	57.9	56.5	54.2
60% Exceedance	51.7	50.0	47.3	45.6	46.2	47.8	49.9	51.1	53.5	57.5	56.2	53.9
70% Exceedance	51.3	49.6	46.9	45.4	45.8	47.6	49.7	50.7	53.3	57.0	55.7	53.6
80% Exceedance	51.0	49.0	46.7	45.3	45.6	47.1	49.3	50.4	53.0	56.7	55.5	53.4
90% Exceedance	50.7	48.6	46.2	45.0	45.1	46.6	48.8	49.8	52.0	56.3	55.0	52.8
Full Simulation Period Average^a	52.6	50.6	47.7	46.1	46.6	48.2	50.5	51.6	54.4	58.3	57.2	54.9
Wet Years (28%)	51.0	49.1	47.0	45.7	46.0	47.3	49.4	51.1	53.8	58.1	56.7	54.0
Above Normal Years (14%)	51.4	49.3	46.9	46.0	46.1	47.6	49.8	51.1	53.8	57.8	55.7	53.5
Below Normal Years (18%)	52.4	50.7	48.0	45.6	46.2	48.0	50.3	51.4	54.0	58.5	56.6	54.1
Dry Years (24%)	52.9	51.2	48.2	46.2	46.9	48.6	50.9	51.6	53.9	58.2	56.9	54.7
Critical Years (16%)	56.4	53.6	48.3	47.1	48.0	49.9	52.6	53.0	57.0	59.1	60.3	59.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-6-8 c. Clear Creek at Mouth, Action 5 Minus NAA, Monthly Temperature (DEG-F)

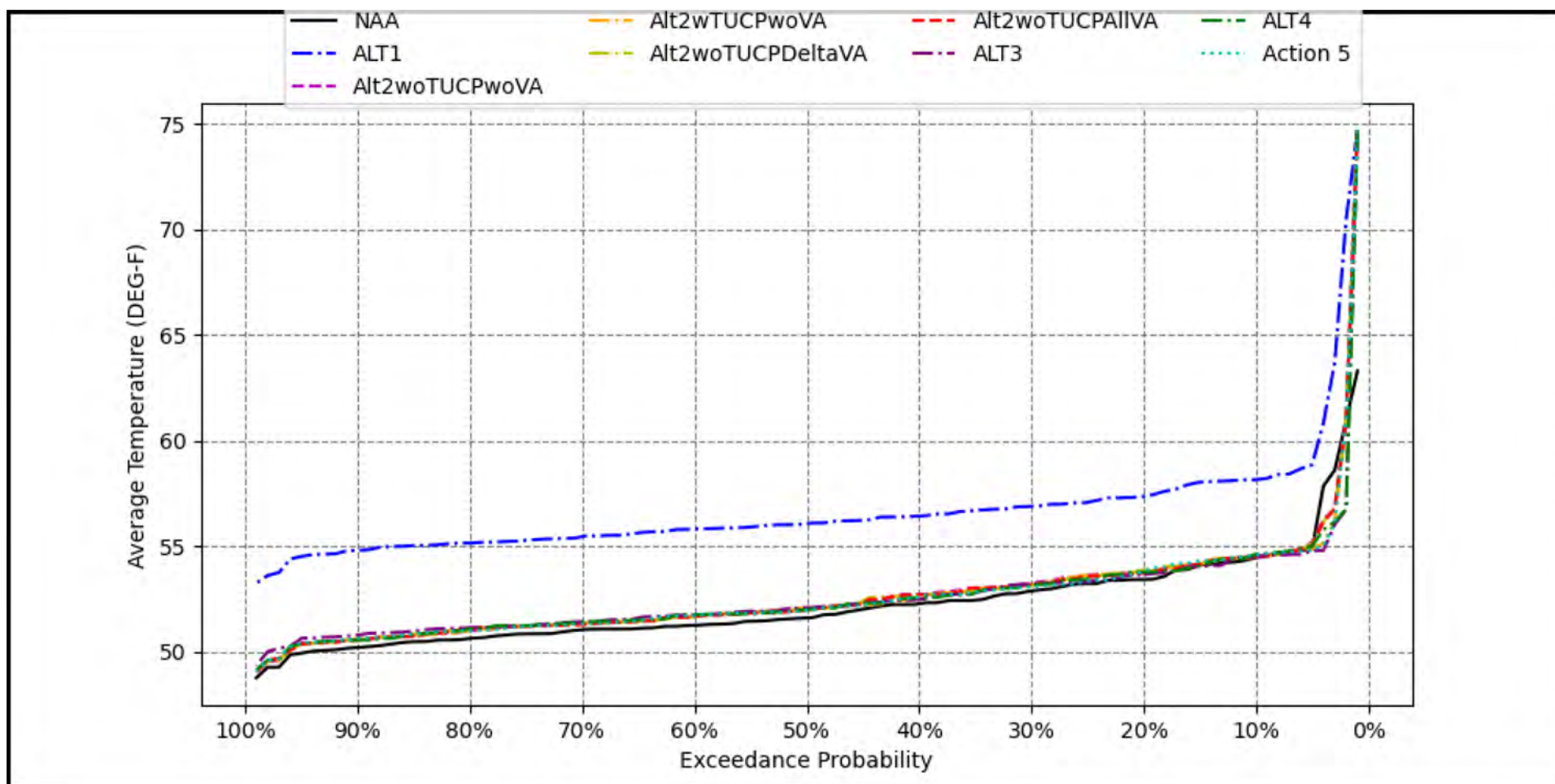
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	-0.3	0.2	-0.0	-0.0	-0.2	-0.2	-0.6	3.0	1.9	1.1	0.1
20% Exceedance	0.3	-0.0	-0.1	-0.1	-0.1	-0.4	-0.3	-1.0	2.0	2.1	1.1	0.3
30% Exceedance	0.2	-0.3	-0.1	-0.0	-0.1	-0.5	-0.1	-1.0	1.6	1.9	1.2	0.4
40% Exceedance	0.3	-0.2	-0.1	-0.1	0.0	-0.7	-0.1	-1.2	1.7	2.0	1.3	0.4
50% Exceedance	0.4	-0.1	-0.1	-0.0	0.1	-0.6	-0.3	-0.9	1.8	1.9	1.3	0.4
60% Exceedance	0.5	-0.1	-0.1	-0.1	0.1	-0.6	-0.5	-1.1	1.5	1.7	1.4	0.6
70% Exceedance	0.3	-0.1	-0.2	-0.3	0.2	-0.6	-0.4	-1.1	1.4	1.7	1.2	0.5
80% Exceedance	0.3	-0.1	0.0	-0.2	0.2	-0.5	-0.3	-1.1	1.4	1.9	1.3	0.4
90% Exceedance	0.4	0.1	-0.1	0.0	0.1	-0.6	-0.4	-1.2	1.2	1.7	1.2	0.3
Full Simulation Period Average^a	0.4	-0.2	-0.0	-0.1	0.1	-0.5	-0.3	-1.1	1.7	2.1	1.6	0.4
Wet Years (28%)	0.4	-0.1	-0.1	-0.2	0.2	-0.6	-0.3	-1.0	1.6	2.2	1.6	0.5
Above Normal Years (14%)	0.4	-0.1	-0.2	-0.2	0.1	-0.7	-0.4	-1.4	1.3	1.6	1.3	0.4
Below Normal Years (18%)	0.3	-0.4	0.1	-0.0	0.1	-0.6	-0.3	-0.9	1.6	2.3	1.4	-0.9
Dry Years (24%)	0.2	-0.2	0.0	-0.0	-0.1	-0.4	-0.3	-0.9	1.5	2.1	1.4	0.3
Critical Years (16%)	0.5	-0.6	0.0	0.0	-0.1	-0.1	0.1	-1.3	2.8	1.7	2.0	1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

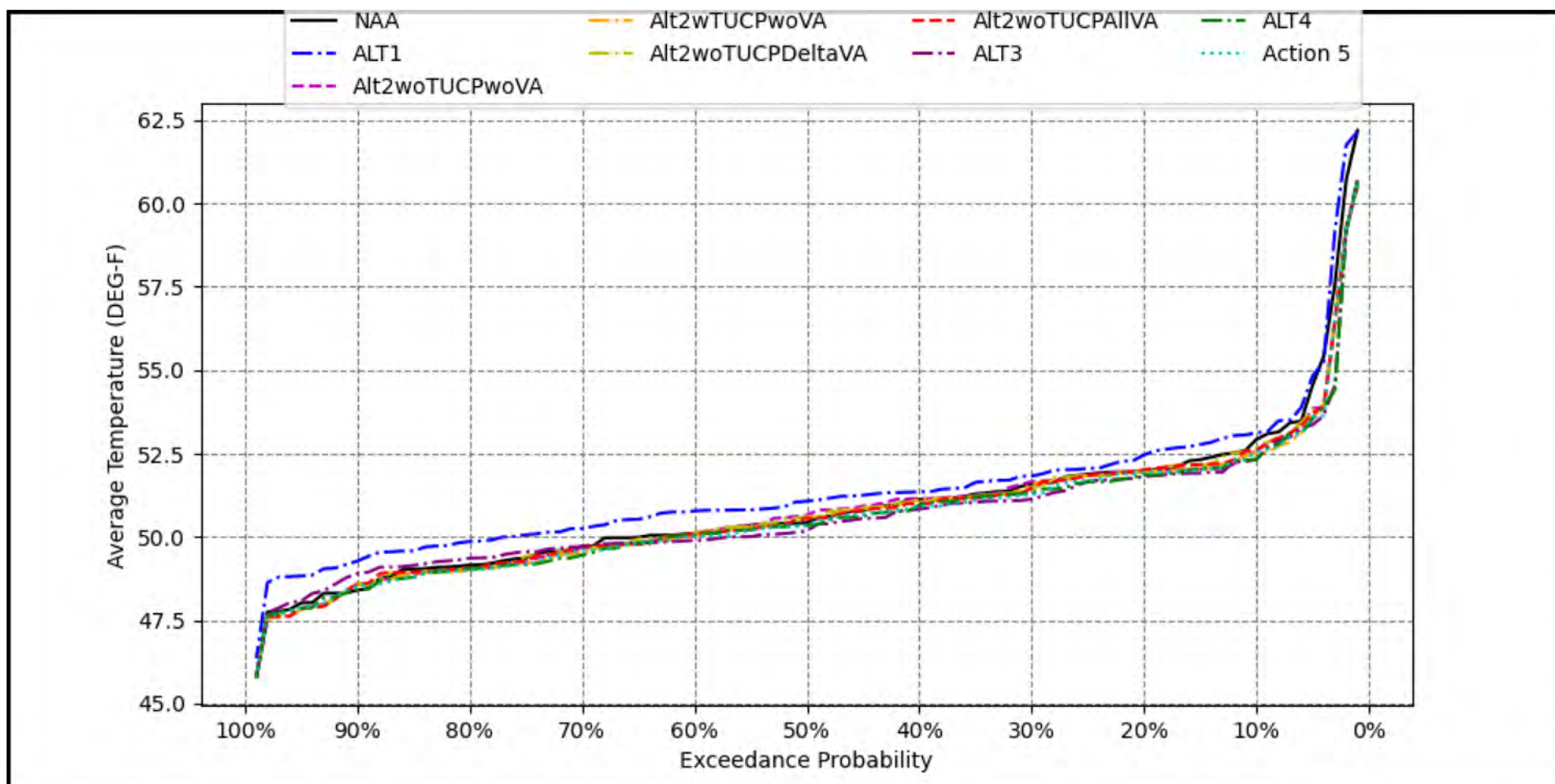
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



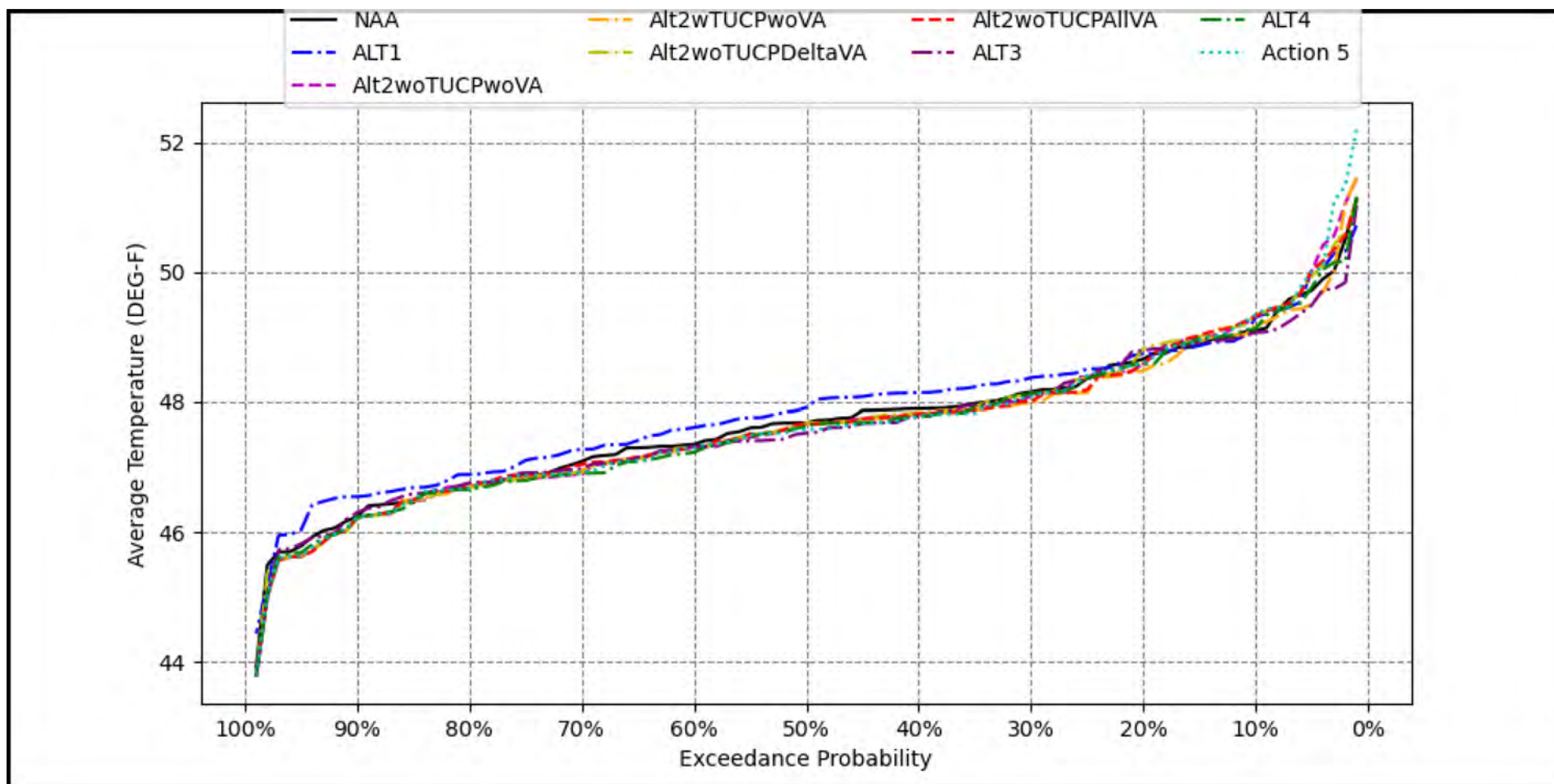
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-1 Clear Creek at Mouth, October Temperature



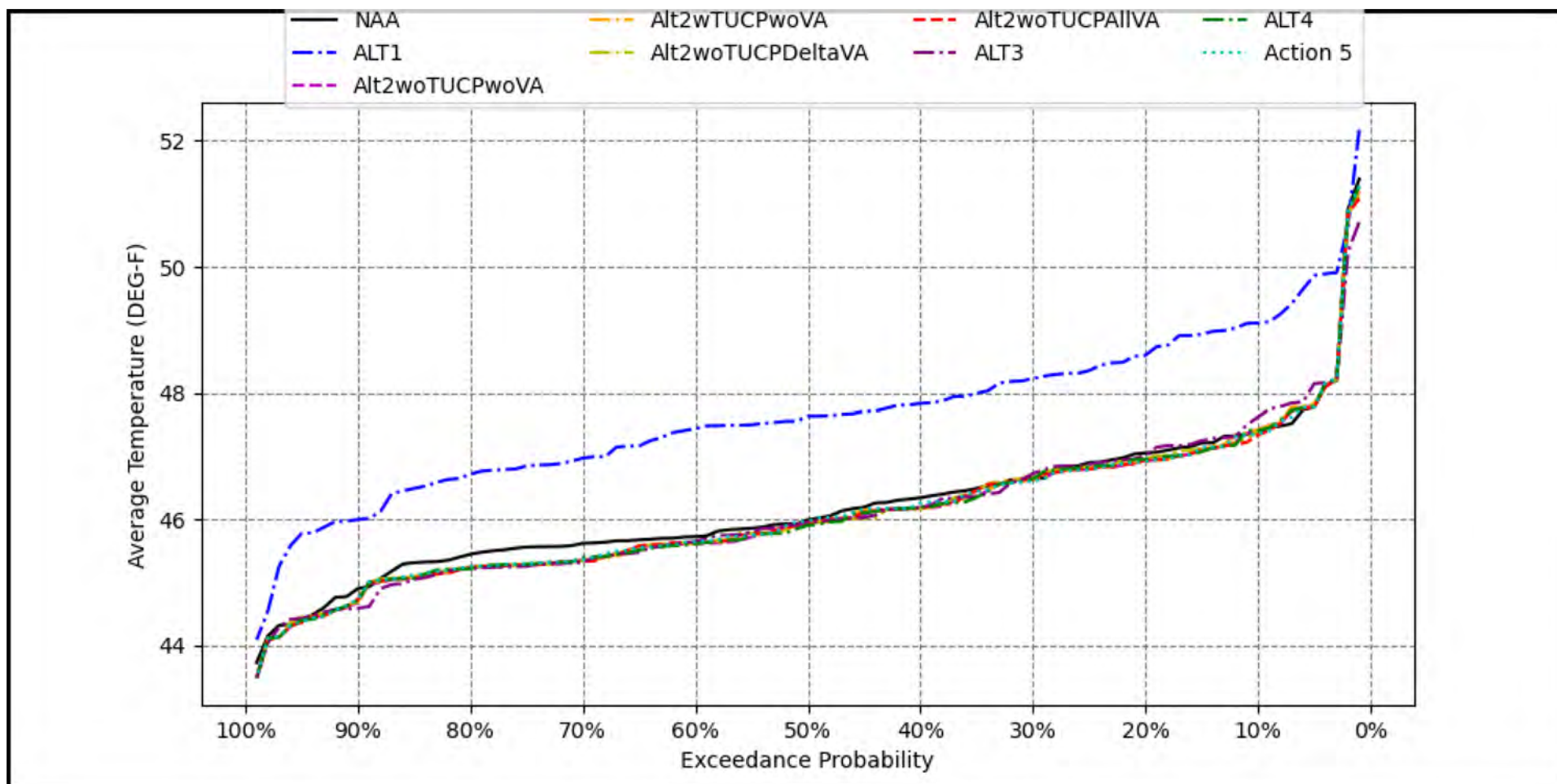
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-2 Clear Creek at Mouth, November Temperature



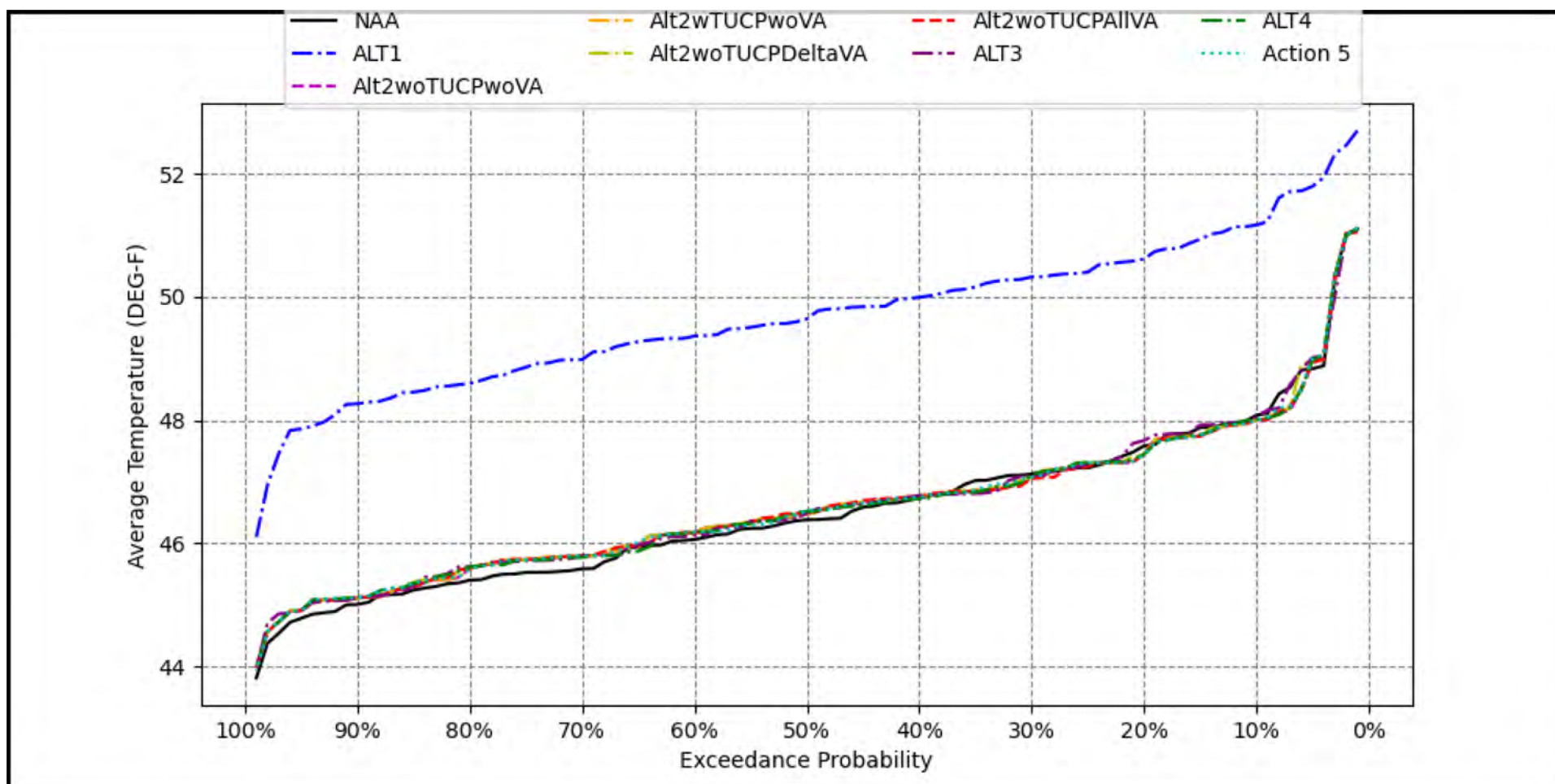
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-3 Clear Creek at Mouth, December Temperature



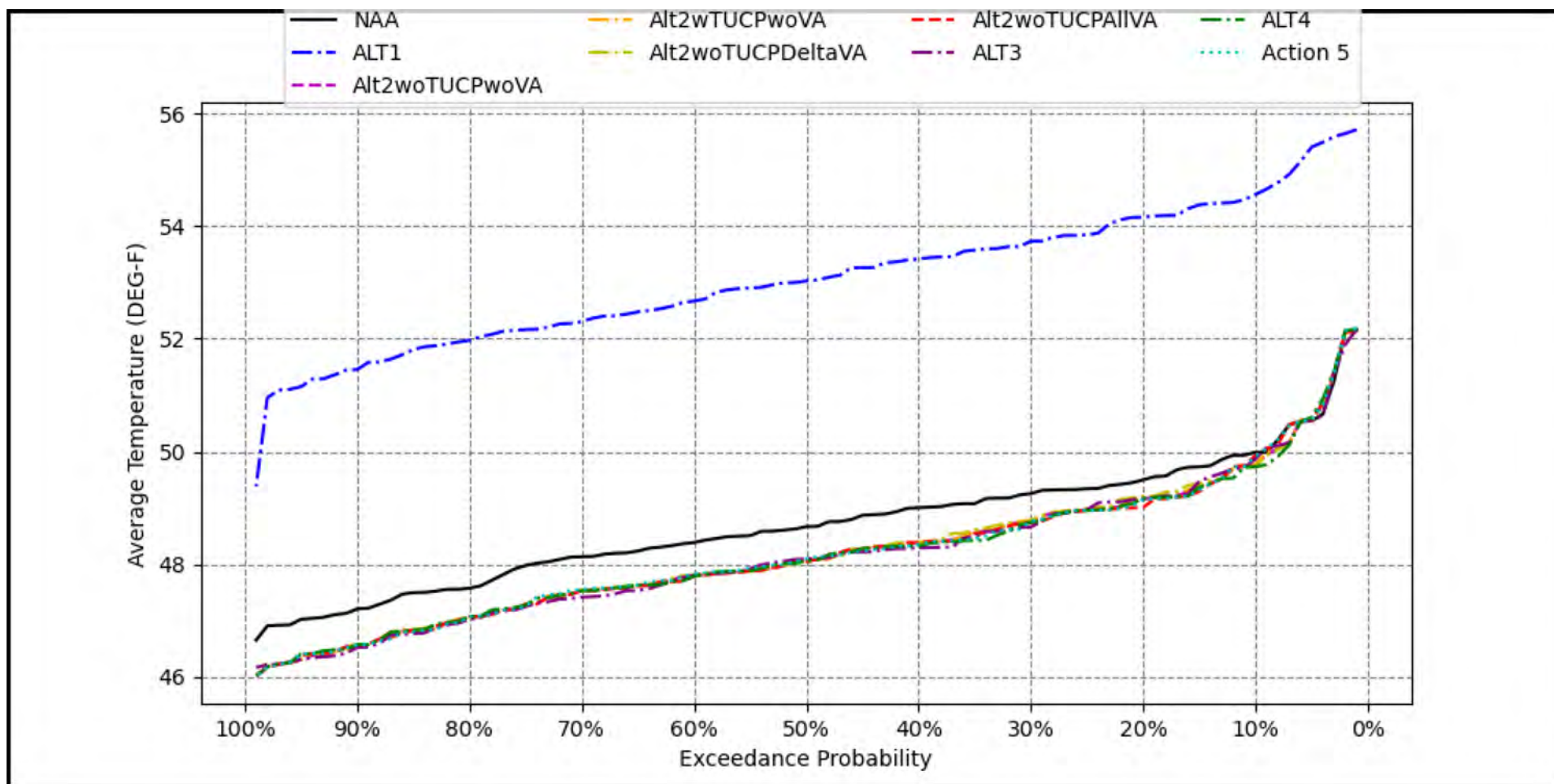
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-4 Clear Creek at Mouth, January Temperature



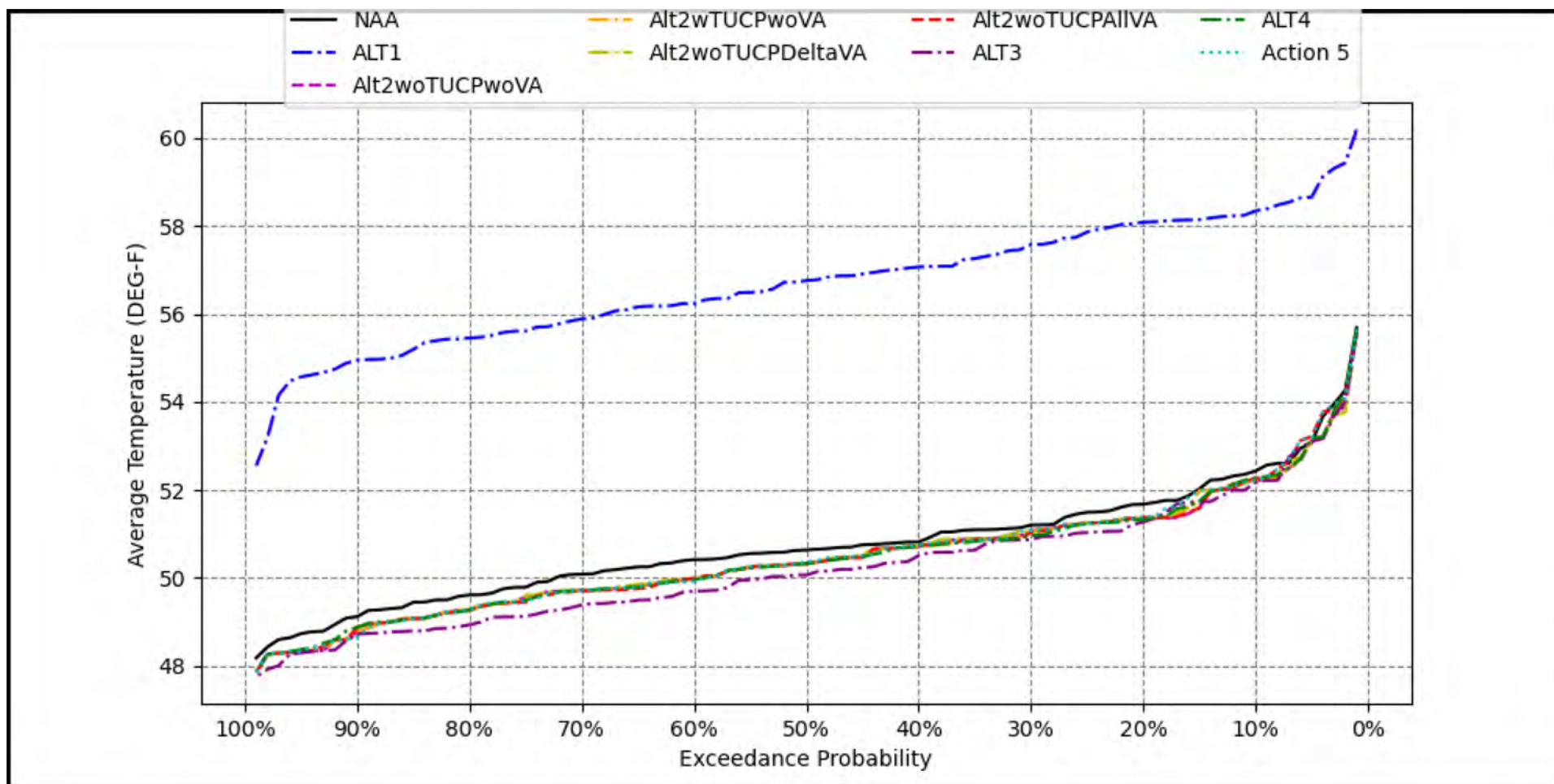
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-5 Clear Creek at Mouth, February Temperature



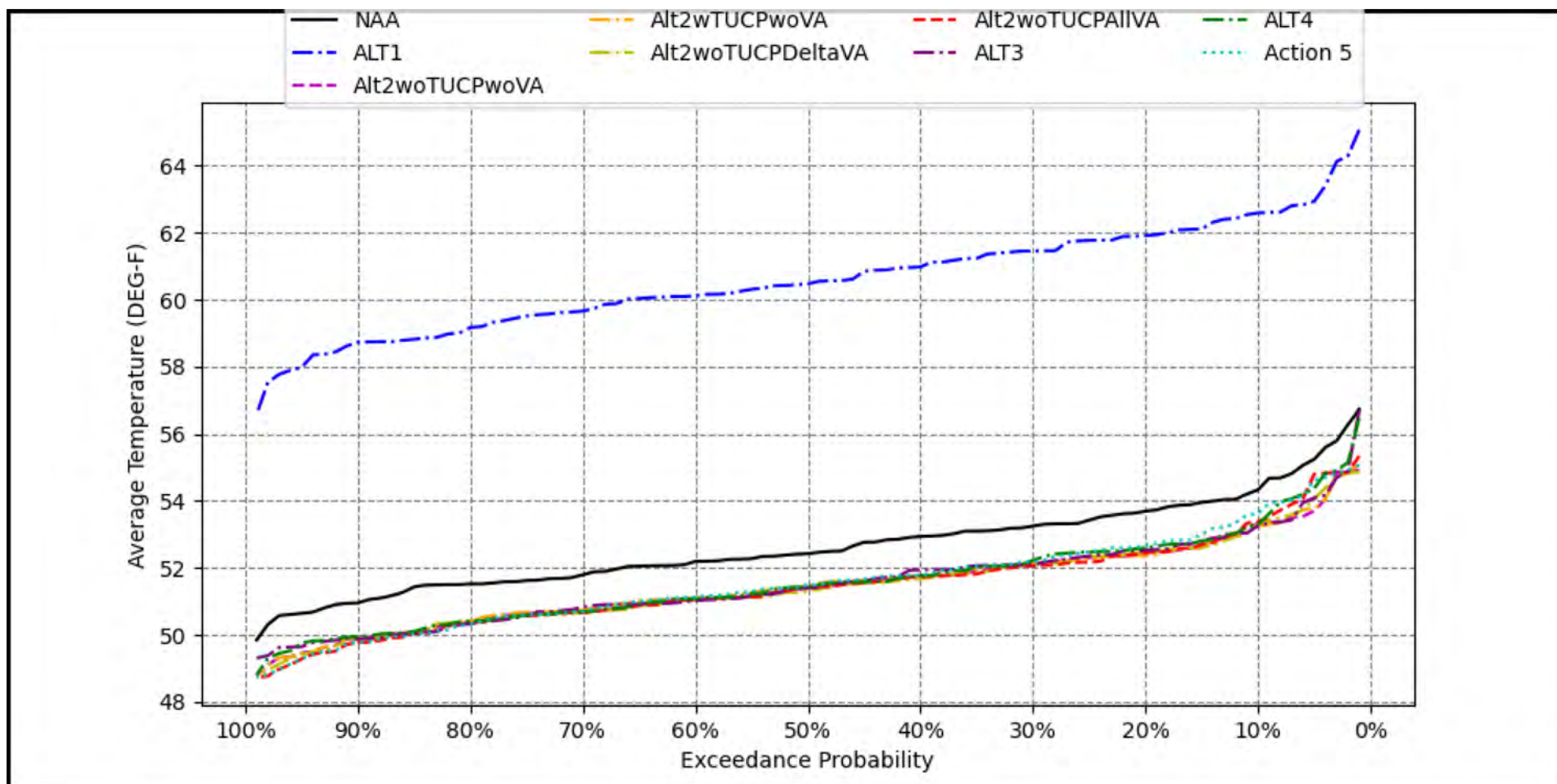
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-6 Clear Creek at Mouth, March Temperature



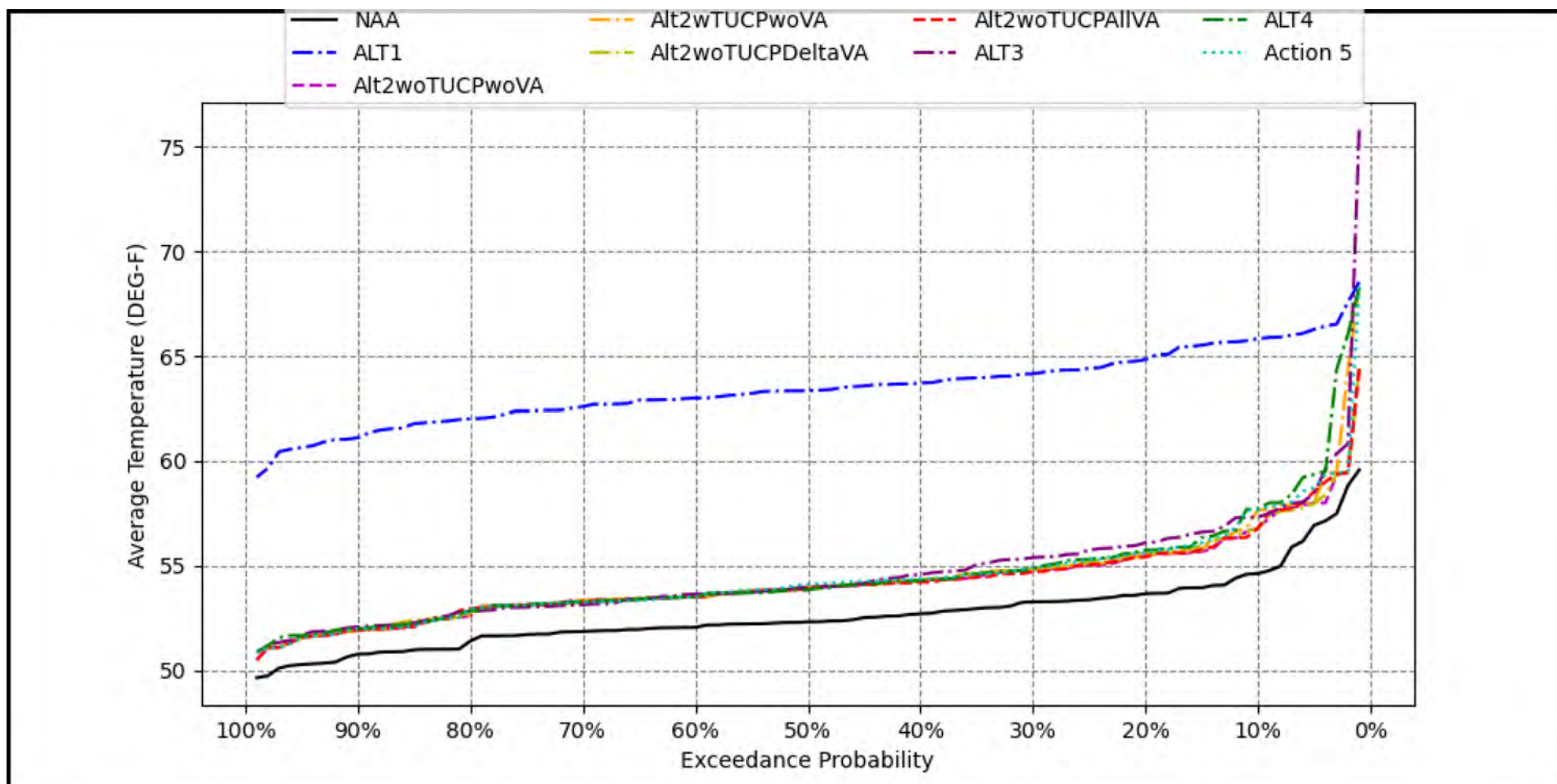
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-7 Clear Creek at Mouth, April Temperature



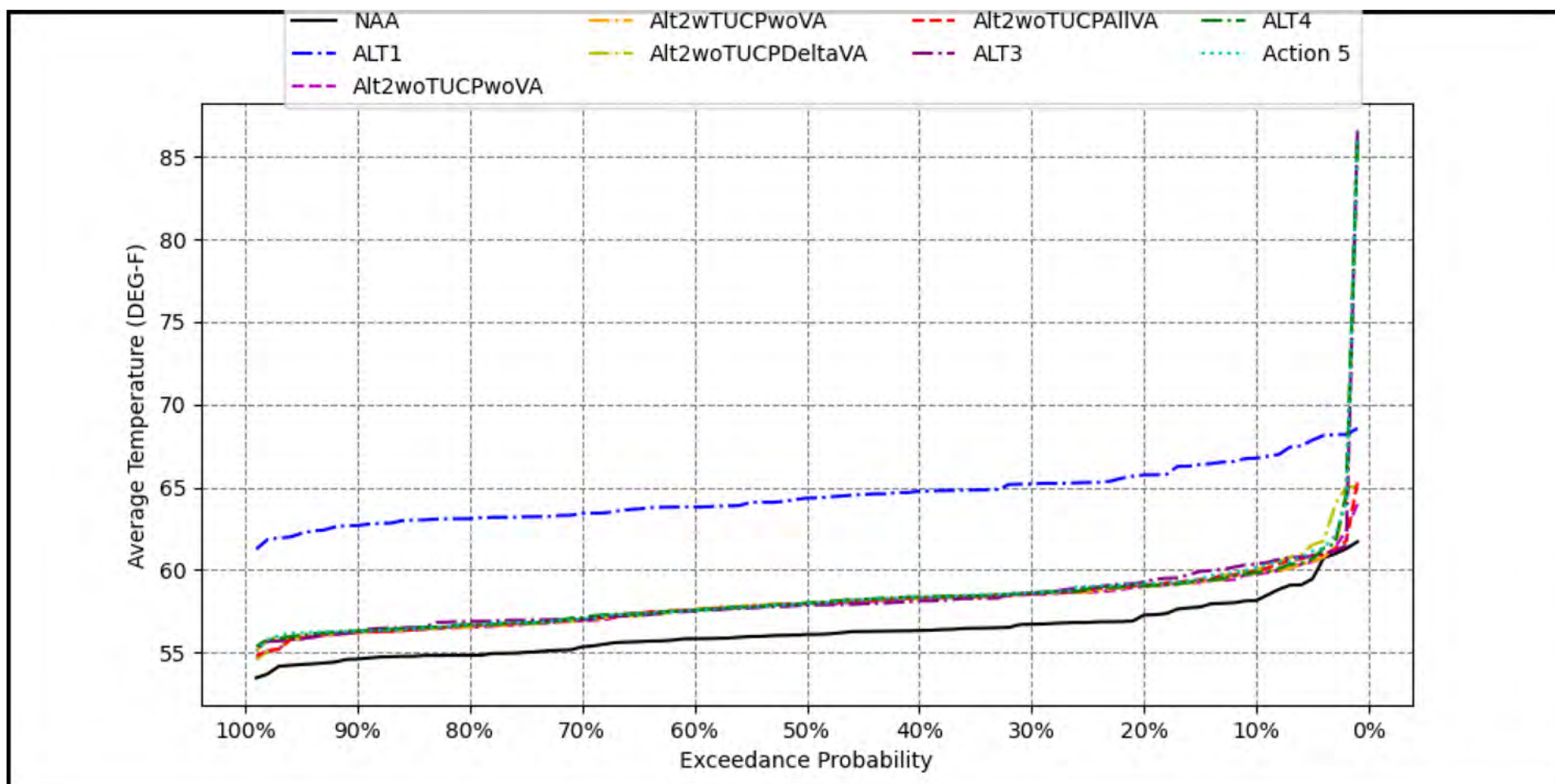
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-8 Clear Creek at Mouth, May Temperature



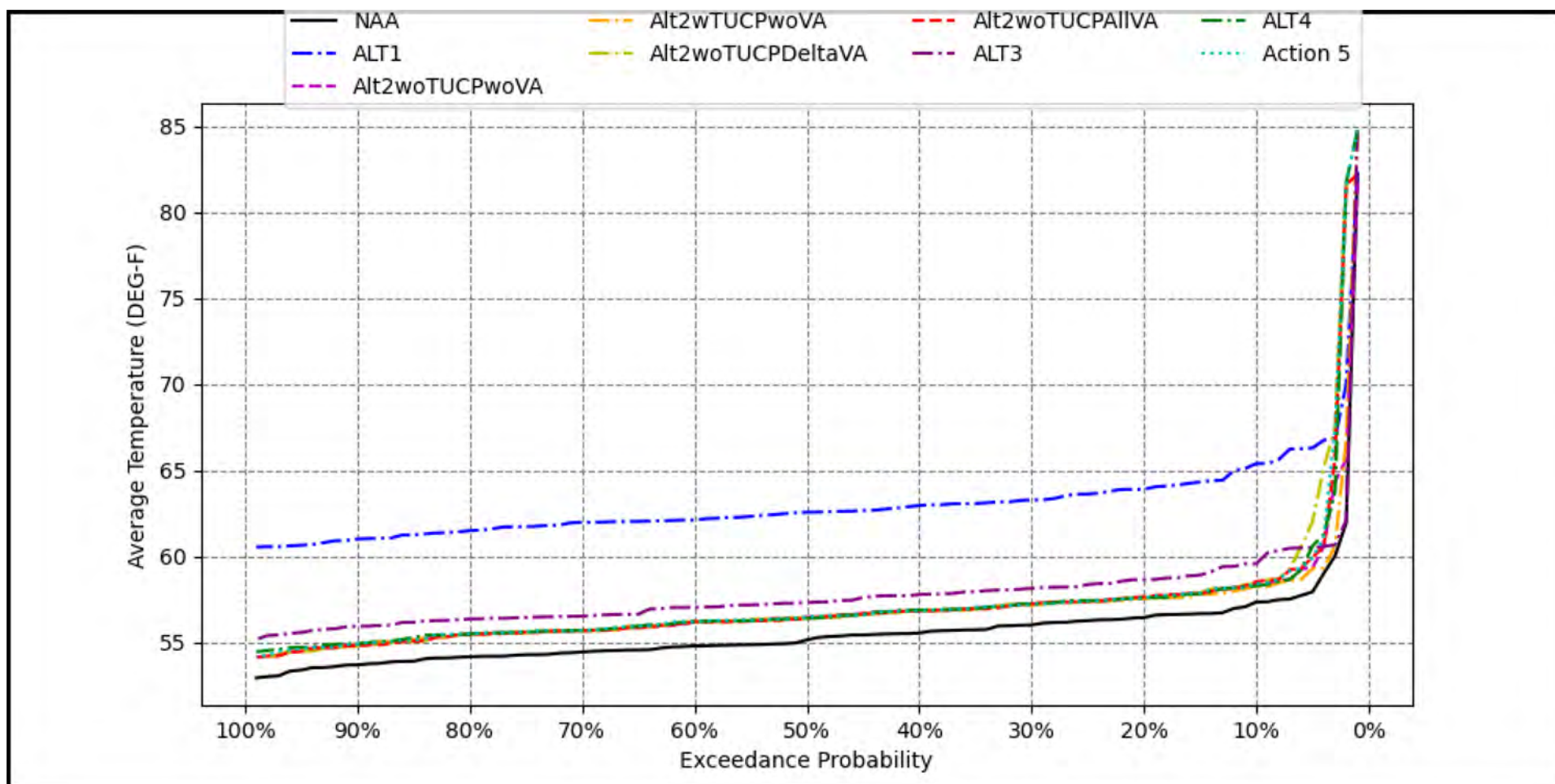
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-9 Clear Creek at Mouth, June Temperature



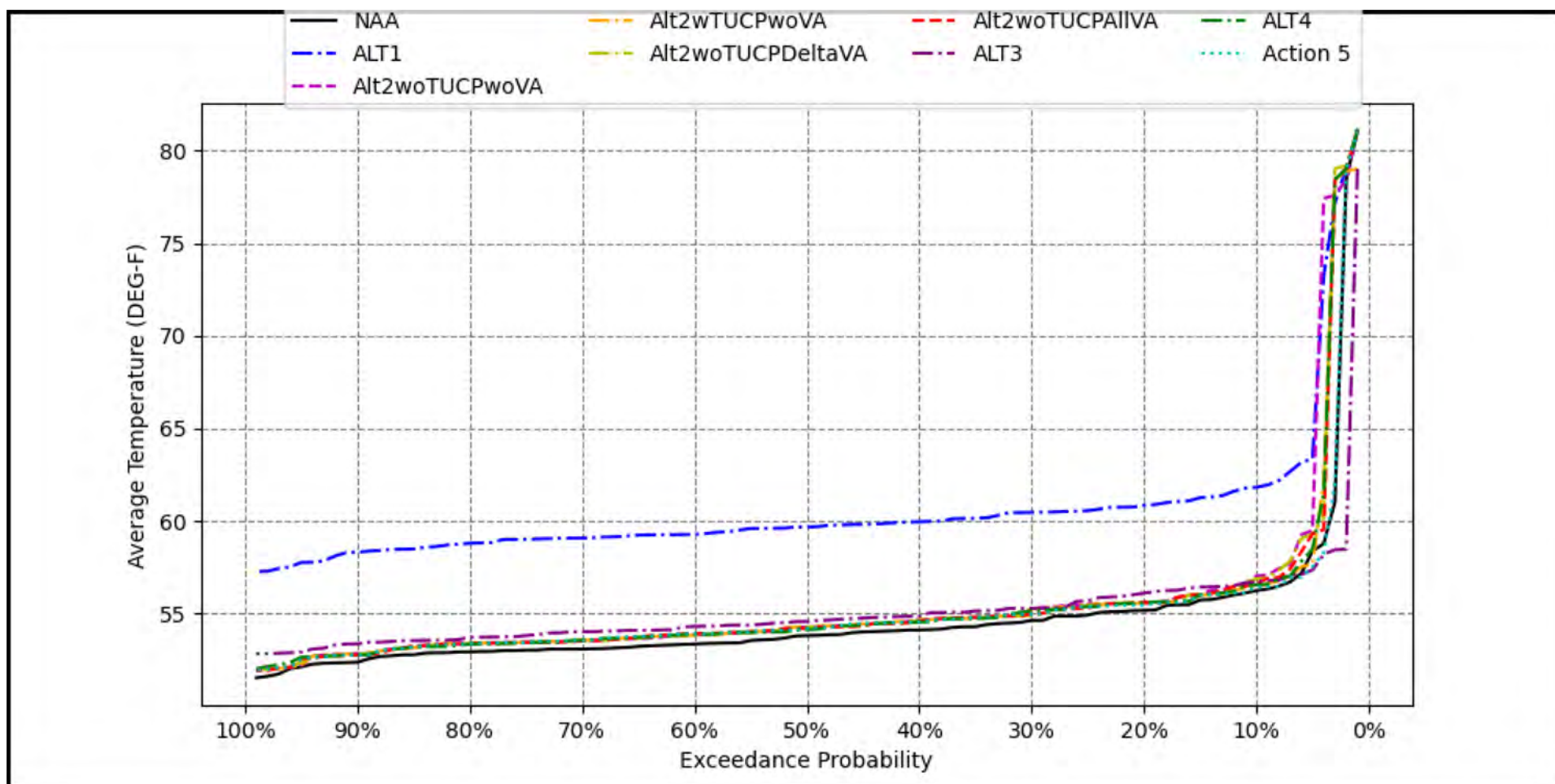
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-10 Clear Creek at Mouth, July Temperature



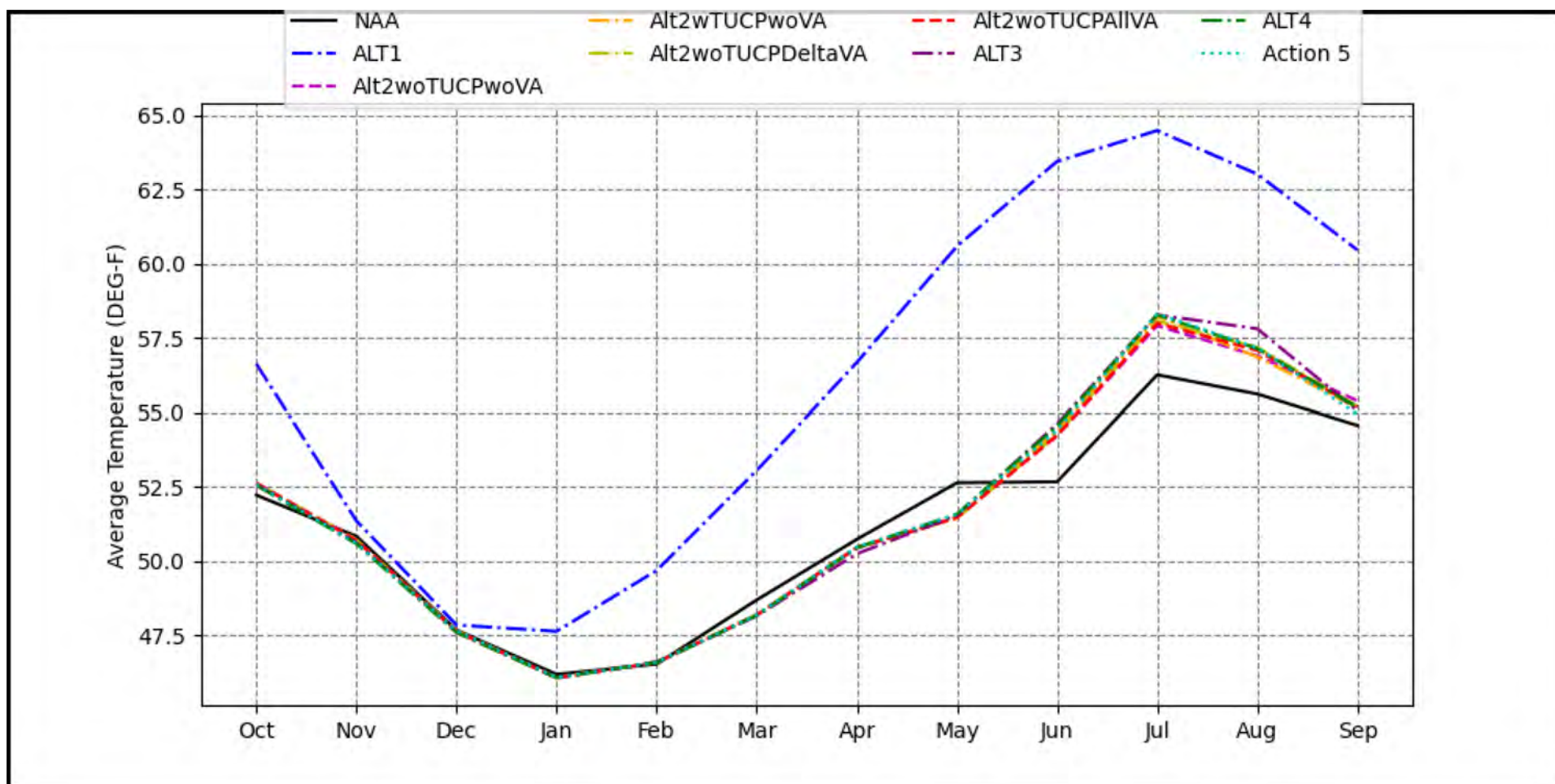
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-11 Clear Creek at Mouth, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-12 Clear Creek at Mouth, September Temperature

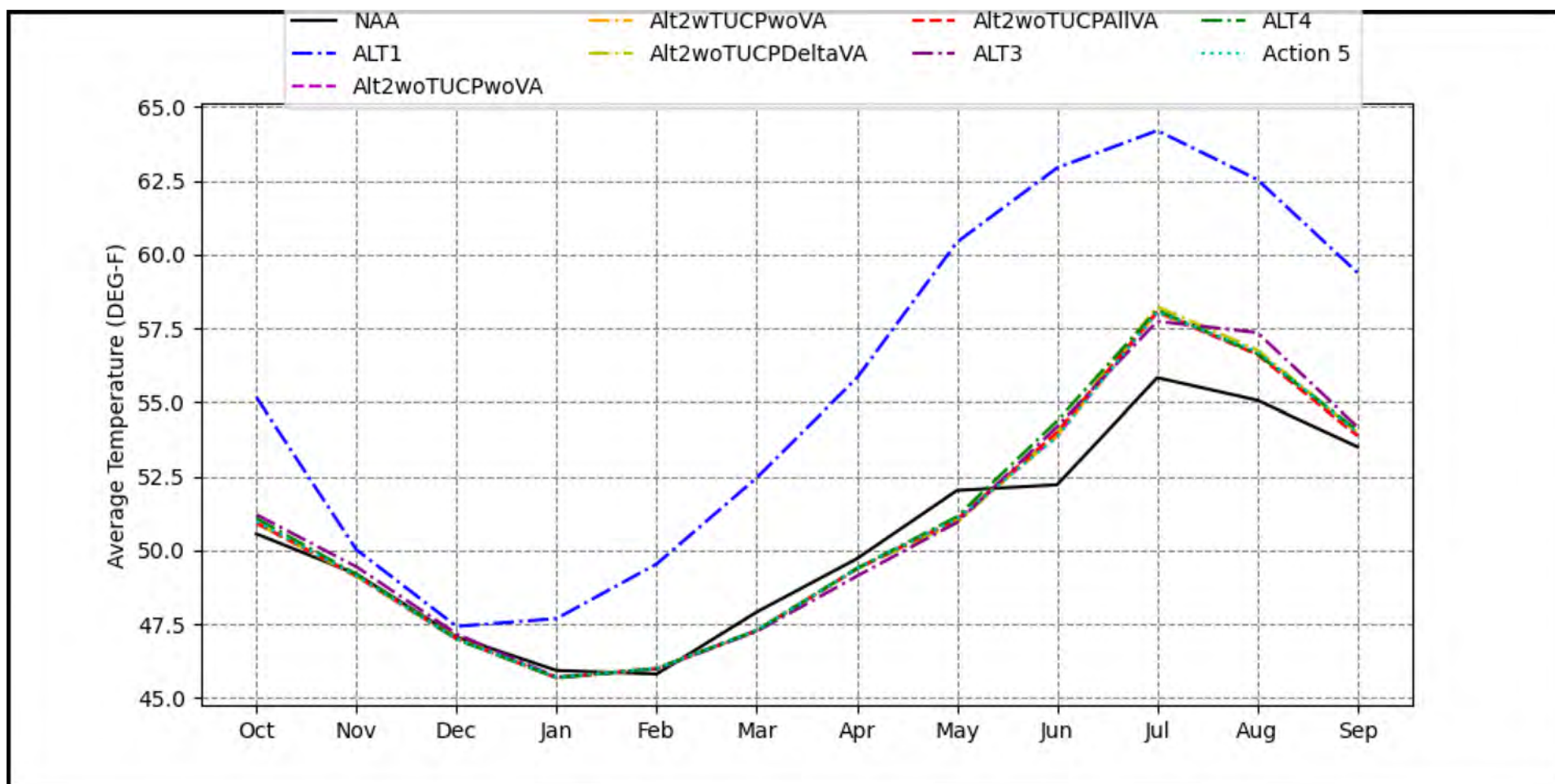


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-13 Clear Creek at Mouth, Long Term Average Temperature (DEG-F)

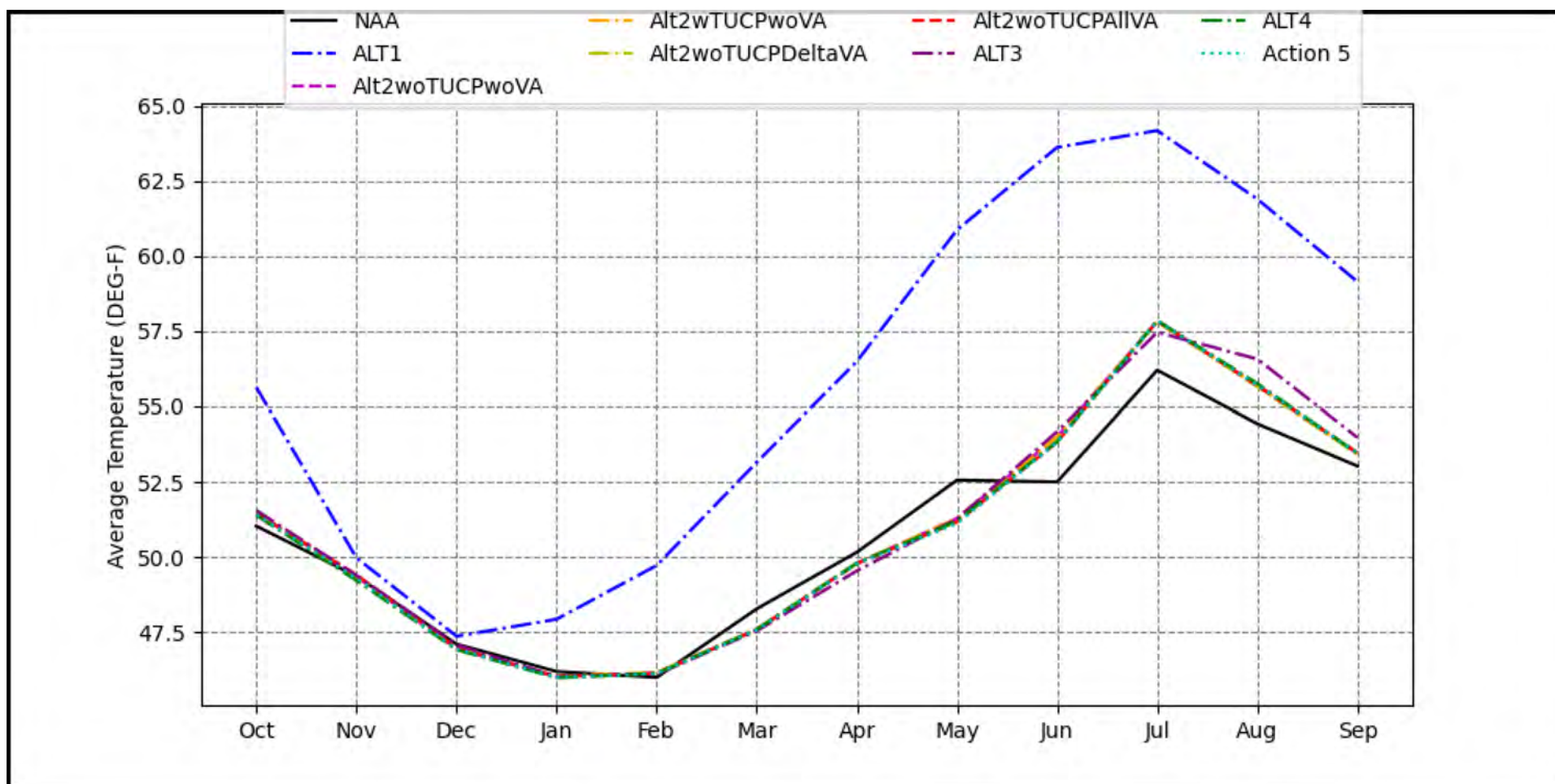


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-14 Clear Creek at Mouth, Wet Year Average Temperature (DEG-F)

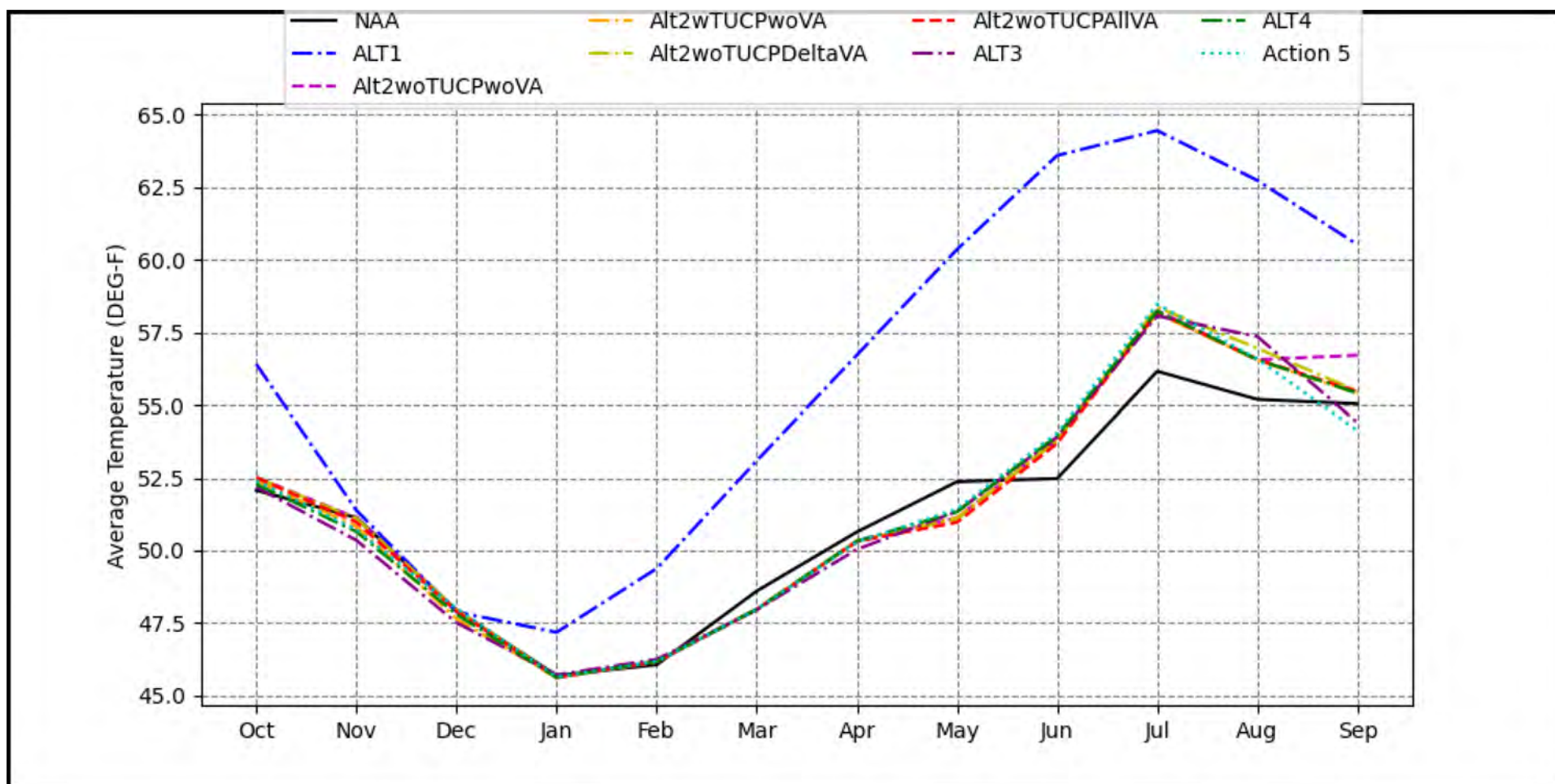


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-15 Clear Creek at Mouth, Above Normal Year Average Temperature (DEG-F)

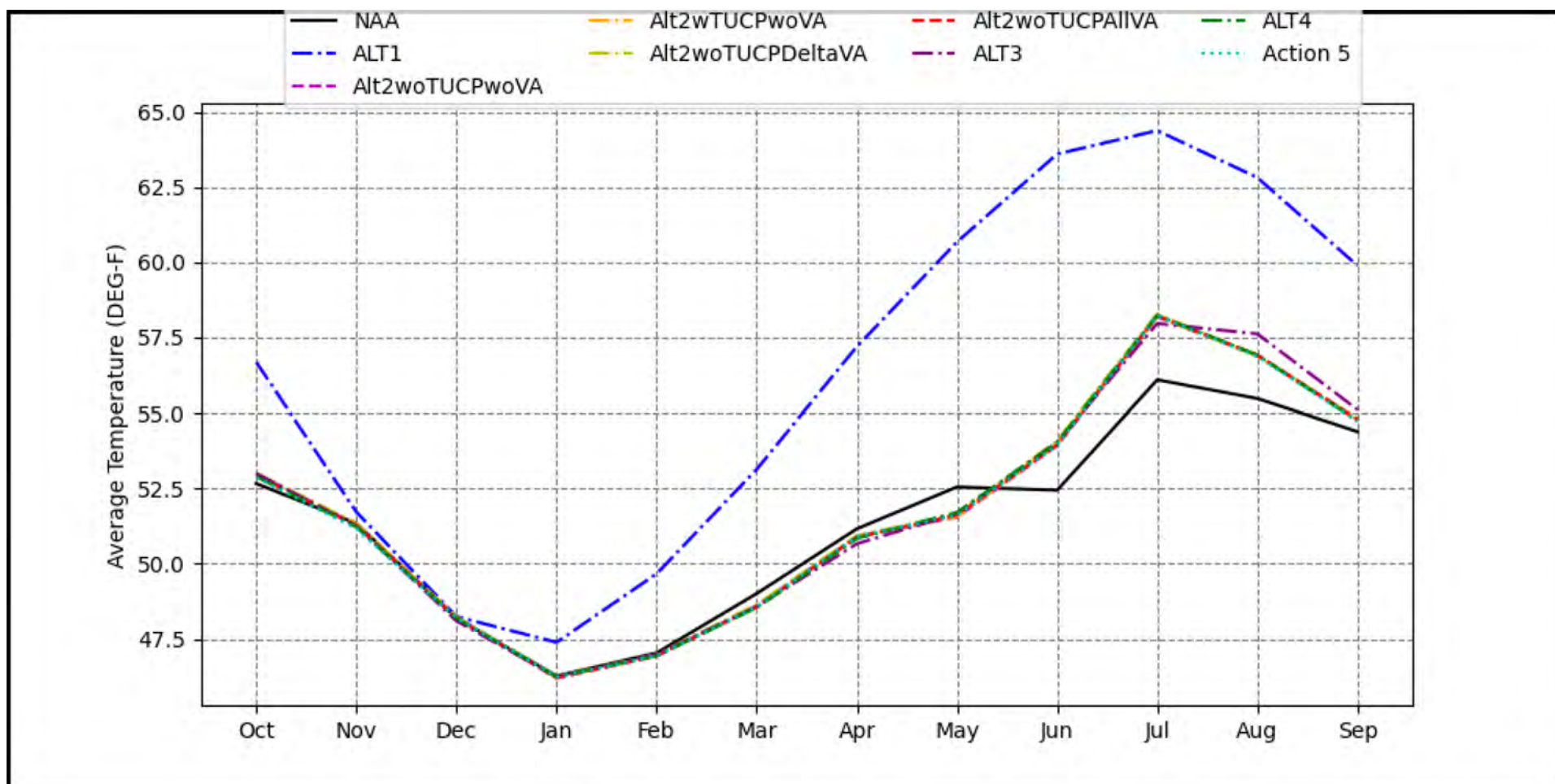


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-16 Clear Creek at Mouth, Below Normal Year Average Temperature (DEG-F)

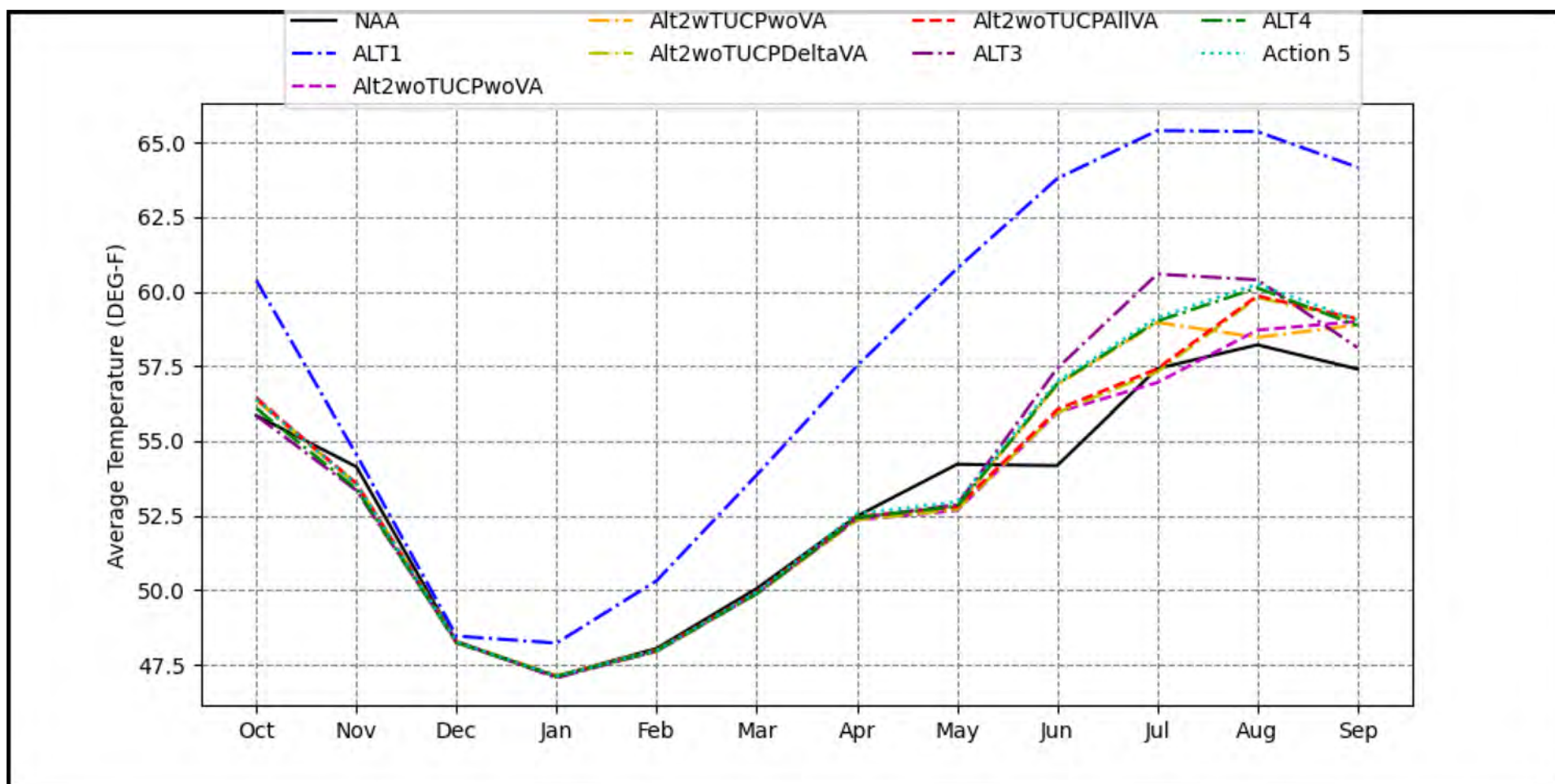


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-17 Clear Creek at Mouth, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-6-18 Clear Creek at Mouth, Critical Year Average Temperature (DEG-F)

F.2.11-7 Sacramento River below Keswick

Table F.2.11-7-1 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-1 b. Sacramento River below Keswick, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	55.3	55.6	54.1	51.0	49.9	51.6	53.3	53.0	53.4	54.2	54.5	54.5
20% Exceedance	54.2	55.3	53.7	50.5	49.5	51.0	52.9	52.5	52.7	53.4	53.8	54.0
30% Exceedance	53.9	55.3	53.3	49.7	49.0	50.6	52.2	52.3	52.4	52.8	53.5	53.5
40% Exceedance	53.8	55.1	52.9	48.9	48.2	50.3	52.0	52.1	52.1	52.4	52.8	53.2
50% Exceedance	53.6	54.9	52.5	48.6	47.9	49.9	51.9	51.9	51.8	52.1	52.6	52.7
60% Exceedance	53.4	54.7	51.7	48.2	47.5	49.5	51.7	51.7	51.3	51.9	52.4	52.3
70% Exceedance	53.3	54.5	51.3	47.4	47.2	48.9	51.5	51.4	51.1	51.5	52.0	52.1
80% Exceedance	53.0	54.2	50.7	46.8	46.6	48.4	51.1	51.1	50.7	51.2	51.6	51.9
90% Exceedance	52.8	53.9	50.0	46.2	45.3	47.7	50.8	50.6	50.2	50.9	51.3	51.6
Full Simulation Period Average^a	54.2	54.8	52.2	48.6	47.9	49.7	51.9	51.9	51.8	52.3	53.2	53.6
Wet Years (28%)	53.5	54.4	52.2	47.5	46.7	48.6	51.5	51.4	50.9	51.6	52.0	52.3
Above Normal Years (14%)	52.9	54.4	52.1	48.4	47.3	49.6	51.7	50.9	51.1	51.7	51.8	51.9
Below Normal Years (18%)	53.5	54.7	52.3	48.6	48.2	50.3	52.0	52.2	52.0	52.0	52.7	52.8
Dry Years (24%)	53.6	54.8	52.3	49.5	48.7	50.3	52.3	52.2	51.9	52.5	53.0	53.1
Critical Years (16%)	58.7	55.7	52.0	49.2	48.7	50.2	52.3	52.8	53.4	54.2	57.4	58.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-1 c. Sacramento River below Keswick, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.4	0.9	-0.5	-0.1	-0.2	-1.7	-2.7	-0.1	-0.1	0.0	0.0
20% Exceedance	0.2	1.3	1.2	-0.1	-0.0	0.1	-1.3	-2.7	-0.3	0.4	0.0	-0.2
30% Exceedance	1.3	2.1	1.0	-0.2	0.1	-0.1	-1.3	-2.7	0.2	0.5	1.1	1.0
40% Exceedance	1.4	2.2	1.1	-0.2	-0.3	0.0	-1.1	-2.6	-0.0	0.3	0.7	0.9
50% Exceedance	1.3	2.3	0.9	-0.2	-0.1	0.0	-0.8	-2.6	-0.2	0.1	0.5	0.5
60% Exceedance	1.2	2.2	0.5	-0.1	-0.1	0.2	-0.5	-2.5	-0.5	-0.0	0.3	0.2
70% Exceedance	1.1	2.1	0.4	-0.4	0.0	-0.1	-0.4	-2.5	-0.6	-0.2	0.1	0.1
80% Exceedance	1.0	2.1	-0.1	-0.2	-0.2	0.0	-0.4	-2.2	-0.9	-0.3	-0.3	-0.0
90% Exceedance	1.2	2.5	-0.2	-0.1	-0.3	0.1	-0.1	-1.7	-1.2	-0.1	-0.4	-0.2
Full Simulation Period Average^a	0.9	1.8	0.7	-0.2	-0.1	-0.0	-0.9	-2.4	-0.4	0.1	0.3	0.2
Wet Years (28%)	1.2	2.3	0.8	-0.2	-0.1	-0.1	-0.5	-2.8	-0.8	-0.2	0.0	0.2
Above Normal Years (14%)	0.8	2.2	1.1	-0.1	0.0	-0.1	-1.0	-3.4	-0.7	-0.1	-0.2	-0.2
Below Normal Years (18%)	1.1	2.1	0.6	-0.1	-0.1	-0.1	-1.3	-2.2	-0.1	0.3	0.4	0.4
Dry Years (24%)	0.8	1.8	0.6	-0.3	-0.2	0.2	-1.1	-2.3	-0.2	0.1	0.4	0.3
Critical Years (16%)	0.5	0.4	0.1	-0.3	-0.1	-0.2	-0.6	-1.0	-0.1	0.4	1.3	0.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-2 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-2 b. Sacramento River below Keswick, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.8	52.6	52.0	50.3	51.8	55.2	54.6	52.6	52.9	53.3	54.8
20% Exceedance	53.9	55.0	52.5	51.3	49.9	51.2	54.2	54.0	51.9	52.2	52.5	53.4
30% Exceedance	52.9	53.7	52.3	50.6	49.4	50.8	53.6	53.7	51.7	51.9	52.0	52.2
40% Exceedance	52.3	53.0	52.1	49.7	48.7	50.4	53.3	53.4	51.6	51.8	51.9	52.0
50% Exceedance	52.2	52.8	51.8	49.2	48.2	49.9	52.7	53.1	51.5	51.7	51.7	51.8
60% Exceedance	52.2	52.4	51.6	48.6	47.7	49.6	52.3	52.8	51.4	51.6	51.7	51.7
70% Exceedance	52.0	52.1	51.3	48.1	47.4	49.1	52.0	52.6	51.3	51.4	51.6	51.6
80% Exceedance	51.8	51.9	51.0	47.3	46.9	48.7	51.3	52.5	51.1	51.3	51.5	51.6
90% Exceedance	51.5	51.3	50.6	46.5	45.7	47.8	51.0	51.9	50.9	51.0	51.4	51.4
Full Simulation Period Average^a	53.4	53.1	51.7	49.2	48.3	49.9	52.8	53.1	51.6	51.8	52.5	53.1
Wet Years (28%)	51.9	52.3	51.8	48.0	47.0	48.8	52.1	53.0	51.2	51.5	51.6	51.7
Above Normal Years (14%)	52.1	52.2	51.2	48.9	47.5	49.8	52.9	53.0	51.3	51.5	51.7	51.8
Below Normal Years (18%)	52.6	53.1	51.7	49.1	48.6	50.5	53.3	53.1	51.7	51.5	51.9	52.0
Dry Years (24%)	52.9	53.2	51.9	50.3	49.2	50.4	53.5	53.3	51.6	51.7	52.0	52.3
Critical Years (16%)	58.9	55.6	51.5	50.0	49.2	50.4	52.4	53.2	52.4	53.1	56.3	59.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-2 c. Sacramento River below Keswick, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.9	0.5	-0.6	0.5	0.3	0.0	0.2	-1.2	-0.9	-1.4	-1.2	0.2
20% Exceedance	-0.2	1.0	-0.1	0.7	0.4	0.3	0.1	-1.3	-1.1	-0.8	-1.3	-0.7
30% Exceedance	0.3	0.5	0.0	0.8	0.4	0.2	0.1	-1.3	-0.6	-0.4	-0.4	-0.3
40% Exceedance	-0.1	0.1	0.3	0.6	0.2	0.2	0.2	-1.4	-0.5	-0.4	-0.2	-0.3
50% Exceedance	-0.1	0.2	0.2	0.4	0.2	0.1	0.0	-1.4	-0.4	-0.4	-0.4	-0.4
60% Exceedance	-0.1	-0.1	0.3	0.3	0.1	0.2	0.0	-1.4	-0.4	-0.3	-0.4	-0.3
70% Exceedance	-0.2	-0.2	0.4	0.3	0.3	0.1	0.0	-1.3	-0.5	-0.3	-0.3	-0.4
80% Exceedance	-0.3	-0.3	0.3	0.3	0.2	0.3	-0.2	-0.8	-0.5	-0.3	-0.4	-0.3
90% Exceedance	-0.1	-0.1	0.3	0.2	0.1	0.2	0.2	-0.4	-0.5	0.1	-0.3	-0.4
Full Simulation Period Average^a	0.1	0.2	0.1	0.4	0.3	0.1	-0.0	-1.1	-0.6	-0.4	-0.4	-0.2
Wet Years (28%)	-0.3	0.2	0.5	0.3	0.2	0.1	0.1	-1.2	-0.5	-0.4	-0.3	-0.4
Above Normal Years (14%)	-0.0	-0.1	0.1	0.4	0.2	0.1	0.2	-1.3	-0.5	-0.2	-0.4	-0.3
Below Normal Years (18%)	0.2	0.4	0.1	0.3	0.2	0.1	-0.0	-1.3	-0.5	-0.2	-0.4	-0.4
Dry Years (24%)	0.1	0.2	0.1	0.5	0.3	0.3	0.0	-1.2	-0.5	-0.7	-0.7	-0.5
Critical Years (16%)	0.7	0.2	-0.4	0.6	0.4	0.0	-0.4	-0.5	-1.1	-0.8	0.2	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-3 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-3 b. Sacramento River below Keswick, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	55.9	55.8	52.6	52.0	50.4	51.9	55.2	54.2	52.6	52.9	53.0	54.2
20% Exceedance	53.7	54.7	52.5	51.3	49.9	51.2	54.2	53.9	52.0	52.2	52.4	53.4
30% Exceedance	52.9	53.6	52.3	50.6	49.5	50.9	53.6	53.6	51.7	51.9	52.0	52.1
40% Exceedance	52.4	53.0	52.1	49.7	48.8	50.5	53.2	53.3	51.7	51.7	51.9	52.0
50% Exceedance	52.2	52.6	51.8	49.2	48.3	50.1	52.7	53.1	51.5	51.6	51.7	51.8
60% Exceedance	52.1	52.4	51.7	48.6	47.8	49.8	52.2	52.8	51.4	51.6	51.7	51.7
70% Exceedance	52.0	52.0	51.5	48.2	47.5	49.3	52.0	52.7	51.3	51.4	51.6	51.6
80% Exceedance	51.8	51.8	51.2	47.5	47.1	48.9	51.4	52.4	51.2	51.3	51.5	51.6
90% Exceedance	51.5	51.2	50.7	47.1	46.2	48.0	51.0	51.9	51.0	51.0	51.4	51.4
Full Simulation Period Average^a	53.2	53.1	51.7	49.3	48.4	50.0	52.8	53.1	51.6	51.8	52.1	52.6
Wet Years (28%)	51.9	52.3	51.8	48.0	47.0	48.8	52.1	53.0	51.2	51.5	51.6	51.8
Above Normal Years (14%)	52.1	52.1	51.2	48.9	47.6	50.0	52.9	53.1	51.3	51.5	51.7	51.8
Below Normal Years (18%)	52.3	52.9	51.7	49.4	48.8	50.7	53.2	53.1	51.6	51.5	51.9	51.9
Dry Years (24%)	52.9	53.2	51.8	50.4	49.2	50.5	53.5	53.3	51.6	51.7	52.0	52.3
Critical Years (16%)	58.0	55.8	52.0	50.4	49.7	50.6	52.4	52.9	52.6	52.9	53.7	56.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-3 c. Sacramento River below Keswick, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.0	0.5	-0.6	0.5	0.4	0.1	0.2	-1.5	-1.0	-1.4	-1.5	-0.3
20% Exceedance	-0.4	0.7	-0.1	0.7	0.4	0.3	0.1	-1.4	-1.0	-0.8	-1.4	-0.8
30% Exceedance	0.3	0.5	0.0	0.8	0.5	0.2	0.1	-1.4	-0.6	-0.4	-0.4	-0.4
40% Exceedance	-0.1	0.1	0.3	0.5	0.2	0.2	0.1	-1.4	-0.5	-0.4	-0.3	-0.3
50% Exceedance	-0.1	0.0	0.3	0.4	0.4	0.3	-0.0	-1.4	-0.4	-0.4	-0.4	-0.4
60% Exceedance	-0.1	-0.1	0.4	0.4	0.3	0.4	0.0	-1.4	-0.4	-0.3	-0.4	-0.4
70% Exceedance	-0.2	-0.3	0.5	0.4	0.3	0.3	0.0	-1.3	-0.4	-0.3	-0.3	-0.4
80% Exceedance	-0.3	-0.3	0.5	0.5	0.3	0.5	-0.0	-0.9	-0.4	-0.3	-0.4	-0.3
90% Exceedance	-0.1	-0.2	0.4	0.8	0.7	0.4	0.2	-0.4	-0.5	0.1	-0.3	-0.4
Full Simulation Period Average^a	-0.1	0.2	0.2	0.5	0.4	0.3	-0.0	-1.2	-0.6	-0.5	-0.8	-0.7
Wet Years (28%)	-0.3	0.1	0.5	0.3	0.2	0.1	0.1	-1.2	-0.5	-0.3	-0.4	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.1	0.4	0.3	0.3	0.2	-1.3	-0.5	-0.2	-0.4	-0.3
Below Normal Years (18%)	-0.0	0.2	0.0	0.6	0.5	0.3	-0.1	-1.3	-0.6	-0.2	-0.5	-0.5
Dry Years (24%)	0.1	0.1	0.1	0.5	0.3	0.4	0.1	-1.2	-0.5	-0.7	-0.7	-0.4
Critical Years (16%)	-0.2	0.5	0.1	1.0	0.9	0.3	-0.5	-0.9	-0.9	-0.9	-2.4	-2.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-4 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-4 b. Sacramento River below Keswick, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.6	55.6	52.6	52.0	50.3	51.9	55.2	54.5	52.7	52.9	53.6	54.7
20% Exceedance	54.3	55.1	52.5	51.4	49.9	51.1	54.1	53.9	51.9	52.3	52.5	53.4
30% Exceedance	52.9	53.8	52.3	50.6	49.4	50.9	53.6	53.6	51.7	52.0	52.0	52.3
40% Exceedance	52.4	53.0	52.1	49.8	48.7	50.4	53.3	53.3	51.7	51.8	51.8	52.0
50% Exceedance	52.3	52.8	51.7	49.2	48.2	50.0	52.8	53.1	51.6	51.7	51.7	51.9
60% Exceedance	52.2	52.3	51.5	48.6	47.8	49.6	52.3	52.8	51.4	51.6	51.7	51.7
70% Exceedance	52.0	52.1	51.3	48.1	47.5	49.1	52.0	52.6	51.3	51.4	51.6	51.7
80% Exceedance	51.8	51.7	51.0	47.3	46.9	48.5	51.3	52.5	51.2	51.3	51.5	51.6
90% Exceedance	51.4	51.2	50.5	46.5	45.6	47.6	50.7	51.8	51.0	51.1	51.4	51.4
Full Simulation Period Average^a	53.4	53.1	51.6	49.2	48.3	49.9	52.8	53.1	51.6	51.8	52.5	53.1
Wet Years (28%)	52.0	52.3	51.8	48.0	47.0	48.8	52.1	53.0	51.2	51.5	51.6	51.8
Above Normal Years (14%)	52.1	52.2	51.1	48.9	47.5	49.8	52.9	53.0	51.3	51.6	51.7	51.7
Below Normal Years (18%)	52.7	53.1	51.7	49.1	48.6	50.5	53.4	53.1	51.7	51.5	51.9	52.0
Dry Years (24%)	52.9	53.2	51.9	50.4	49.2	50.4	53.4	53.3	51.7	51.8	52.0	52.3
Critical Years (16%)	58.6	55.5	51.5	50.0	49.3	50.3	52.4	53.2	52.4	53.1	56.4	59.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-4 c. Sacramento River below Keswick, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.7	0.4	-0.7	0.5	0.3	0.1	0.2	-1.2	-0.9	-1.4	-0.9	0.2
20% Exceedance	0.2	1.0	-0.1	0.8	0.4	0.2	-0.1	-1.3	-1.1	-0.7	-1.3	-0.8
30% Exceedance	0.3	0.7	0.0	0.7	0.4	0.2	0.1	-1.4	-0.6	-0.3	-0.4	-0.2
40% Exceedance	-0.0	0.2	0.3	0.6	0.2	0.1	0.2	-1.4	-0.5	-0.4	-0.4	-0.3
50% Exceedance	-0.0	0.2	0.2	0.4	0.2	0.1	0.1	-1.4	-0.4	-0.3	-0.4	-0.3
60% Exceedance	-0.1	-0.2	0.3	0.3	0.2	0.2	0.1	-1.4	-0.4	-0.3	-0.4	-0.3
70% Exceedance	-0.2	-0.2	0.4	0.3	0.3	0.1	0.1	-1.3	-0.4	-0.3	-0.3	-0.3
80% Exceedance	-0.3	-0.4	0.3	0.3	0.2	0.2	-0.2	-0.8	-0.4	-0.3	-0.4	-0.3
90% Exceedance	-0.2	-0.2	0.3	0.2	0.0	0.1	-0.1	-0.5	-0.5	0.1	-0.3	-0.3
Full Simulation Period Average^a	0.1	0.2	0.1	0.4	0.3	0.1	-0.0	-1.1	-0.6	-0.4	-0.3	-0.2
Wet Years (28%)	-0.3	0.1	0.4	0.3	0.2	0.1	0.1	-1.2	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	0.0	-0.1	0.1	0.4	0.3	0.1	0.2	-1.3	-0.5	-0.2	-0.4	-0.3
Below Normal Years (18%)	0.4	0.4	0.0	0.4	0.3	0.1	0.0	-1.3	-0.5	-0.2	-0.4	-0.5
Dry Years (24%)	0.2	0.2	0.1	0.6	0.3	0.3	-0.0	-1.3	-0.4	-0.6	-0.7	-0.4
Critical Years (16%)	0.4	0.1	-0.4	0.6	0.5	-0.1	-0.5	-0.5	-1.1	-0.8	0.3	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-5 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-5 b. Sacramento River below Keswick, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.4	55.5	52.6	51.9	50.3	51.7	54.9	54.5	52.6	52.9	53.6	55.1
20% Exceedance	53.5	54.9	52.4	51.4	49.9	51.2	54.2	54.0	51.9	52.3	52.4	53.4
30% Exceedance	52.7	53.5	52.3	50.4	49.3	50.9	53.5	53.6	51.7	51.9	52.0	52.2
40% Exceedance	52.4	53.0	52.1	49.5	48.7	50.4	53.2	53.3	51.6	51.7	51.8	52.0
50% Exceedance	52.2	52.7	51.8	49.2	48.2	50.0	52.7	53.1	51.5	51.7	51.7	51.9
60% Exceedance	52.1	52.4	51.6	48.6	47.8	49.7	52.3	52.8	51.4	51.6	51.7	51.7
70% Exceedance	52.0	52.0	51.3	48.1	47.4	49.2	52.0	52.7	51.3	51.5	51.6	51.6
80% Exceedance	51.8	51.7	51.0	47.3	46.8	48.6	51.5	52.4	51.2	51.3	51.5	51.6
90% Exceedance	51.5	51.1	50.5	46.4	45.6	47.7	50.9	51.9	51.0	51.0	51.4	51.4
Full Simulation Period Average^a	53.4	53.1	51.7	49.2	48.2	49.9	52.8	53.2	51.6	51.8	52.5	53.2
Wet Years (28%)	51.9	52.3	51.8	48.0	47.0	48.7	52.1	53.0	51.2	51.5	51.6	51.8
Above Normal Years (14%)	52.1	52.2	51.2	48.8	47.5	49.8	52.9	53.1	51.2	51.5	51.7	51.8
Below Normal Years (18%)	52.5	52.9	51.7	49.1	48.6	50.5	53.2	53.1	51.6	51.6	52.0	52.0
Dry Years (24%)	52.7	53.1	51.9	50.3	49.2	50.5	53.5	53.3	51.7	51.8	51.9	52.2
Critical Years (16%)	59.1	55.6	51.4	49.9	49.2	50.4	52.4	53.3	52.5	53.1	56.4	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-5 c. Sacramento River below Keswick, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2.5	0.3	-0.6	0.4	0.2	-0.0	-0.1	-1.2	-0.9	-1.4	-0.9	0.6
20% Exceedance	-0.6	0.9	-0.1	0.8	0.4	0.3	0.1	-1.2	-1.1	-0.7	-1.4	-0.8
30% Exceedance	0.1	0.4	0.0	0.6	0.4	0.3	0.0	-1.4	-0.6	-0.4	-0.4	-0.3
40% Exceedance	-0.0	0.1	0.2	0.3	0.2	0.2	0.1	-1.4	-0.5	-0.4	-0.3	-0.3
50% Exceedance	-0.1	0.1	0.2	0.4	0.2	0.2	0.0	-1.3	-0.4	-0.3	-0.4	-0.3
60% Exceedance	-0.1	-0.1	0.4	0.3	0.2	0.3	0.1	-1.3	-0.4	-0.3	-0.4	-0.4
70% Exceedance	-0.2	-0.3	0.4	0.3	0.2	0.2	0.1	-1.2	-0.5	-0.2	-0.3	-0.4
80% Exceedance	-0.3	-0.4	0.3	0.3	0.1	0.3	-0.0	-0.9	-0.4	-0.3	-0.4	-0.3
90% Exceedance	-0.1	-0.3	0.3	0.1	0.1	0.1	0.1	-0.4	-0.5	0.1	-0.4	-0.4
Full Simulation Period Average^a	0.1	0.1	0.1	0.4	0.3	0.2	-0.0	-1.1	-0.6	-0.4	-0.3	-0.1
Wet Years (28%)	-0.3	0.1	0.5	0.3	0.2	0.1	0.1	-1.2	-0.5	-0.4	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.2	0.4	0.2	0.0	0.2	-1.2	-0.6	-0.2	-0.4	-0.2
Below Normal Years (18%)	0.1	0.3	0.0	0.3	0.3	0.1	-0.1	-1.3	-0.6	-0.1	-0.4	-0.4
Dry Years (24%)	-0.0	0.1	0.1	0.5	0.3	0.4	0.1	-1.2	-0.5	-0.6	-0.7	-0.5
Critical Years (16%)	0.9	0.2	-0.4	0.5	0.4	0.0	-0.4	-0.4	-1.0	-0.8	0.3	1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-6 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-6 b. Sacramento River below Keswick, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	55.9	56.0	52.9	51.7	50.5	52.2	54.0	53.8	52.6	52.8	52.9	54.2
20% Exceedance	53.4	54.1	52.7	51.1	49.9	51.5	53.7	53.6	52.1	52.2	52.4	52.9
30% Exceedance	52.7	53.3	52.4	50.4	49.3	51.0	53.3	53.5	52.0	52.1	52.1	52.4
40% Exceedance	52.4	52.9	52.1	49.9	48.9	50.7	52.9	53.2	51.9	52.0	52.1	52.2
50% Exceedance	52.3	52.8	51.8	49.1	48.4	50.3	52.5	53.0	51.9	51.9	52.0	52.1
60% Exceedance	52.2	52.6	51.6	48.5	47.7	49.9	52.0	52.8	51.8	51.8	52.0	52.0
70% Exceedance	52.0	52.4	51.3	48.1	47.4	49.4	51.8	52.6	51.7	51.7	51.9	51.9
80% Exceedance	51.9	52.2	50.9	47.6	47.0	48.9	51.6	52.1	51.5	51.6	51.8	51.8
90% Exceedance	51.6	51.4	50.5	46.9	46.1	47.9	51.2	51.5	51.4	51.4	51.7	51.7
Full Simulation Period Average^a	53.0	53.1	51.7	49.2	48.3	50.1	52.6	52.8	51.9	51.9	52.3	52.7
Wet Years (28%)	52.1	52.3	51.6	47.9	47.0	48.7	52.0	53.1	51.7	51.7	51.9	52.1
Above Normal Years (14%)	52.1	52.5	51.3	48.6	47.4	49.8	52.7	52.9	51.8	51.7	52.0	52.0
Below Normal Years (18%)	52.2	52.6	51.5	49.3	48.8	50.8	53.1	53.2	51.8	51.7	52.0	52.0
Dry Years (24%)	52.9	53.2	51.8	50.2	49.1	51.0	53.2	52.5	51.8	51.9	52.1	52.5
Critical Years (16%)	57.0	55.8	52.5	50.5	49.7	50.9	51.9	52.3	52.5	52.8	53.7	55.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-6 c. Sacramento River below Keswick, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.0	0.7	-0.3	0.2	0.5	0.4	-1.0	-2.0	-1.0	-1.5	-1.5	-0.3
20% Exceedance	-0.7	0.0	0.1	0.6	0.4	0.6	-0.4	-1.7	-0.9	-0.8	-1.4	-1.3
30% Exceedance	0.1	0.1	0.2	0.5	0.4	0.3	-0.2	-1.5	-0.3	-0.2	-0.3	-0.1
40% Exceedance	-0.0	0.0	0.3	0.7	0.4	0.4	-0.1	-1.6	-0.2	-0.2	-0.0	-0.1
50% Exceedance	0.0	0.2	0.2	0.3	0.4	0.5	-0.2	-1.5	-0.0	-0.1	-0.0	-0.1
60% Exceedance	-0.1	0.1	0.4	0.2	0.1	0.6	-0.2	-1.3	-0.1	-0.1	-0.0	-0.1
70% Exceedance	-0.2	0.1	0.4	0.3	0.2	0.4	-0.1	-1.3	-0.0	-0.0	-0.1	-0.1
80% Exceedance	-0.2	0.0	0.2	0.6	0.3	0.5	0.1	-1.2	-0.1	0.0	-0.1	-0.1
90% Exceedance	0.0	-0.0	0.3	0.6	0.6	0.4	0.3	-0.8	-0.0	0.4	-0.1	-0.0
Full Simulation Period Average^a	-0.2	0.2	0.2	0.4	0.3	0.4	-0.3	-1.4	-0.3	-0.3	-0.6	-0.6
Wet Years (28%)	-0.1	0.1	0.2	0.1	0.1	-0.0	0.0	-1.1	-0.0	-0.1	0.0	-0.0
Above Normal Years (14%)	-0.0	0.2	0.2	0.1	0.1	0.1	-0.1	-1.4	0.0	-0.0	-0.1	-0.0
Below Normal Years (18%)	-0.2	-0.0	-0.1	0.6	0.5	0.4	-0.2	-1.2	-0.4	0.0	-0.4	-0.4
Dry Years (24%)	0.1	0.2	0.0	0.4	0.2	0.8	-0.3	-2.0	-0.3	-0.5	-0.5	-0.3
Critical Years (16%)	-1.2	0.4	0.6	1.1	0.9	0.6	-0.9	-1.4	-1.0	-1.1	-2.4	-2.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-7 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-7 b. Sacramento River below Keswick, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.6	55.3	54.3	51.6	50.2	52.0	55.1	55.3	53.8	54.1	54.1	54.3
20% Exceedance	54.1	53.6	53.8	50.7	49.7	51.4	54.2	54.8	53.1	53.1	52.7	52.6
30% Exceedance	52.7	52.9	53.5	50.0	49.0	50.8	53.6	54.4	52.6	52.2	52.4	52.3
40% Exceedance	52.4	52.8	53.0	49.4	48.4	50.4	53.2	53.9	52.1	52.1	52.2	52.2
50% Exceedance	52.3	52.6	52.4	48.8	48.0	50.2	52.7	53.5	51.9	52.0	52.1	52.1
60% Exceedance	52.2	52.5	52.2	48.3	47.5	49.5	52.3	53.3	51.8	51.9	52.0	52.0
70% Exceedance	52.1	52.0	51.8	47.8	47.3	49.0	52.0	53.0	51.7	51.8	51.9	51.9
80% Exceedance	52.0	51.6	51.1	47.2	46.8	48.6	51.5	52.7	51.6	51.6	51.9	51.8
90% Exceedance	51.8	51.2	50.5	46.7	45.8	47.6	50.9	52.2	51.4	51.1	51.8	51.7
Full Simulation Period Average^a	53.1	52.8	52.5	48.9	48.1	49.9	52.8	53.7	52.3	52.2	52.5	52.7
Wet Years (28%)	52.3	52.2	52.4	47.7	46.8	48.6	52.0	53.4	51.8	51.8	52.0	52.1
Above Normal Years (14%)	52.2	52.3	51.9	48.5	47.3	49.7	52.9	53.4	52.0	51.7	52.0	52.0
Below Normal Years (18%)	52.3	52.3	52.4	49.0	48.5	50.6	53.1	53.7	52.2	51.8	52.3	52.2
Dry Years (24%)	52.7	52.7	52.7	49.9	49.0	50.4	53.4	54.2	52.1	52.1	52.3	52.2
Critical Years (16%)	57.2	55.4	52.8	49.8	49.2	50.6	53.0	53.5	53.6	53.8	54.6	55.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-7 c. Sacramento River below Keswick, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.3	0.1	1.1	0.1	0.2	0.3	0.1	-0.4	0.2	-0.2	-0.3	-0.2
20% Exceedance	0.0	-0.5	1.3	0.1	0.2	0.5	0.1	-0.5	0.1	0.1	-1.1	-1.6
30% Exceedance	0.1	-0.2	1.3	0.1	0.0	0.1	0.1	-0.6	0.3	-0.1	-0.0	-0.2
40% Exceedance	-0.0	-0.0	1.2	0.2	-0.1	0.1	0.2	-0.8	-0.0	-0.0	0.0	-0.1
50% Exceedance	-0.0	-0.0	0.9	-0.0	0.0	0.4	-0.0	-1.0	0.0	-0.0	-0.0	-0.1
60% Exceedance	-0.0	-0.1	0.9	0.0	-0.1	0.2	0.1	-0.8	-0.0	-0.0	-0.0	-0.1
70% Exceedance	-0.1	-0.3	0.8	0.0	0.1	-0.0	0.0	-0.9	-0.0	0.0	-0.0	-0.1
80% Exceedance	-0.1	-0.5	0.4	0.2	0.1	0.2	0.1	-0.6	-0.0	-0.0	-0.0	-0.1
90% Exceedance	0.2	-0.2	0.3	0.4	0.2	0.1	0.1	-0.1	-0.1	0.1	0.1	-0.1
Full Simulation Period Average^a	-0.1	-0.1	0.9	0.1	0.1	0.1	0.0	-0.6	0.1	-0.0	-0.3	-0.6
Wet Years (28%)	0.1	0.0	1.0	-0.1	-0.1	-0.1	0.0	-0.8	0.1	0.0	0.0	-0.0
Above Normal Years (14%)	0.1	0.0	0.9	0.1	0.0	-0.0	0.1	-0.9	0.2	-0.0	0.0	-0.0
Below Normal Years (18%)	-0.0	-0.4	0.8	0.2	0.2	0.2	-0.2	-0.7	0.1	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.4	0.9	0.1	0.1	0.3	0.0	-0.3	-0.0	-0.3	-0.4	-0.5
Critical Years (16%)	-1.0	0.1	1.0	0.4	0.4	0.2	0.2	-0.2	0.1	-0.1	-1.5	-2.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-8 a. Sacramento River below Keswick, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	54.9	55.2	53.2	51.5	50.0	51.8	55.0	55.8	53.5	54.3	54.4	54.5
20% Exceedance	54.1	54.0	52.6	50.6	49.5	50.9	54.1	55.2	53.0	53.0	53.8	54.2
30% Exceedance	52.6	53.2	52.3	49.8	49.0	50.7	53.5	55.0	52.3	52.3	52.4	52.5
40% Exceedance	52.4	52.8	51.8	49.2	48.5	50.2	53.1	54.8	52.1	52.1	52.1	52.3
50% Exceedance	52.3	52.6	51.6	48.8	48.0	49.8	52.7	54.5	51.9	52.0	52.1	52.2
60% Exceedance	52.2	52.5	51.2	48.2	47.6	49.3	52.2	54.1	51.8	51.9	52.0	52.1
70% Exceedance	52.2	52.3	50.9	47.8	47.2	49.0	51.9	53.9	51.7	51.7	51.9	52.0
80% Exceedance	52.0	52.1	50.7	47.0	46.7	48.4	51.5	53.3	51.6	51.6	51.9	51.9
90% Exceedance	51.6	51.4	50.2	46.3	45.5	47.5	50.9	52.3	51.4	50.9	51.7	51.8
Full Simulation Period Average^a	53.3	53.0	51.5	48.8	48.0	49.7	52.8	54.3	52.2	52.3	52.9	53.3
Wet Years (28%)	52.2	52.2	51.4	47.7	46.9	48.7	52.0	54.2	51.7	51.8	51.9	52.1
Above Normal Years (14%)	52.1	52.3	51.0	48.5	47.3	49.7	52.7	54.3	51.8	51.8	52.0	52.0
Below Normal Years (18%)	52.4	52.7	51.7	48.8	48.3	50.4	53.3	54.4	52.2	51.7	52.3	52.4
Dry Years (24%)	52.8	53.0	51.8	49.8	48.9	50.1	53.4	54.5	52.1	52.4	52.7	52.7
Critical Years (16%)	58.2	55.3	51.8	49.4	48.8	50.3	52.9	53.7	53.5	53.9	56.1	58.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-8 b. Sacramento River below Keswick, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.4	52.7	52.0	50.4	52.1	55.0	54.3	52.6	52.9	52.9	54.8
20% Exceedance	53.5	54.4	52.4	51.2	50.0	51.4	54.1	54.0	52.0	52.0	52.3	52.9
30% Exceedance	52.7	53.3	52.3	50.2	49.4	51.1	53.6	53.6	51.8	51.9	52.0	52.2
40% Exceedance	52.4	52.9	52.1	49.6	48.8	50.7	53.3	53.3	51.7	51.7	51.8	51.9
50% Exceedance	52.2	52.7	51.8	49.1	48.3	50.3	52.7	53.1	51.5	51.7	51.7	51.8
60% Exceedance	52.1	52.5	51.6	48.6	47.8	49.8	52.3	52.8	51.4	51.6	51.6	51.7
70% Exceedance	51.9	52.3	51.3	48.1	47.4	49.2	52.0	52.7	51.3	51.5	51.6	51.6
80% Exceedance	51.8	52.0	51.2	47.5	47.1	48.6	51.6	52.6	51.2	51.3	51.5	51.5
90% Exceedance	51.5	51.5	50.5	46.9	46.1	47.8	50.9	52.0	51.0	51.0	51.4	51.4
Full Simulation Period Average^a	53.2	53.1	51.7	49.3	48.3	50.0	52.9	53.1	51.6	51.8	52.1	52.7
Wet Years (28%)	52.0	52.4	51.8	48.0	47.0	48.7	52.1	53.0	51.2	51.5	51.6	51.7
Above Normal Years (14%)	51.9	52.2	51.2	48.8	47.5	49.8	53.0	53.1	51.3	51.5	51.6	51.6
Below Normal Years (18%)	52.4	52.9	51.7	49.3	48.8	50.7	53.1	53.1	51.7	51.5	51.9	51.9
Dry Years (24%)	52.6	52.9	51.8	50.4	49.2	50.8	53.6	53.3	51.7	51.8	51.9	52.1
Critical Years (16%)	58.3	55.8	51.8	50.1	49.6	50.8	52.8	53.0	52.5	52.9	53.9	56.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-7-8 c. Sacramento River below Keswick, Action 5 Minus NAA, Monthly Temperature (DEG-F)

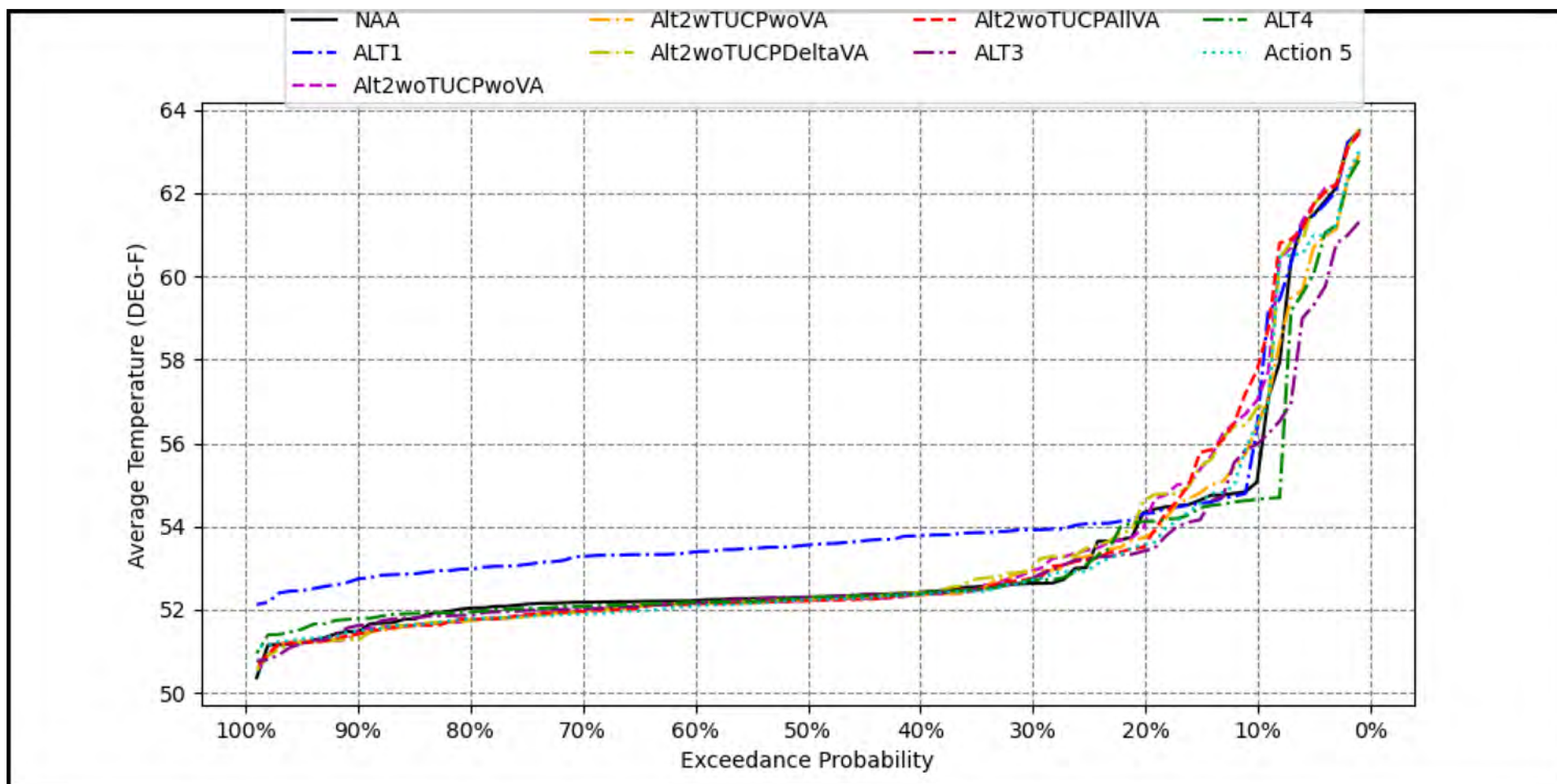
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.1	0.2	-0.5	0.5	0.4	0.4	0.1	-1.5	-0.9	-1.4	-1.6	0.3
20% Exceedance	-0.6	0.4	-0.1	0.6	0.5	0.5	0.0	-1.2	-1.0	-1.0	-1.5	-1.2
30% Exceedance	0.1	0.1	0.0	0.4	0.4	0.5	0.1	-1.4	-0.5	-0.4	-0.4	-0.3
40% Exceedance	-0.0	0.0	0.2	0.4	0.3	0.4	0.3	-1.4	-0.5	-0.4	-0.3	-0.4
50% Exceedance	-0.1	0.1	0.3	0.3	0.4	0.5	0.0	-1.3	-0.4	-0.3	-0.4	-0.4
60% Exceedance	-0.1	0.0	0.3	0.3	0.3	0.4	0.1	-1.3	-0.4	-0.3	-0.4	-0.4
70% Exceedance	-0.3	-0.0	0.4	0.4	0.2	0.2	0.1	-1.2	-0.4	-0.3	-0.4	-0.4
80% Exceedance	-0.3	-0.1	0.4	0.5	0.4	0.3	0.1	-0.7	-0.4	-0.2	-0.4	-0.4
90% Exceedance	-0.1	0.1	0.3	0.6	0.6	0.2	0.1	-0.3	-0.5	0.0	-0.3	-0.4
Full Simulation Period Average^a	-0.1	0.1	0.2	0.5	0.4	0.3	0.1	-1.1	-0.6	-0.5	-0.8	-0.6
Wet Years (28%)	-0.2	0.2	0.4	0.2	0.1	0.0	0.1	-1.2	-0.5	-0.4	-0.4	-0.4
Above Normal Years (14%)	-0.2	-0.1	0.1	0.3	0.3	0.0	0.2	-1.2	-0.5	-0.2	-0.4	-0.4
Below Normal Years (18%)	0.1	0.3	0.1	0.6	0.5	0.3	-0.2	-1.3	-0.5	-0.2	-0.5	-0.5
Dry Years (24%)	-0.2	-0.1	0.1	0.6	0.3	0.7	0.2	-1.2	-0.5	-0.6	-0.8	-0.6
Critical Years (16%)	0.1	0.5	-0.0	0.7	0.8	0.4	-0.0	-0.7	-1.0	-1.0	-2.2	-1.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

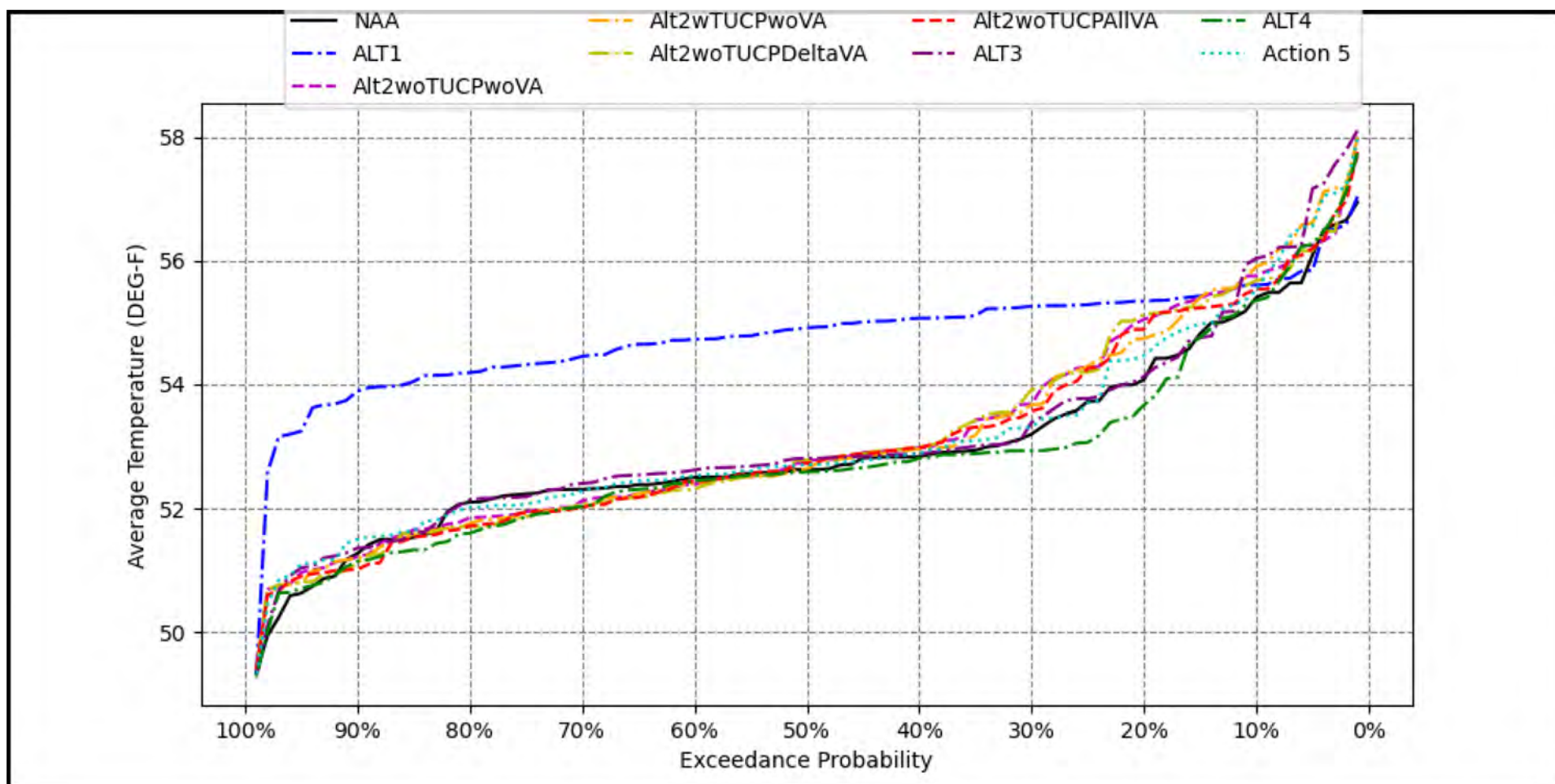
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



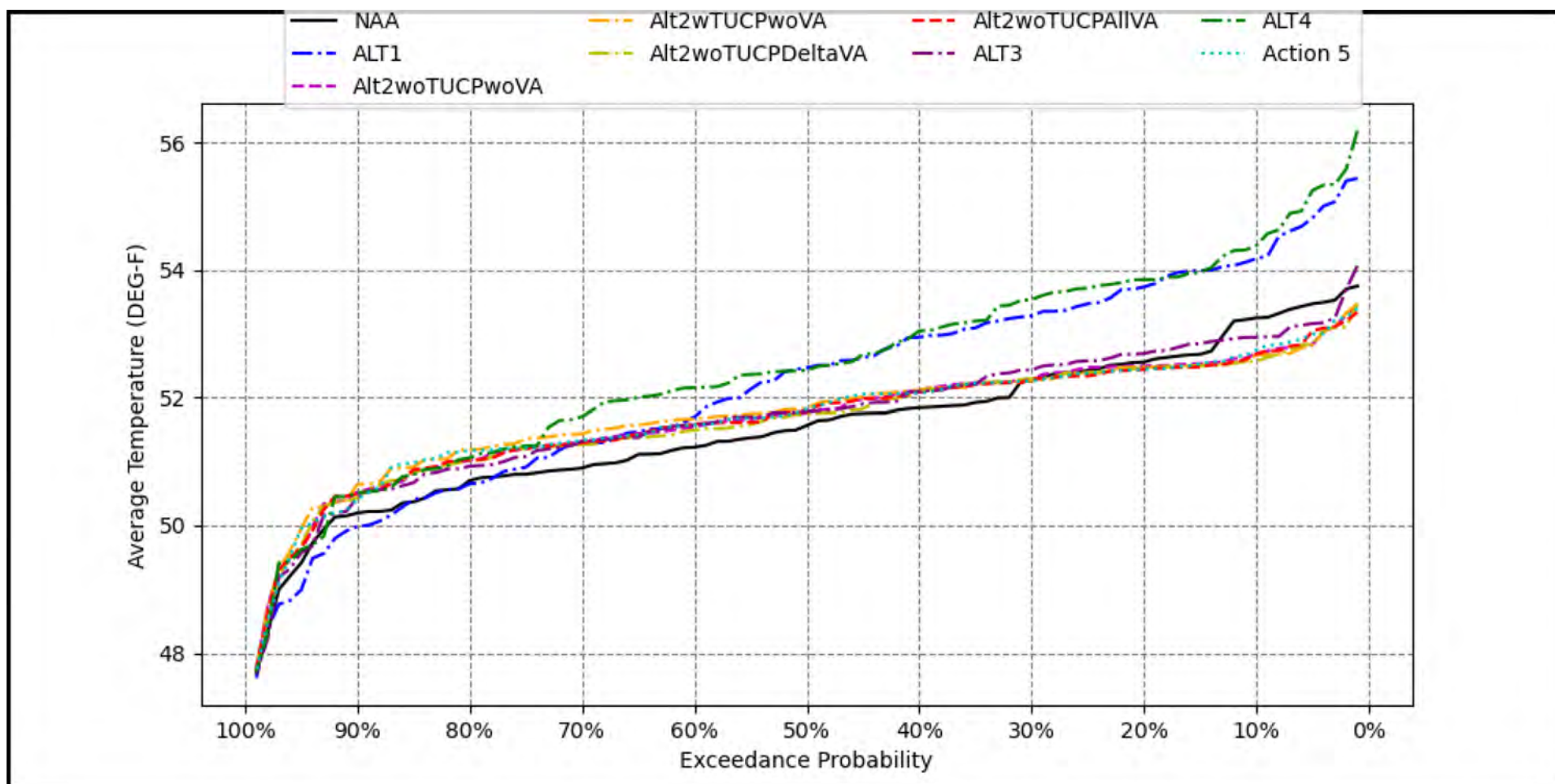
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-1 Sacramento River below Keswick, October Temperature



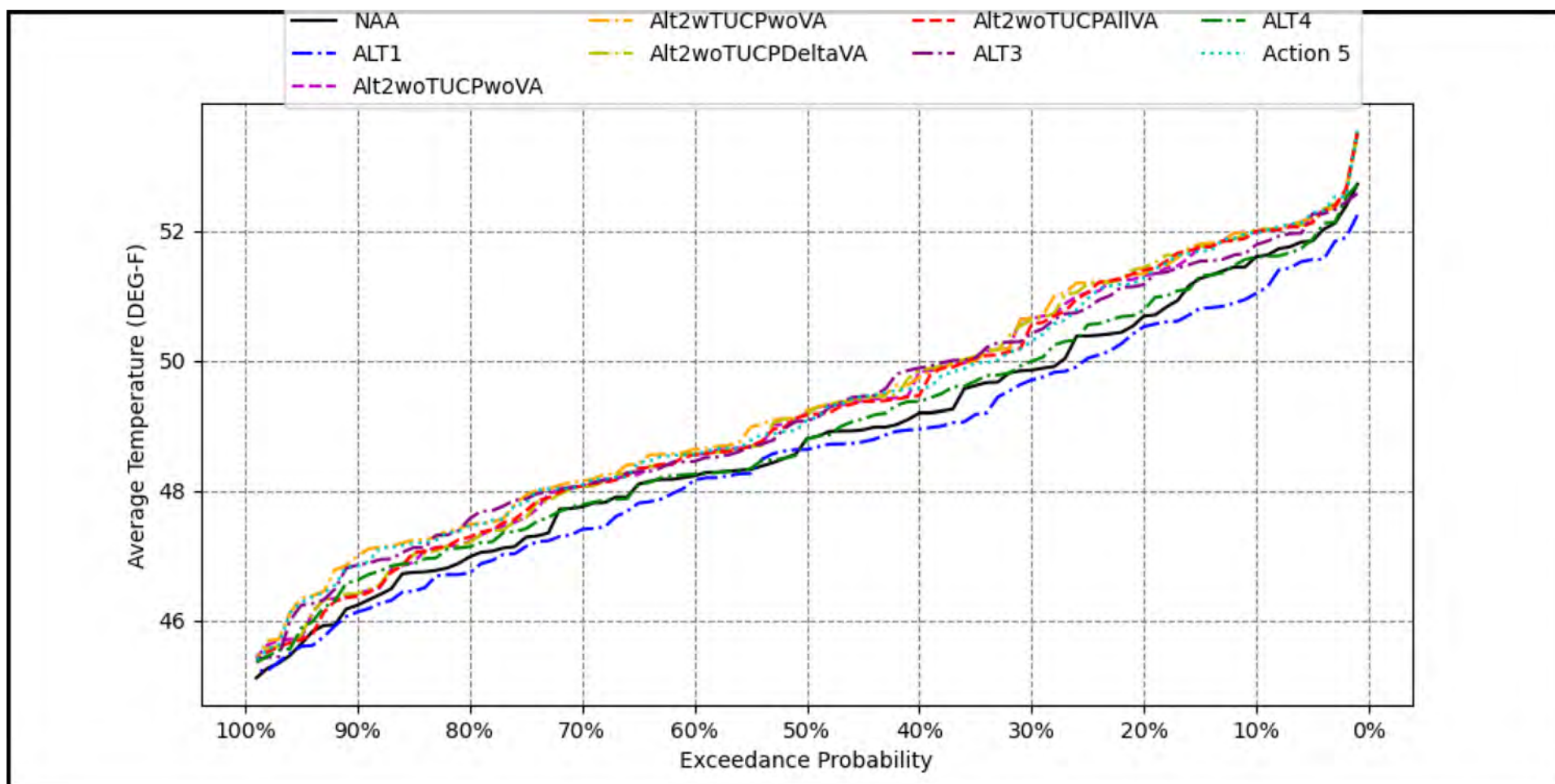
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-2 Sacramento River below Keswick, November Temperature



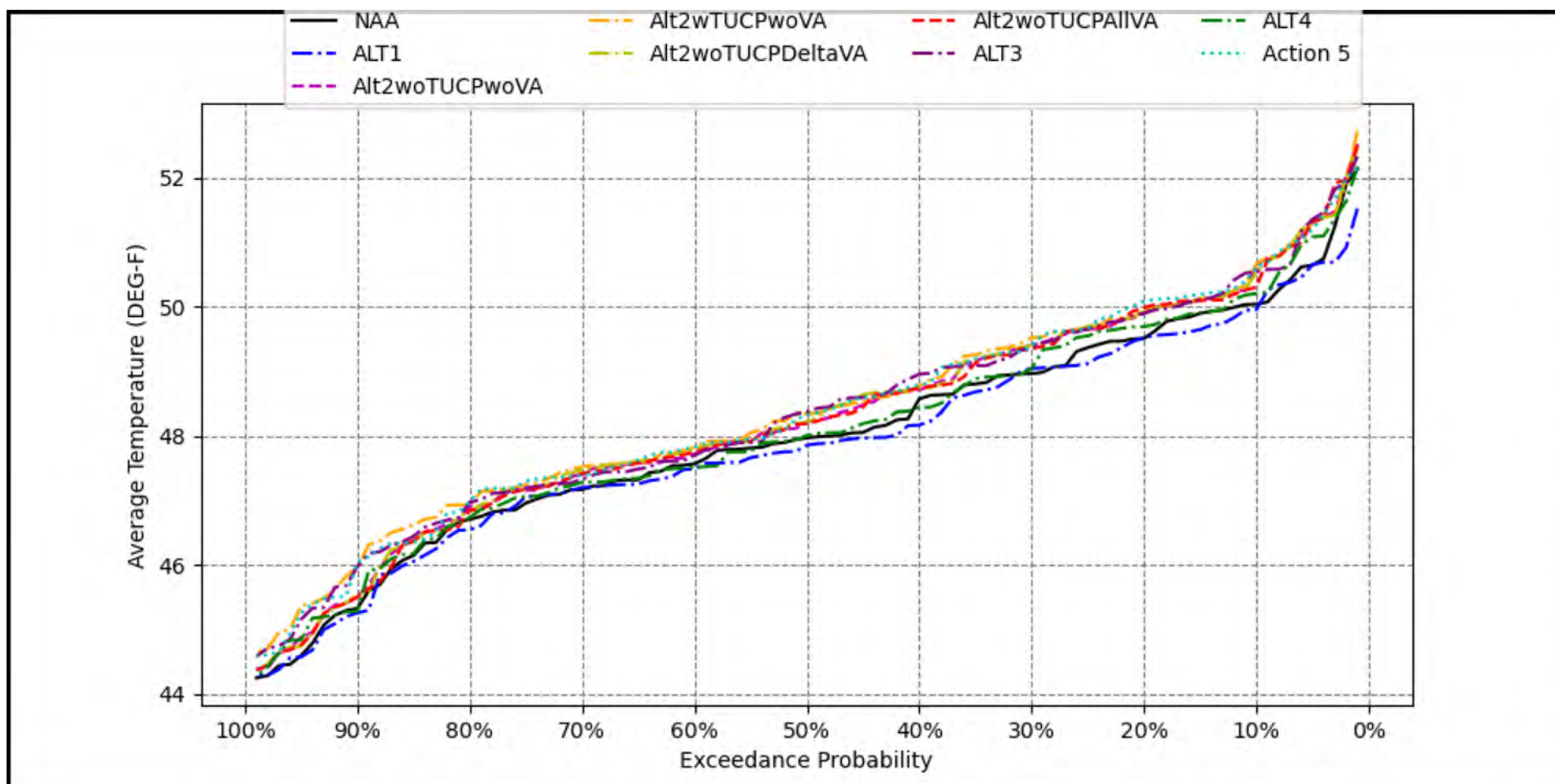
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-3 Sacramento River below Keswick, December Temperature



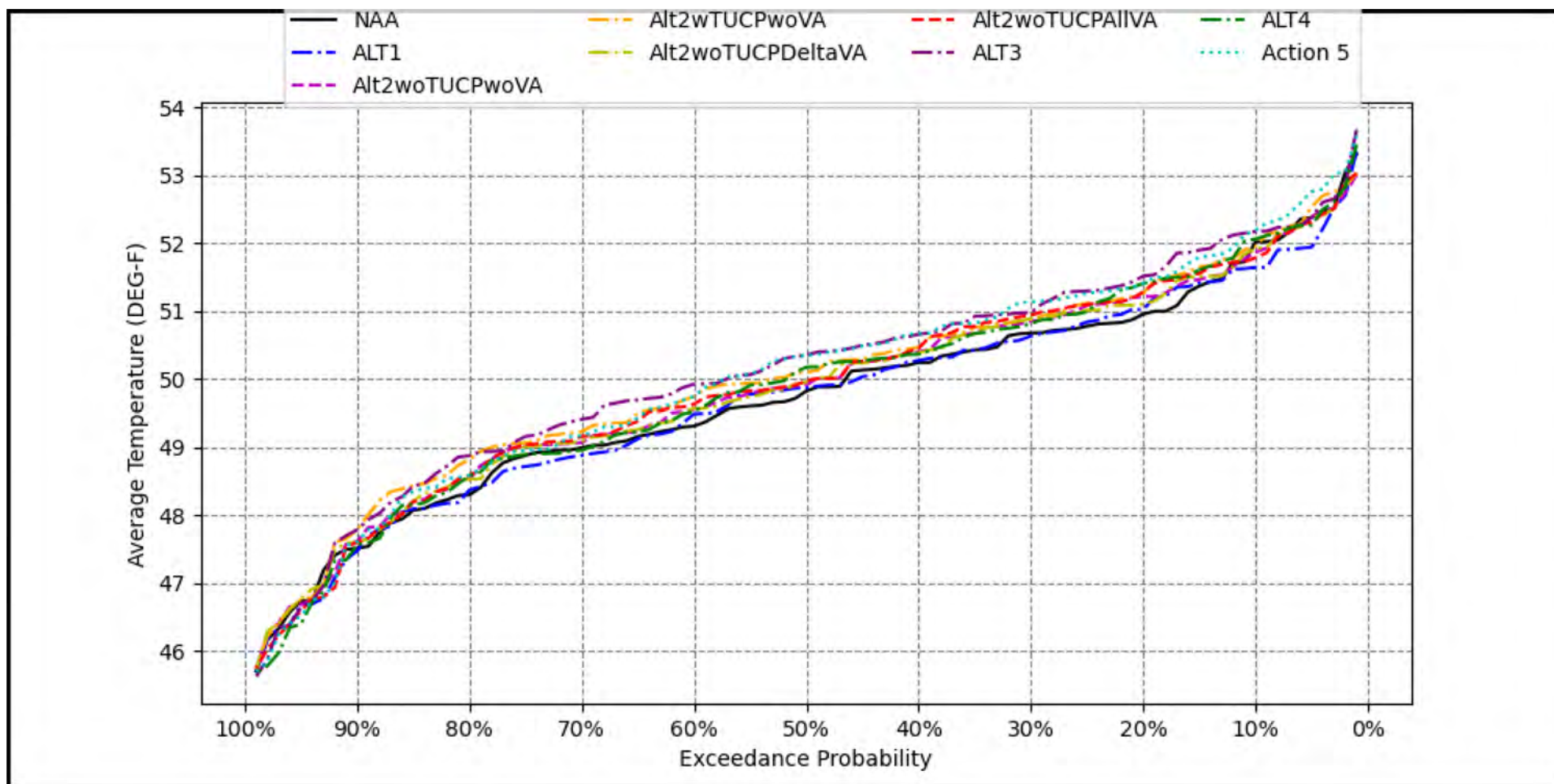
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-4 Sacramento River below Keswick, January Temperature



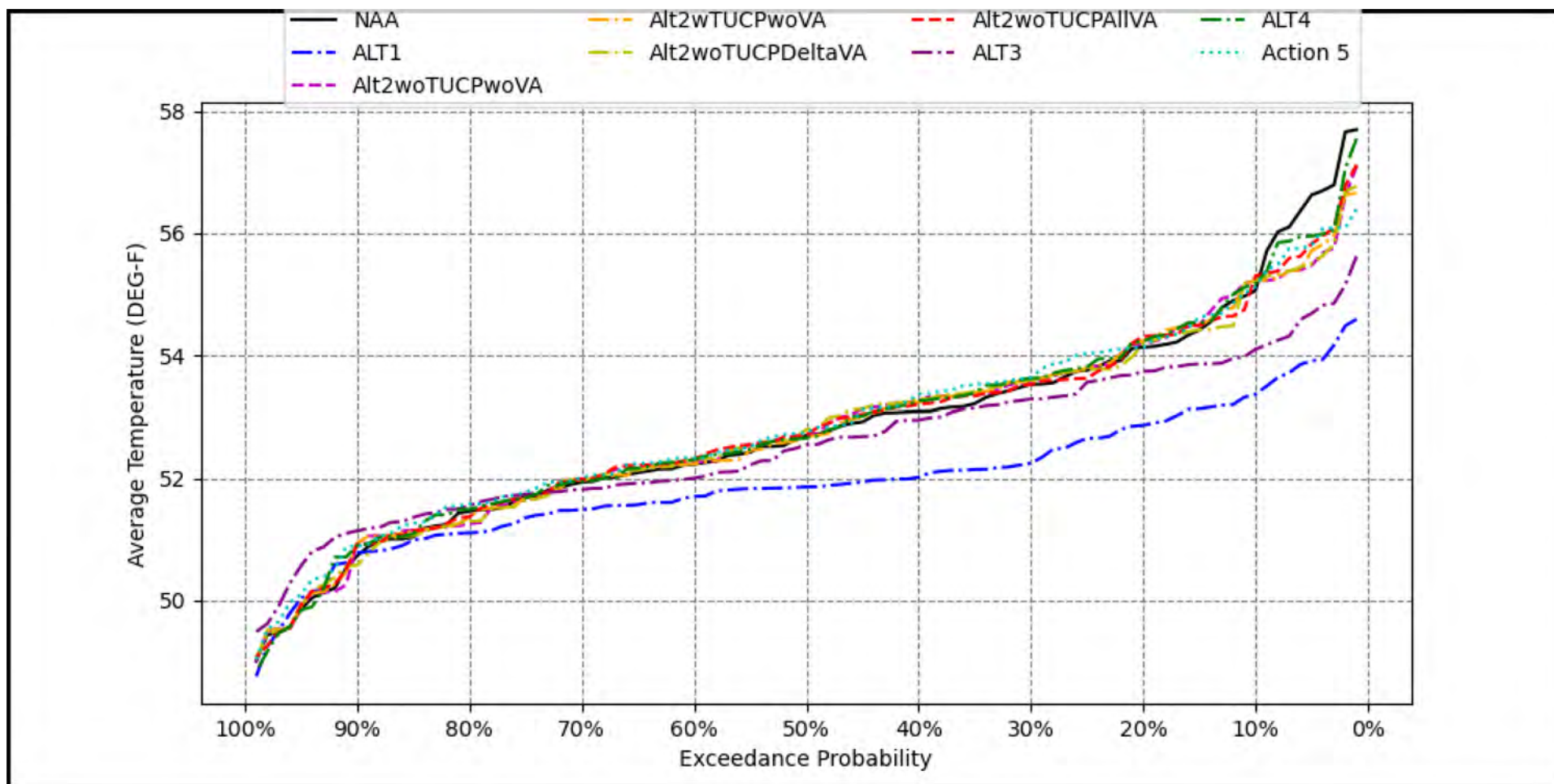
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-5 Sacramento River below Keswick, February Temperature



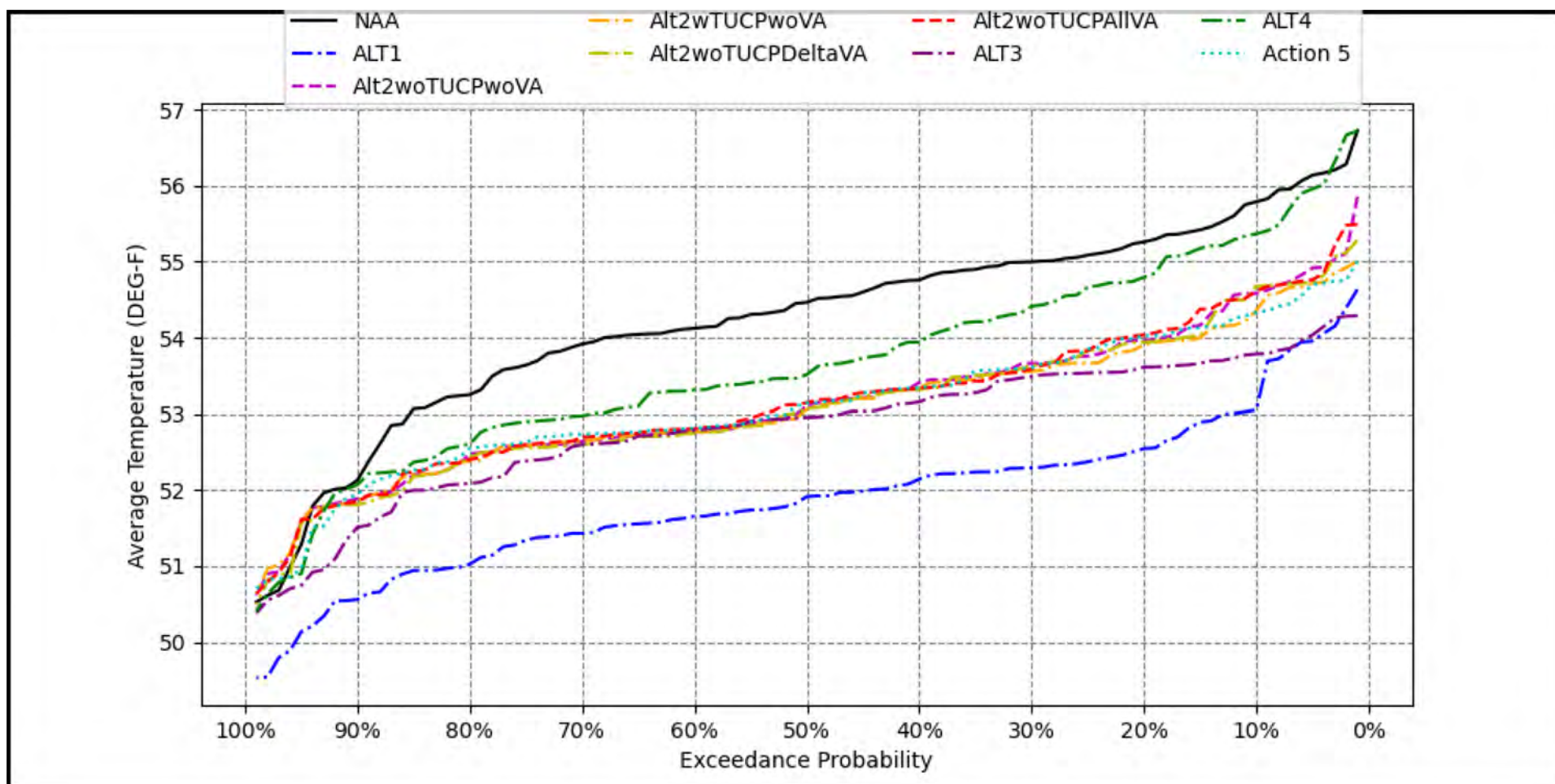
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-6 Sacramento River below Keswick, March Temperature



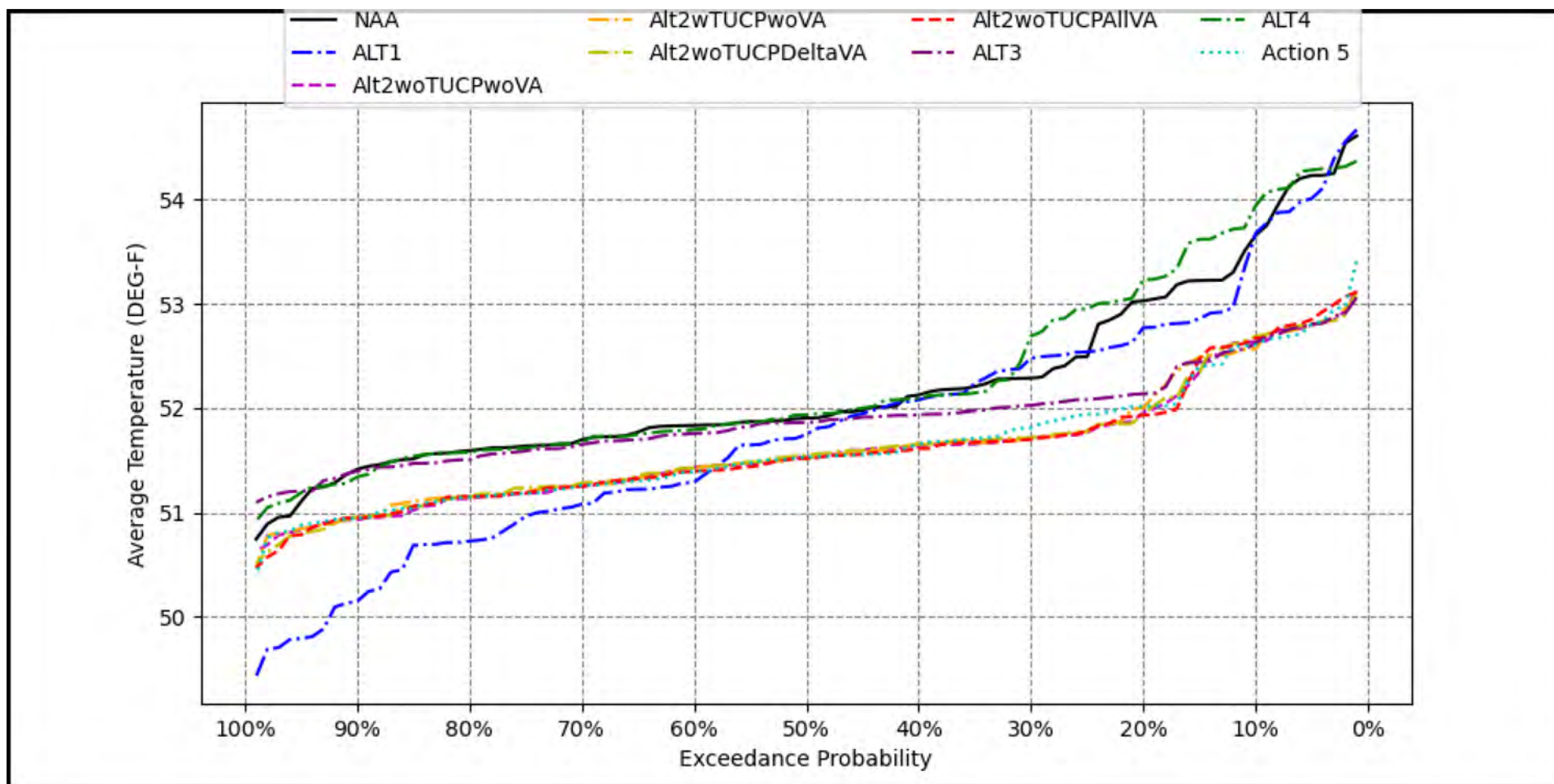
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-7 Sacramento River below Keswick, April Temperature



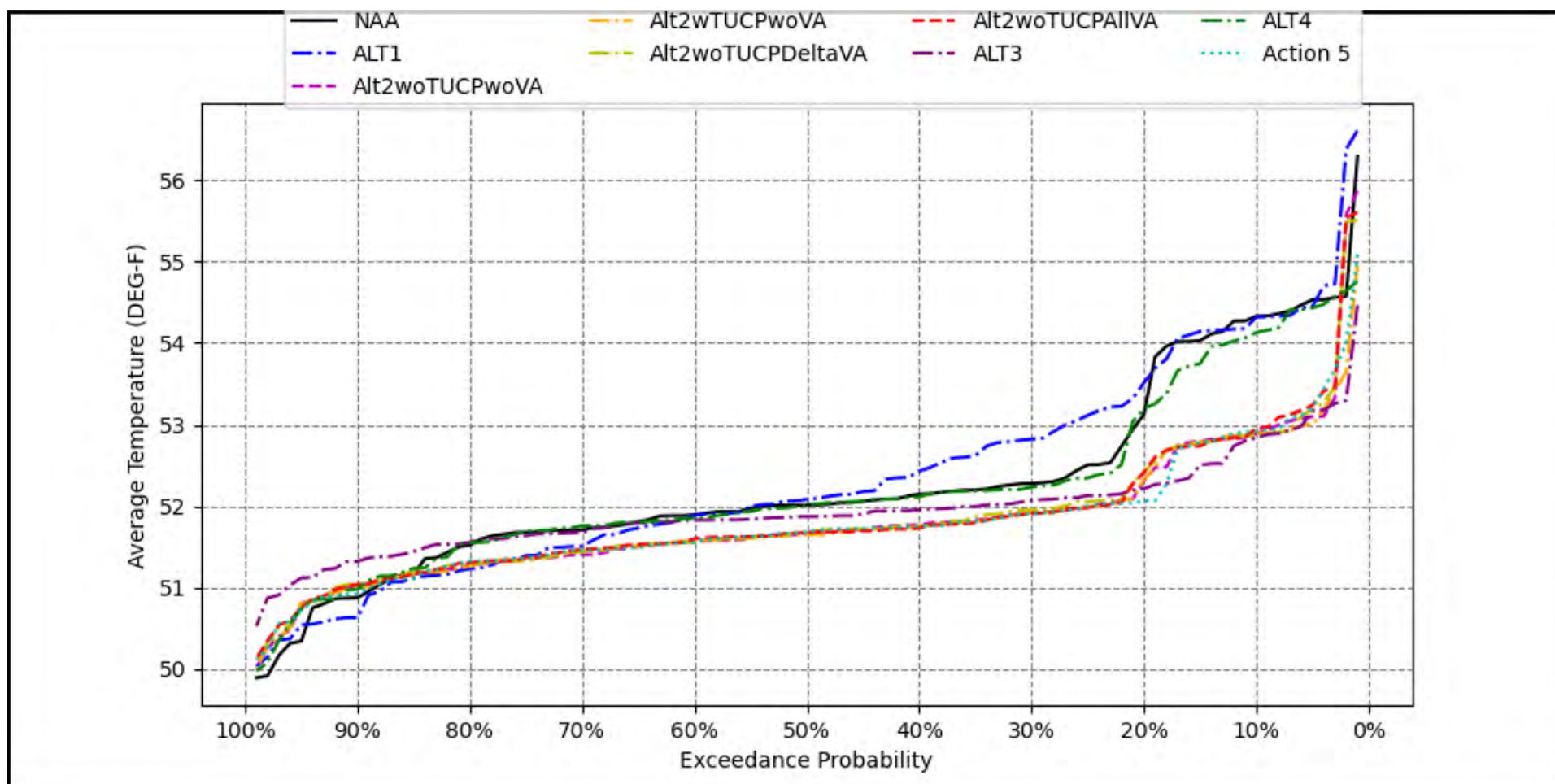
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-8 Sacramento River below Keswick, May Temperature



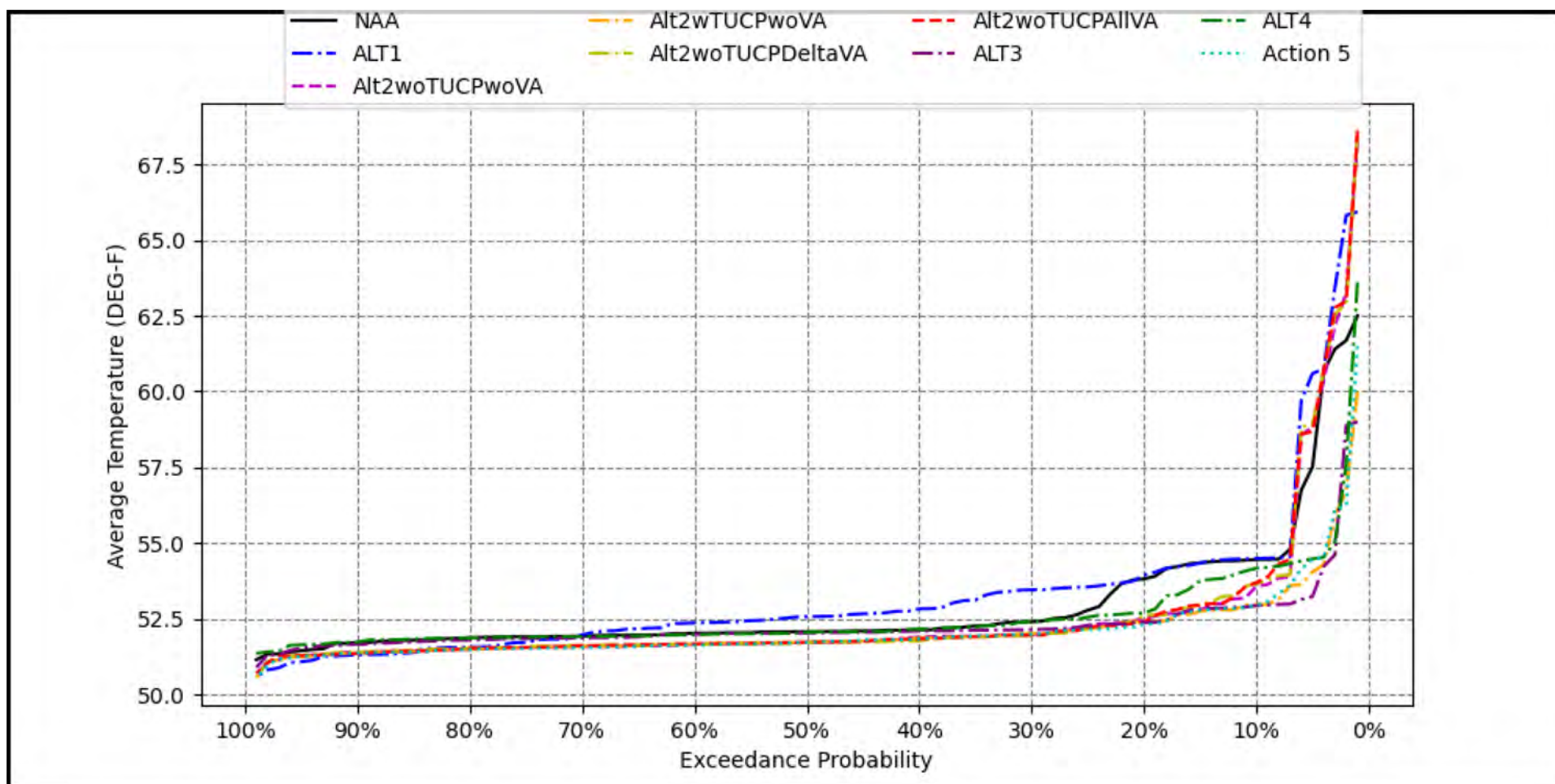
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-9 Sacramento River below Keswick, June Temperature



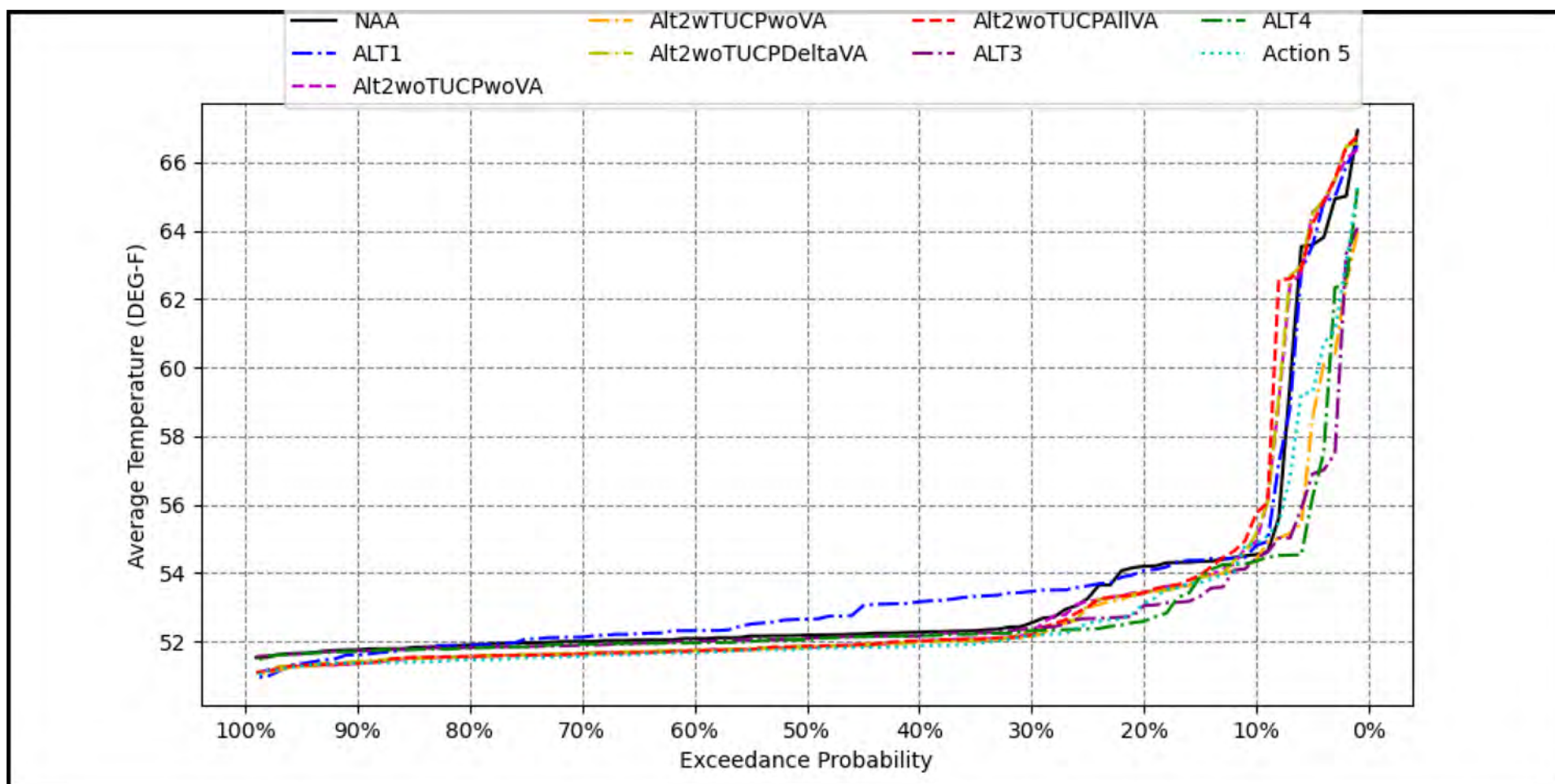
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-10 Sacramento River below Keswick, July Temperature



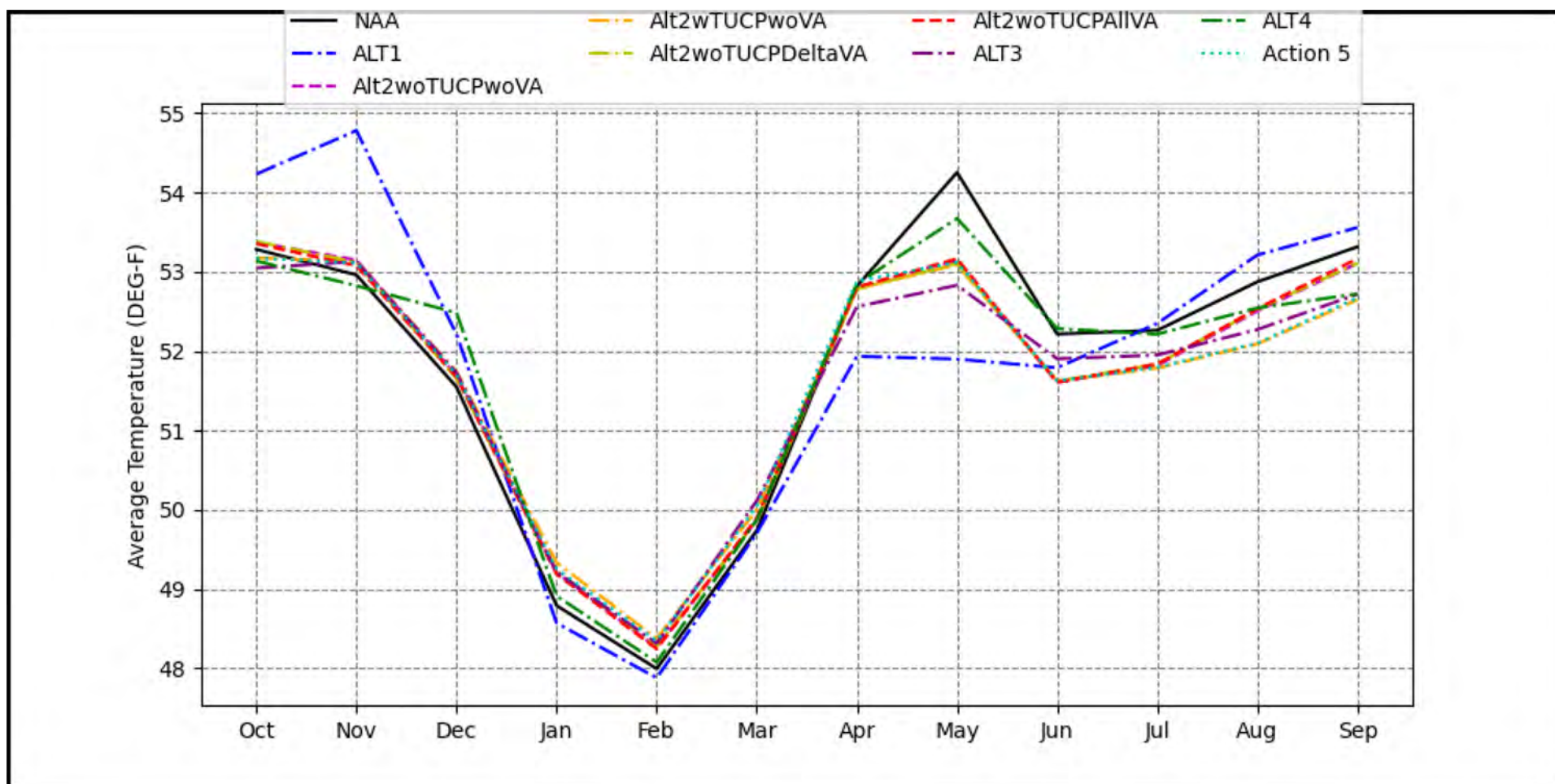
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-11 Sacramento River below Keswick, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-12 Sacramento River below Keswick, September Temperature

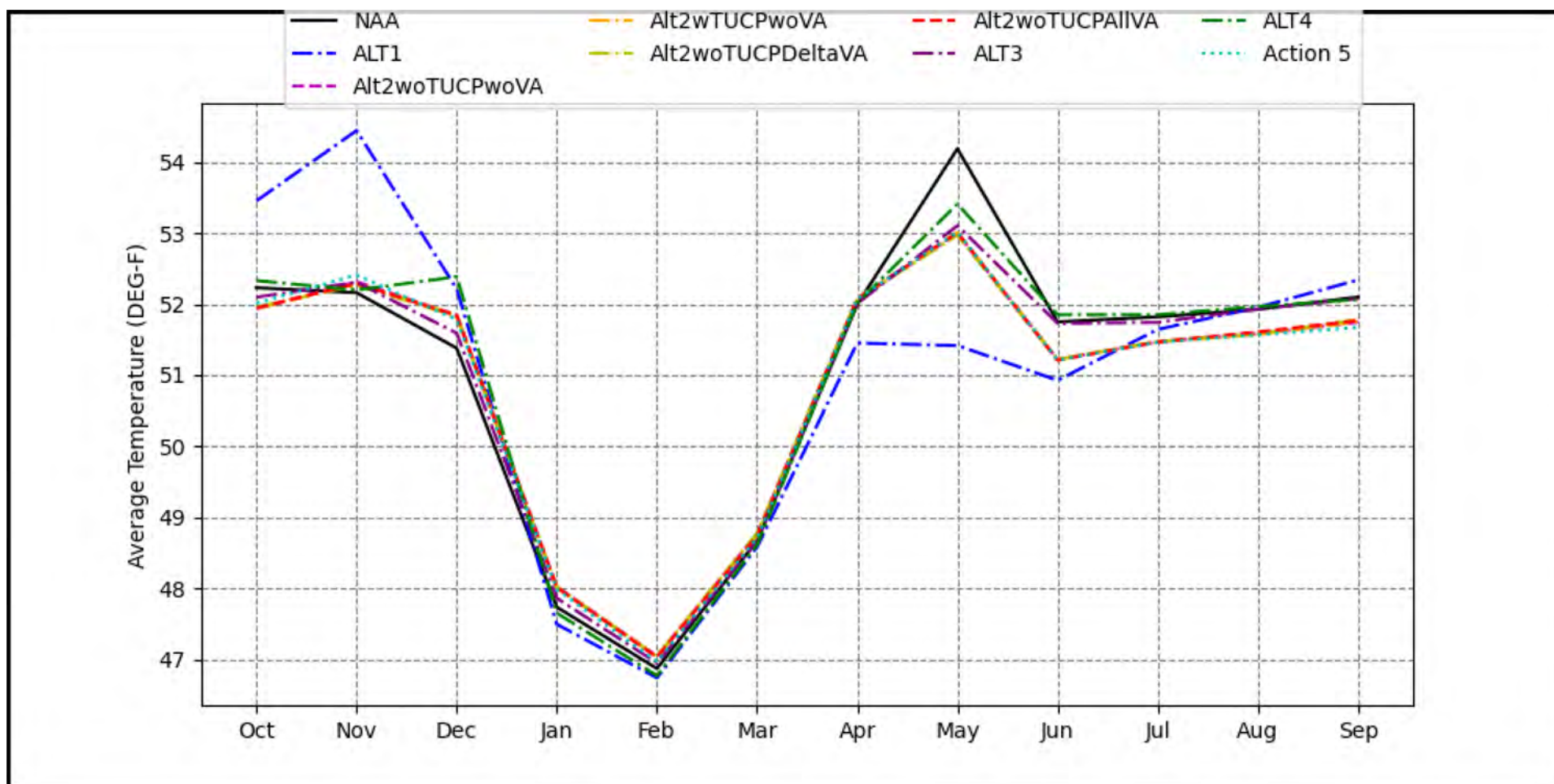


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-13 Sacramento River below Keswick, Long Term Average Temperature (DEG-F)

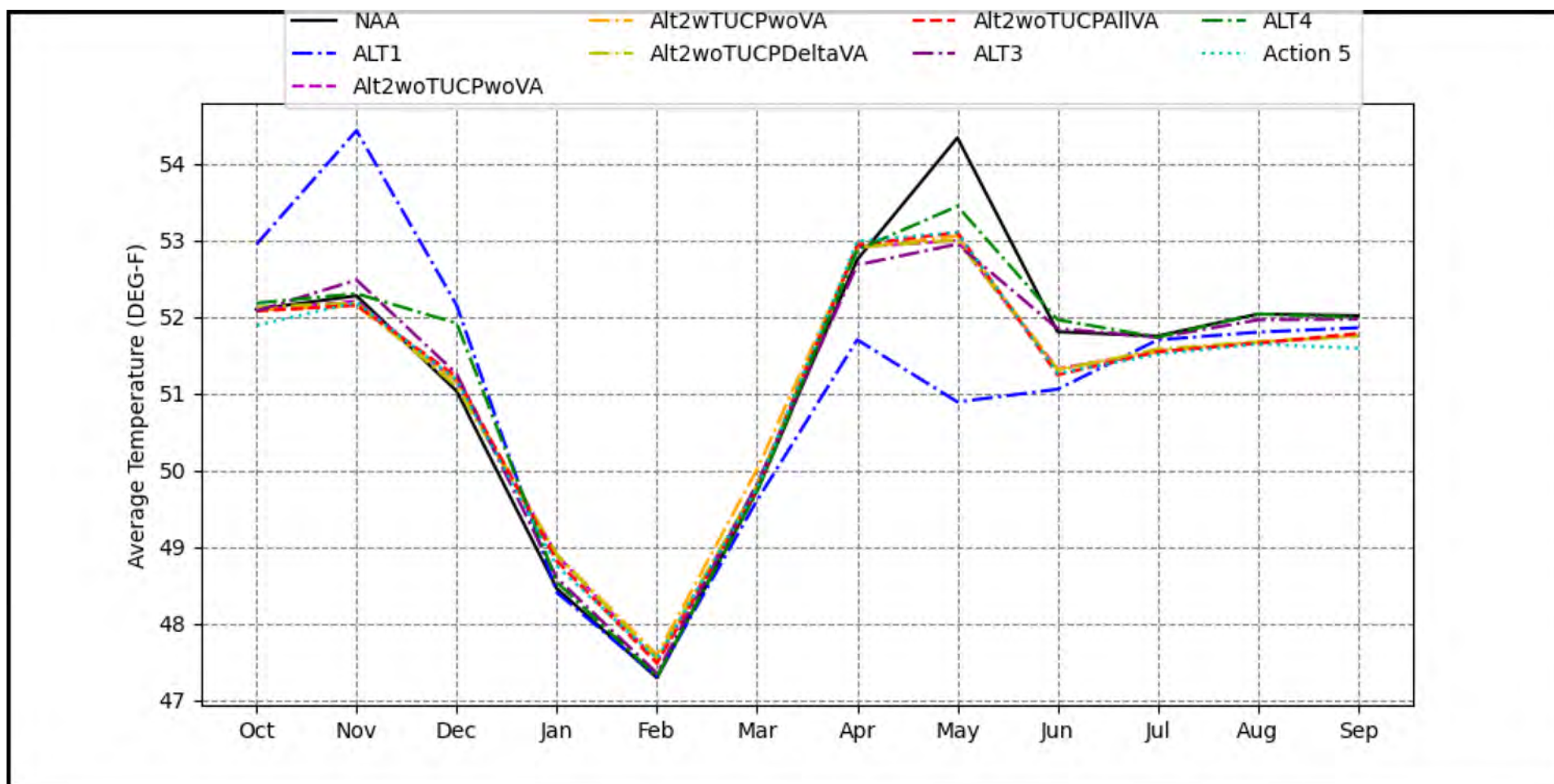


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-14 Sacramento River below Keswick, Wet Year Average Temperature (DEG-F)

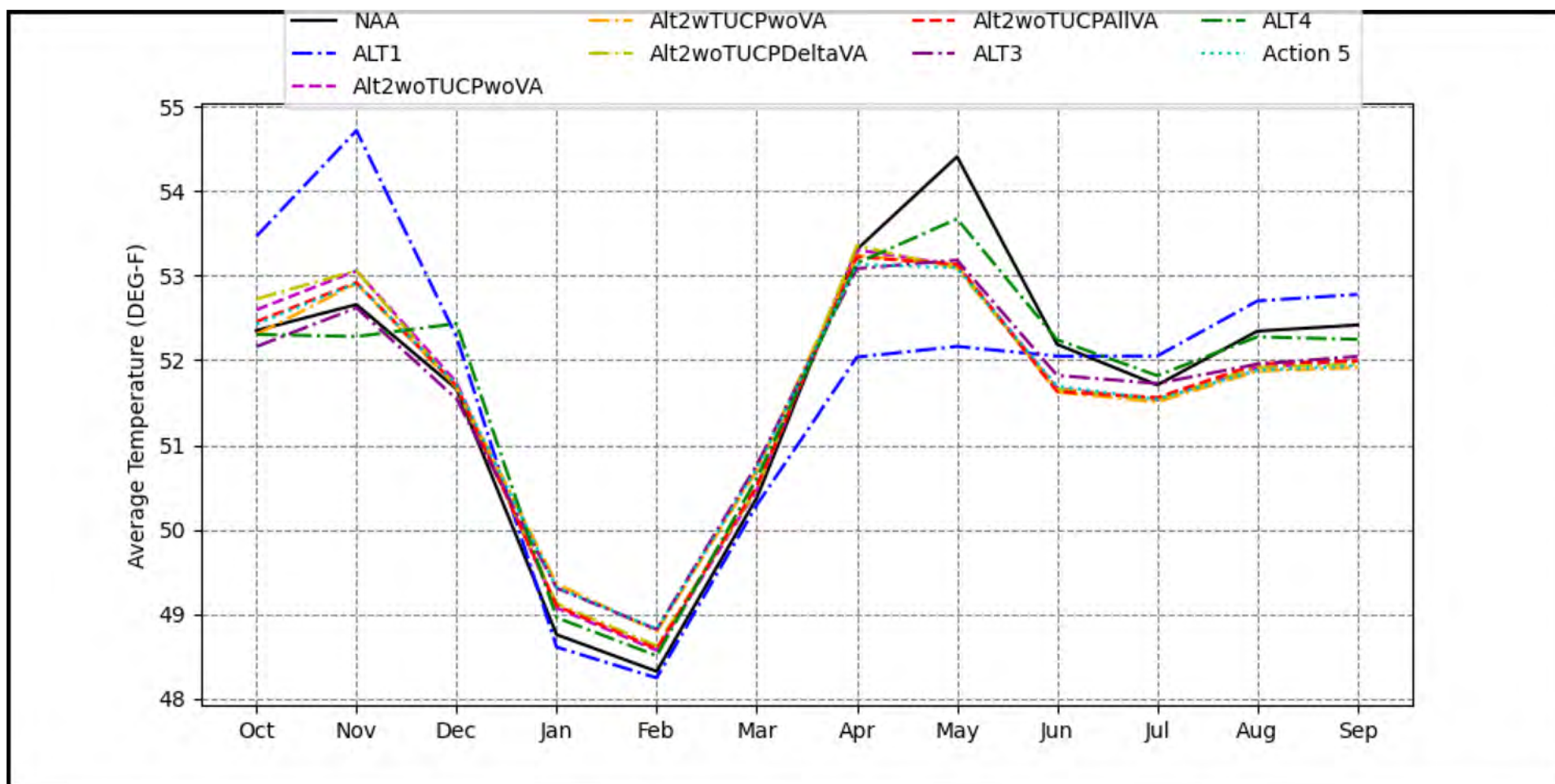


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-15 Sacramento River below Keswick, Above Normal Year Average Temperature (DEG-F)

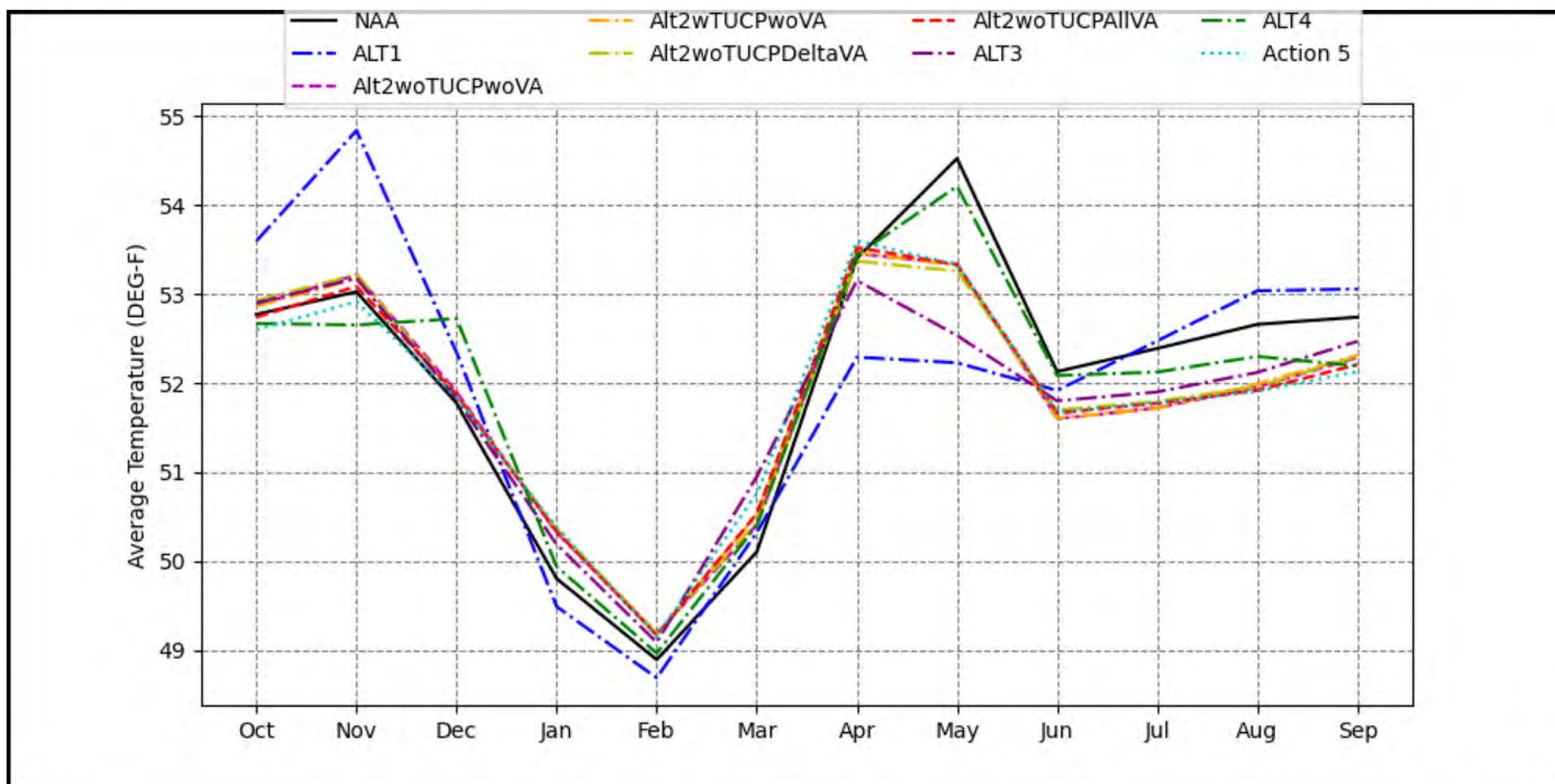


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-16 Sacramento River below Keswick, Below Normal Year Average Temperature (DEG-F)

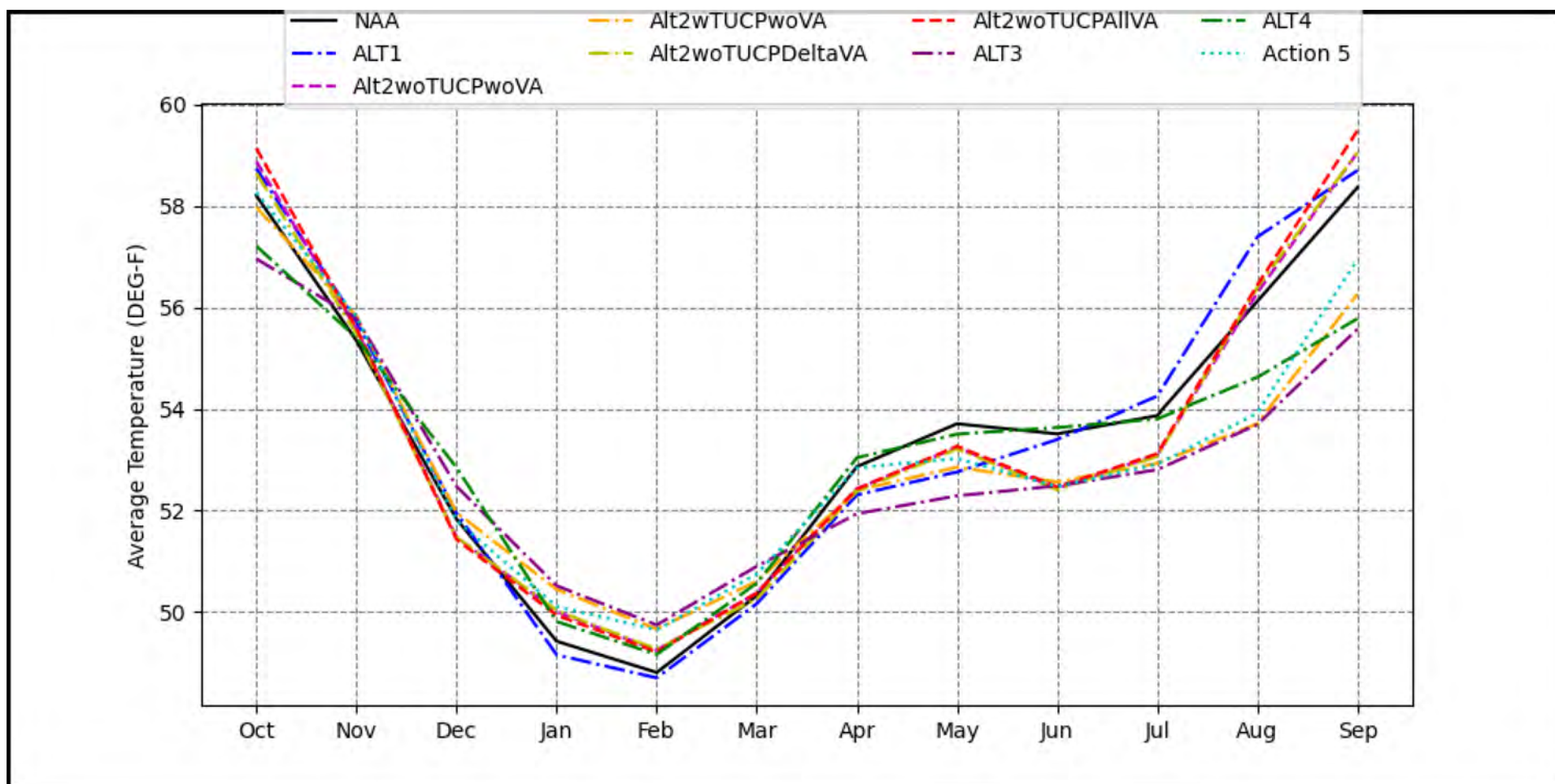


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-17 Sacramento River below Keswick, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-7-18 Sacramento River below Keswick, Critical Year Average Temperature (DEG-F)

F.2.11-8 Sacramento River at Clear Creek

Table F.2.11-8-1 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-1 b. Sacramento River at Clear Creek, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.1	55.6	53.9	51.3	50.7	53.3	55.1	55.0	55.1	55.7	55.9	56.0
20% Exceedance	55.2	55.4	53.4	50.8	50.1	52.5	54.6	54.5	54.2	54.7	55.4	55.6
30% Exceedance	54.9	55.3	53.0	50.0	49.8	52.1	54.2	54.1	53.8	54.1	54.8	54.9
40% Exceedance	54.5	55.2	52.7	49.2	49.1	51.6	53.8	53.7	53.5	53.6	54.0	54.1
50% Exceedance	54.2	55.1	52.2	48.8	48.5	51.1	53.6	53.5	53.1	53.4	53.8	53.9
60% Exceedance	54.1	54.8	51.7	48.3	48.1	50.5	53.3	53.2	52.9	53.0	53.7	53.7
70% Exceedance	54.0	54.6	51.2	47.6	47.6	49.9	53.1	52.8	52.7	52.8	53.3	53.5
80% Exceedance	53.8	54.4	50.7	47.2	47.1	49.5	52.6	52.6	52.5	52.5	53.0	53.2
90% Exceedance	53.6	54.0	50.1	46.7	46.0	48.3	52.1	52.2	52.1	52.3	52.8	53.0
Full Simulation Period Average^a	55.0	54.9	52.1	48.8	48.5	50.9	53.5	53.6	53.4	53.6	54.6	54.9
Wet Years (28%)	54.1	54.6	52.1	47.7	47.2	49.3	52.7	53.3	52.7	53.0	53.3	53.5
Above Normal Years (14%)	53.8	54.5	52.0	48.7	47.8	50.6	53.6	52.6	52.6	52.8	53.1	53.2
Below Normal Years (18%)	54.4	54.9	52.1	48.9	49.0	51.6	53.7	53.5	53.5	53.3	54.0	54.2
Dry Years (24%)	54.6	55.0	52.2	49.7	49.5	51.7	53.9	53.8	53.4	53.7	54.4	54.6
Critical Years (16%)	59.5	55.8	51.9	49.5	49.6	51.6	54.1	54.3	55.0	55.7	58.8	60.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-1 c. Sacramento River at Clear Creek, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.4	1.1	-0.3	0.1	0.2	-1.6	-2.3	-0.1	-0.0	0.0	0.1
20% Exceedance	0.2	1.1	1.2	0.1	0.0	0.3	-0.9	-2.3	-0.2	0.0	-0.2	-0.0
30% Exceedance	1.2	2.0	1.0	0.0	0.0	0.2	-1.0	-2.2	0.0	0.6	0.9	0.8
40% Exceedance	1.3	2.2	1.0	0.0	0.0	0.2	-0.8	-2.4	-0.1	0.2	0.6	0.4
50% Exceedance	1.1	2.2	0.8	0.1	-0.0	-0.0	-0.5	-2.4	-0.4	0.1	0.5	0.6
60% Exceedance	1.1	2.1	0.6	-0.1	-0.0	0.1	-0.4	-2.4	-0.5	-0.2	0.4	0.5
70% Exceedance	1.1	2.2	0.3	-0.3	0.1	-0.0	-0.3	-2.3	-0.7	-0.2	0.1	0.3
80% Exceedance	1.0	2.1	0.1	-0.0	0.1	0.0	-0.0	-2.2	-0.7	-0.2	-0.1	0.1
90% Exceedance	1.0	2.3	-0.1	-0.2	-0.1	-0.0	0.2	-1.7	-1.0	0.2	-0.3	-0.0
Full Simulation Period Average^a	0.9	1.7	0.7	-0.1	0.0	0.1	-0.6	-2.1	-0.4	0.1	0.4	0.3
Wet Years (28%)	1.2	2.2	0.9	-0.2	-0.0	-0.0	-0.3	-2.5	-0.8	-0.1	0.1	0.3
Above Normal Years (14%)	0.9	2.1	1.1	0.0	0.1	0.0	-0.6	-3.2	-0.8	-0.0	-0.1	0.1
Below Normal Years (18%)	1.1	1.9	0.6	0.0	0.1	0.1	-1.0	-2.0	-0.2	0.4	0.4	0.2
Dry Years (24%)	0.8	1.7	0.6	-0.1	-0.0	0.3	-0.9	-2.0	-0.2	0.1	0.4	0.3
Critical Years (16%)	0.6	0.4	0.2	-0.1	-0.0	-0.1	-0.6	-0.9	-0.1	0.2	1.3	0.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-2 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-2 b. Sacramento River at Clear Creek, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.6	55.8	52.4	51.8	51.1	53.0	56.4	56.2	54.3	54.5	55.2	56.3
20% Exceedance	55.0	55.0	52.2	51.1	50.4	52.3	55.6	55.5	53.6	53.7	54.1	55.0
30% Exceedance	53.9	53.9	52.0	50.6	50.0	51.9	55.0	55.2	53.3	53.1	53.4	54.1
40% Exceedance	53.1	53.1	51.8	49.6	49.2	51.5	54.7	54.8	53.1	53.0	53.1	53.2
50% Exceedance	53.0	52.8	51.6	49.1	48.8	51.2	54.1	54.5	53.0	52.9	53.0	53.0
60% Exceedance	52.9	52.6	51.3	48.6	48.3	50.6	53.6	54.3	53.0	52.9	52.9	52.9
70% Exceedance	52.8	52.3	51.1	48.2	47.8	50.1	53.0	54.0	52.9	52.8	52.9	52.9
80% Exceedance	52.7	52.1	50.9	47.5	47.1	49.5	52.6	53.7	52.8	52.7	52.8	52.8
90% Exceedance	52.5	51.6	50.5	46.9	46.2	48.4	52.1	53.3	52.7	52.2	52.8	52.8
Full Simulation Period Average^a	54.2	53.3	51.5	49.2	48.8	50.8	54.1	54.7	53.3	53.1	53.9	54.4
Wet Years (28%)	52.6	52.5	51.6	48.1	47.4	49.4	53.1	54.7	53.0	52.8	52.9	52.8
Above Normal Years (14%)	52.9	52.3	50.9	49.0	47.9	50.6	54.2	54.5	52.9	52.7	52.9	52.8
Below Normal Years (18%)	53.5	53.3	51.5	49.1	49.2	51.6	54.6	54.4	53.2	52.8	53.2	53.5
Dry Years (24%)	53.9	53.4	51.7	50.2	49.8	51.6	54.8	54.8	53.1	53.0	53.4	53.8
Critical Years (16%)	59.5	55.6	51.4	50.1	50.0	51.7	54.0	54.9	54.2	54.7	57.9	60.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-2 c. Sacramento River at Clear Creek, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.7	0.5	-0.4	0.2	0.5	-0.1	-0.2	-1.1	-0.9	-1.3	-0.7	0.4
20% Exceedance	0.0	0.7	-0.1	0.4	0.3	0.1	0.1	-1.3	-0.8	-0.9	-1.4	-0.6
30% Exceedance	0.2	0.6	0.0	0.7	0.3	0.0	-0.2	-1.1	-0.4	-0.4	-0.4	0.1
40% Exceedance	-0.1	0.1	0.1	0.5	0.1	0.1	0.0	-1.3	-0.5	-0.4	-0.3	-0.5
50% Exceedance	-0.1	-0.0	0.2	0.3	0.4	0.0	0.0	-1.3	-0.5	-0.4	-0.3	-0.3
60% Exceedance	-0.1	-0.1	0.2	0.2	0.2	0.1	-0.1	-1.3	-0.5	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.2	0.2	0.3	0.2	0.1	-0.3	-1.1	-0.5	-0.3	-0.3	-0.3
80% Exceedance	-0.1	-0.2	0.4	0.3	0.1	0.0	0.0	-1.1	-0.4	0.0	-0.3	-0.3
90% Exceedance	-0.1	-0.1	0.4	0.0	0.1	0.1	0.1	-0.6	-0.4	0.2	-0.3	-0.3
Full Simulation Period Average^a	0.1	0.2	0.1	0.3	0.2	0.0	-0.1	-1.0	-0.5	-0.4	-0.3	-0.2
Wet Years (28%)	-0.3	0.1	0.4	0.2	0.2	0.0	0.0	-1.1	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.0	0.4	0.2	0.0	0.1	-1.2	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.2	0.3	0.0	0.2	0.3	-0.0	-0.0	-1.2	-0.5	-0.1	-0.4	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.4	0.2	0.2	0.0	-1.1	-0.4	-0.6	-0.7	-0.4
Critical Years (16%)	0.6	0.2	-0.3	0.5	0.4	-0.1	-0.7	-0.3	-0.9	-0.7	0.4	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-3 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-3 b. Sacramento River at Clear Creek, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.6	55.8	52.4	51.7	51.1	53.1	56.4	55.9	54.4	54.5	54.4	55.8
20% Exceedance	54.6	54.7	52.1	51.3	50.6	52.4	55.6	55.5	53.8	53.7	54.0	54.9
30% Exceedance	53.9	53.8	52.0	50.7	50.1	51.9	55.0	55.2	53.3	53.1	53.4	53.8
40% Exceedance	53.1	53.1	51.9	49.7	49.3	51.6	54.6	54.8	53.1	53.0	53.1	53.1
50% Exceedance	53.0	52.8	51.6	49.1	48.9	51.4	54.1	54.5	53.0	52.9	53.0	53.0
60% Exceedance	52.8	52.6	51.4	48.6	48.4	50.8	53.7	54.3	53.0	52.9	52.9	52.9
70% Exceedance	52.7	52.3	51.2	48.3	47.9	50.2	53.2	54.0	52.9	52.8	52.9	52.9
80% Exceedance	52.7	52.1	50.9	47.7	47.5	49.6	52.7	53.7	52.8	52.7	52.8	52.9
90% Exceedance	52.5	51.6	50.7	47.2	46.6	48.5	52.1	53.4	52.7	52.2	52.8	52.8
Full Simulation Period Average^a	54.0	53.3	51.5	49.3	48.9	51.0	54.1	54.6	53.3	53.1	53.5	54.0
Wet Years (28%)	52.6	52.5	51.6	48.1	47.4	49.4	53.1	54.7	53.0	52.8	52.9	52.8
Above Normal Years (14%)	52.9	52.3	50.9	49.0	48.0	50.8	54.2	54.6	52.9	52.7	52.9	52.8
Below Normal Years (18%)	53.3	53.1	51.4	49.3	49.4	51.8	54.6	54.4	53.2	52.8	53.2	53.4
Dry Years (24%)	53.9	53.4	51.6	50.2	49.7	51.7	54.8	54.8	53.1	53.0	53.4	53.9
Critical Years (16%)	58.6	55.9	51.8	50.5	50.4	52.0	54.3	54.6	54.3	54.7	55.5	57.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-3 c. Sacramento River at Clear Creek, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.6	0.6	-0.4	0.2	0.5	-0.0	-0.3	-1.4	-0.8	-1.2	-1.5	-0.1
20% Exceedance	-0.4	0.3	-0.1	0.6	0.5	0.2	0.2	-1.3	-0.6	-1.0	-1.5	-0.7
30% Exceedance	0.2	0.5	-0.0	0.8	0.4	0.1	-0.1	-1.2	-0.4	-0.4	-0.5	-0.2
40% Exceedance	-0.1	0.1	0.2	0.5	0.2	0.2	-0.0	-1.3	-0.5	-0.4	-0.3	-0.6
50% Exceedance	-0.1	-0.0	0.3	0.3	0.4	0.2	0.0	-1.4	-0.5	-0.4	-0.3	-0.3
60% Exceedance	-0.2	-0.1	0.3	0.2	0.2	0.4	-0.0	-1.3	-0.4	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.2	0.3	0.4	0.3	0.3	-0.1	-1.1	-0.4	-0.3	-0.3	-0.3
80% Exceedance	-0.1	-0.2	0.4	0.5	0.4	0.1	0.1	-1.1	-0.4	-0.0	-0.3	-0.3
90% Exceedance	-0.1	-0.1	0.5	0.4	0.5	0.2	0.2	-0.5	-0.3	0.2	-0.3	-0.3
Full Simulation Period Average^a	-0.1	0.1	0.1	0.4	0.3	0.2	-0.1	-1.1	-0.5	-0.4	-0.7	-0.6
Wet Years (28%)	-0.3	0.1	0.4	0.2	0.2	0.0	0.0	-1.1	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.0	0.3	0.3	0.2	0.1	-1.2	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	-0.0	0.2	-0.0	0.4	0.4	0.2	-0.1	-1.2	-0.5	-0.2	-0.4	-0.5
Dry Years (24%)	0.1	0.1	0.0	0.4	0.2	0.3	0.0	-1.1	-0.4	-0.6	-0.6	-0.4
Critical Years (16%)	-0.3	0.4	0.1	0.8	0.8	0.3	-0.5	-0.6	-0.7	-0.7	-2.0	-1.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-4 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-4 b. Sacramento River at Clear Creek, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.4	55.7	52.3	51.8	51.0	53.1	56.2	56.2	54.3	54.4	55.3	56.3
20% Exceedance	55.3	55.1	52.1	51.2	50.4	52.3	55.5	55.6	53.7	53.9	53.9	55.0
30% Exceedance	53.8	54.0	52.0	50.6	50.0	51.9	55.0	55.2	53.3	53.0	53.3	53.7
40% Exceedance	53.3	53.1	51.8	49.6	49.3	51.5	54.7	54.8	53.1	53.0	53.1	53.2
50% Exceedance	53.0	52.9	51.5	49.1	48.9	51.1	54.2	54.5	53.0	52.9	53.0	53.0
60% Exceedance	52.9	52.6	51.3	48.6	48.3	50.5	53.7	54.2	53.0	52.9	52.9	52.9
70% Exceedance	52.8	52.3	51.1	48.2	47.8	50.1	53.0	54.0	52.9	52.8	52.9	52.9
80% Exceedance	52.6	52.1	50.9	47.5	47.2	49.5	52.6	53.7	52.8	52.7	52.8	52.8
90% Exceedance	52.5	51.5	50.6	46.9	46.1	48.4	52.0	53.2	52.7	52.2	52.8	52.8
Full Simulation Period Average^a	54.2	53.3	51.4	49.3	48.8	50.8	54.1	54.6	53.3	53.2	53.9	54.4
Wet Years (28%)	52.6	52.4	51.6	48.1	47.4	49.4	53.1	54.6	53.0	52.8	52.9	52.9
Above Normal Years (14%)	52.9	52.3	50.9	49.0	47.9	50.6	54.2	54.5	52.9	52.7	52.9	52.8
Below Normal Years (18%)	53.6	53.3	51.5	49.2	49.2	51.6	54.7	54.3	53.2	52.8	53.2	53.5
Dry Years (24%)	53.9	53.4	51.6	50.2	49.8	51.6	54.7	54.7	53.2	53.1	53.4	53.9
Critical Years (16%)	59.3	55.6	51.4	50.1	50.0	51.6	53.9	54.9	54.2	54.7	58.0	60.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-4 c. Sacramento River at Clear Creek, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.4	0.4	-0.5	0.2	0.4	-0.0	-0.5	-1.1	-0.9	-1.3	-0.7	0.4
20% Exceedance	0.2	0.7	-0.1	0.5	0.3	0.2	-0.0	-1.2	-0.7	-0.7	-1.6	-0.7
30% Exceedance	0.1	0.7	0.0	0.7	0.3	0.0	-0.2	-1.2	-0.4	-0.4	-0.5	-0.3
40% Exceedance	0.1	0.1	0.1	0.5	0.2	0.0	0.1	-1.3	-0.5	-0.4	-0.3	-0.5
50% Exceedance	-0.1	0.0	0.1	0.3	0.4	-0.1	0.1	-1.4	-0.5	-0.4	-0.3	-0.3
60% Exceedance	-0.1	-0.2	0.1	0.2	0.2	0.1	0.0	-1.4	-0.5	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.2	0.2	0.2	0.3	0.1	-0.3	-1.1	-0.5	-0.3	-0.3	-0.3
80% Exceedance	-0.2	-0.2	0.3	0.2	0.2	0.0	0.0	-1.1	-0.4	-0.0	-0.3	-0.3
90% Exceedance	-0.1	-0.2	0.4	0.1	0.0	0.1	0.0	-0.7	-0.4	0.2	-0.2	-0.3
Full Simulation Period Average^a	0.1	0.1	0.1	0.3	0.3	0.0	-0.1	-1.0	-0.5	-0.4	-0.3	-0.2
Wet Years (28%)	-0.2	0.1	0.4	0.2	0.2	0.1	0.0	-1.1	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	0.0	-0.1	-0.0	0.4	0.3	0.0	0.1	-1.2	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.3	0.4	-0.0	0.2	0.3	-0.0	0.0	-1.2	-0.5	-0.1	-0.4	-0.5
Dry Years (24%)	0.1	0.2	0.0	0.4	0.2	0.2	-0.0	-1.2	-0.4	-0.5	-0.7	-0.4
Critical Years (16%)	0.4	0.1	-0.3	0.5	0.4	-0.2	-0.8	-0.3	-0.9	-0.8	0.5	0.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-5 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-5 b. Sacramento River at Clear Creek, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.0	55.5	52.4	51.8	51.0	53.1	56.2	56.2	54.3	54.5	55.4	56.6
20% Exceedance	54.7	55.1	52.1	51.2	50.4	52.4	55.5	55.7	53.7	54.0	53.9	55.0
30% Exceedance	53.6	53.7	52.0	50.4	50.0	51.9	54.8	55.2	53.4	53.1	53.4	53.8
40% Exceedance	53.2	53.1	51.8	49.6	49.2	51.5	54.5	54.9	53.1	53.0	53.1	53.1
50% Exceedance	53.0	52.9	51.5	49.0	48.8	51.2	54.0	54.5	53.0	52.9	53.0	53.0
60% Exceedance	52.9	52.6	51.4	48.6	48.3	50.6	53.5	54.3	53.0	52.9	53.0	52.9
70% Exceedance	52.8	52.2	51.1	48.3	47.8	50.1	53.1	54.0	52.9	52.8	52.9	52.9
80% Exceedance	52.7	52.0	50.9	47.5	47.1	49.5	52.5	53.7	52.8	52.7	52.9	52.8
90% Exceedance	52.5	51.6	50.6	46.8	46.1	48.4	52.1	53.4	52.8	52.3	52.8	52.8
Full Simulation Period Average^a	54.2	53.3	51.5	49.2	48.8	50.9	54.0	54.7	53.3	53.2	53.9	54.5
Wet Years (28%)	52.6	52.5	51.6	48.1	47.4	49.4	53.1	54.7	53.0	52.8	53.0	52.8
Above Normal Years (14%)	52.9	52.3	51.0	48.9	47.9	50.5	54.1	54.6	53.0	52.7	52.9	52.9
Below Normal Years (18%)	53.4	53.1	51.5	49.1	49.2	51.6	54.4	54.4	53.3	52.9	53.3	53.5
Dry Years (24%)	53.8	53.3	51.6	50.2	49.8	51.7	54.8	54.8	53.2	53.1	53.4	53.8
Critical Years (16%)	59.7	55.7	51.3	50.1	50.0	51.7	54.0	54.9	54.2	54.7	58.0	60.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-5 c. Sacramento River at Clear Creek, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2.0	0.3	-0.5	0.2	0.4	-0.0	-0.5	-1.1	-0.9	-1.2	-0.6	0.7
20% Exceedance	-0.3	0.7	-0.2	0.5	0.3	0.2	-0.0	-1.1	-0.7	-0.7	-1.6	-0.6
30% Exceedance	-0.1	0.5	-0.0	0.5	0.2	0.1	-0.3	-1.2	-0.4	-0.4	-0.4	-0.2
40% Exceedance	-0.1	0.1	0.1	0.4	0.1	0.1	-0.1	-1.2	-0.5	-0.4	-0.3	-0.6
50% Exceedance	-0.1	0.0	0.2	0.3	0.3	0.1	-0.0	-1.4	-0.4	-0.4	-0.3	-0.3
60% Exceedance	-0.1	-0.1	0.2	0.2	0.2	0.2	-0.2	-1.3	-0.4	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.3	0.3	0.3	0.2	0.2	-0.2	-1.1	-0.4	-0.3	-0.3	-0.3
80% Exceedance	-0.2	-0.3	0.3	0.2	0.1	0.0	-0.1	-1.1	-0.4	-0.0	-0.3	-0.3
90% Exceedance	-0.1	-0.2	0.4	-0.1	0.0	0.1	0.2	-0.6	-0.3	0.2	-0.3	-0.3
Full Simulation Period Average^a	0.1	0.1	0.1	0.3	0.2	0.1	-0.1	-1.0	-0.5	-0.4	-0.3	-0.1
Wet Years (28%)	-0.3	0.1	0.4	0.2	0.2	0.0	0.0	-1.1	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.1	0.3	0.2	-0.0	-0.0	-1.2	-0.4	-0.2	-0.3	-0.2
Below Normal Years (18%)	0.1	0.2	-0.0	0.2	0.3	0.0	-0.2	-1.2	-0.4	-0.1	-0.3	-0.5
Dry Years (24%)	-0.0	0.0	0.0	0.4	0.2	0.3	0.1	-1.0	-0.3	-0.5	-0.7	-0.5
Critical Years (16%)	0.8	0.2	-0.4	0.4	0.3	-0.1	-0.8	-0.3	-0.8	-0.7	0.5	1.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-6 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-6 b. Sacramento River at Clear Creek, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.7	55.9	52.6	51.7	50.9	53.2	55.5	55.4	54.5	54.4	54.4	55.7
20% Exceedance	54.5	54.2	52.2	51.0	50.5	52.6	55.2	55.0	54.1	53.5	54.1	54.4
30% Exceedance	53.7	53.5	52.1	50.5	49.9	52.2	54.8	54.7	53.8	53.4	53.4	54.0
40% Exceedance	53.1	53.1	51.8	49.8	49.4	51.9	54.4	54.6	53.6	53.3	53.3	53.5
50% Exceedance	53.0	52.9	51.6	49.0	48.8	51.4	54.1	54.4	53.5	53.2	53.3	53.4
60% Exceedance	53.0	52.8	51.4	48.5	48.2	51.0	53.8	54.2	53.4	53.1	53.2	53.3
70% Exceedance	52.9	52.6	51.2	48.2	47.8	50.3	53.2	54.0	53.4	53.0	53.2	53.2
80% Exceedance	52.9	52.3	50.8	47.8	47.3	49.6	52.8	53.7	53.3	52.9	53.1	53.1
90% Exceedance	52.6	51.8	50.4	47.0	46.4	48.4	52.3	53.1	53.2	52.6	52.9	53.1
Full Simulation Period Average^a	53.9	53.3	51.5	49.2	48.8	51.0	53.9	54.3	53.7	53.3	53.6	54.1
Wet Years (28%)	52.8	52.5	51.4	48.0	47.3	49.3	52.9	54.4	53.8	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.6	51.0	48.7	47.7	50.5	54.0	54.2	53.8	53.0	53.2	53.2
Below Normal Years (18%)	53.2	52.8	51.3	49.3	49.3	51.8	54.5	54.5	53.5	53.1	53.2	53.6
Dry Years (24%)	53.9	53.4	51.6	50.1	49.7	52.0	54.7	54.1	53.3	53.2	53.3	54.1
Critical Years (16%)	57.7	55.8	52.2	50.6	50.4	52.3	54.0	54.3	54.2	54.5	55.3	57.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-6 c. Sacramento River at Clear Creek, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.8	0.6	-0.3	0.1	0.3	0.1	-1.1	-1.9	-0.7	-1.3	-1.5	-0.2
20% Exceedance	-0.5	-0.1	0.0	0.3	0.4	0.5	-0.3	-1.8	-0.2	-1.1	-1.4	-1.2
30% Exceedance	0.0	0.2	0.1	0.6	0.1	0.4	-0.3	-1.6	0.0	-0.1	-0.4	-0.0
40% Exceedance	-0.1	0.0	0.1	0.7	0.3	0.4	-0.3	-1.5	0.0	-0.1	-0.1	-0.2
50% Exceedance	-0.0	0.1	0.2	0.3	0.3	0.3	0.1	-1.5	0.1	-0.1	-0.1	0.1
60% Exceedance	-0.0	0.1	0.2	0.1	0.0	0.5	0.1	-1.4	0.0	-0.1	-0.0	0.1
70% Exceedance	0.0	0.1	0.3	0.3	0.2	0.3	-0.2	-1.1	0.0	-0.1	0.0	0.0
80% Exceedance	0.1	-0.0	0.3	0.5	0.3	0.1	0.2	-1.1	0.0	0.2	-0.0	0.0
90% Exceedance	0.0	0.1	0.3	0.2	0.3	0.1	0.3	-0.8	0.1	0.6	-0.1	0.0
Full Simulation Period Average^a	-0.2	0.1	0.1	0.3	0.3	0.2	-0.2	-1.4	-0.1	-0.2	-0.6	-0.5
Wet Years (28%)	-0.1	0.1	0.1	0.1	0.1	-0.1	-0.1	-1.4	0.3	-0.0	0.1	0.1
Above Normal Years (14%)	-0.0	0.2	0.1	0.1	0.1	-0.0	-0.2	-1.6	0.4	0.1	-0.0	0.1
Below Normal Years (18%)	-0.1	-0.1	-0.2	0.4	0.4	0.2	-0.2	-1.1	-0.2	0.1	-0.4	-0.4
Dry Years (24%)	0.1	0.1	0.0	0.2	0.1	0.6	-0.0	-1.8	-0.2	-0.5	-0.7	-0.2
Critical Years (16%)	-1.2	0.4	0.6	0.9	0.8	0.5	-0.8	-0.9	-0.8	-0.9	-2.2	-2.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-7 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-7 b. Sacramento River at Clear Creek, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	55.5	55.1	53.9	51.5	50.8	53.1	56.6	57.0	55.6	55.7	55.7	55.9
20% Exceedance	55.2	53.8	53.4	50.7	50.4	52.6	55.5	56.3	54.8	54.4	54.0	54.1
30% Exceedance	53.4	53.1	52.9	50.0	49.8	51.9	55.2	55.9	54.1	53.5	53.7	53.7
40% Exceedance	53.1	52.9	52.5	49.4	49.0	51.6	54.6	55.4	53.6	53.4	53.5	53.5
50% Exceedance	53.1	52.8	52.0	48.6	48.6	51.3	54.1	54.9	53.5	53.3	53.4	53.3
60% Exceedance	53.0	52.7	51.9	48.4	48.2	50.5	53.6	54.7	53.4	53.2	53.3	53.3
70% Exceedance	53.0	52.3	51.5	48.0	47.7	50.0	53.4	54.5	53.3	53.0	53.2	53.2
80% Exceedance	52.9	51.9	51.0	47.3	47.0	49.5	52.7	54.0	53.2	52.7	53.2	53.2
90% Exceedance	52.8	51.5	50.5	46.9	46.2	48.2	52.1	53.5	53.1	52.2	53.1	53.1
Full Simulation Period Average^a	54.0	53.0	52.2	49.0	48.6	50.9	54.1	55.1	53.9	53.5	53.9	54.1
Wet Years (28%)	53.0	52.4	52.1	47.8	47.1	49.2	53.0	55.0	53.6	53.1	53.3	53.2
Above Normal Years (14%)	53.1	52.4	51.6	48.7	47.7	50.5	54.2	54.9	53.5	52.8	53.3	53.3
Below Normal Years (18%)	53.3	52.5	52.1	49.0	49.1	51.7	54.4	54.9	53.8	53.0	53.5	53.8
Dry Years (24%)	53.7	52.9	52.4	49.9	49.6	51.5	54.7	55.5	53.5	53.4	53.7	53.7
Critical Years (16%)	57.9	55.5	52.6	50.0	49.9	52.0	54.9	55.1	55.3	55.5	56.3	57.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-7 c. Sacramento River at Clear Creek, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.5	-0.1	1.1	-0.1	0.2	-0.1	-0.1	-0.3	0.4	-0.0	-0.2	-0.0
20% Exceedance	0.1	-0.5	1.2	-0.0	0.3	0.4	0.0	-0.5	0.5	-0.3	-1.5	-1.5
30% Exceedance	-0.3	-0.2	1.0	0.1	0.1	0.1	0.1	-0.4	0.4	-0.0	-0.1	-0.3
40% Exceedance	-0.1	-0.1	0.8	0.3	-0.1	0.1	-0.0	-0.7	0.0	-0.0	0.1	-0.2
50% Exceedance	0.0	-0.0	0.6	-0.1	0.1	0.1	0.0	-1.0	0.1	-0.0	0.1	0.0
60% Exceedance	0.0	-0.1	0.7	-0.1	0.0	0.1	-0.1	-0.9	-0.0	0.0	0.1	0.1
70% Exceedance	0.1	-0.1	0.6	0.1	0.1	0.1	0.0	-0.6	-0.0	-0.0	0.0	0.1
80% Exceedance	0.1	-0.4	0.4	0.1	0.0	0.0	0.1	-0.8	-0.0	-0.0	0.0	0.1
90% Exceedance	0.2	-0.2	0.4	0.1	0.1	-0.0	0.2	-0.4	-0.0	0.1	0.1	0.1
Full Simulation Period Average^a	-0.1	-0.1	0.8	0.0	0.1	0.1	-0.0	-0.5	0.1	-0.0	-0.3	-0.5
Wet Years (28%)	0.1	0.0	0.9	-0.1	-0.1	-0.1	-0.0	-0.7	0.1	0.0	0.1	0.1
Above Normal Years (14%)	0.2	0.0	0.7	0.0	0.0	-0.1	0.1	-0.9	0.1	-0.0	0.1	0.2
Below Normal Years (18%)	-0.0	-0.4	0.6	0.1	0.2	0.1	-0.2	-0.7	0.1	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.3	0.8	0.0	0.0	0.1	0.0	-0.3	0.0	-0.2	-0.3	-0.5
Critical Years (16%)	-1.0	-0.0	0.9	0.3	0.3	0.2	0.1	-0.1	0.3	0.1	-1.2	-2.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-8 a. Sacramento River at Clear Creek, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.0	55.2	52.8	51.6	50.6	53.1	56.7	57.3	55.2	55.7	55.9	55.9
20% Exceedance	55.0	54.3	52.2	50.7	50.1	52.2	55.5	56.8	54.4	54.7	55.5	55.6
30% Exceedance	53.7	53.3	52.0	49.9	49.7	51.8	55.1	56.4	53.8	53.5	53.8	54.0
40% Exceedance	53.2	53.0	51.7	49.1	49.1	51.5	54.6	56.1	53.6	53.4	53.4	53.7
50% Exceedance	53.1	52.9	51.4	48.8	48.5	51.2	54.1	55.9	53.5	53.3	53.3	53.3
60% Exceedance	53.0	52.8	51.2	48.4	48.2	50.4	53.7	55.6	53.4	53.2	53.3	53.2
70% Exceedance	52.9	52.5	50.9	47.9	47.6	49.9	53.4	55.1	53.4	53.0	53.2	53.2
80% Exceedance	52.8	52.3	50.6	47.2	47.0	49.5	52.6	54.8	53.3	52.7	53.1	53.1
90% Exceedance	52.6	51.7	50.2	46.9	46.1	48.3	52.0	53.9	53.1	52.1	53.0	53.0
Full Simulation Period Average^a	54.1	53.2	51.4	48.9	48.5	50.8	54.2	55.7	53.8	53.5	54.2	54.6
Wet Years (28%)	52.9	52.4	51.2	47.9	47.2	49.3	53.0	55.8	53.5	53.1	53.3	53.2
Above Normal Years (14%)	52.9	52.4	50.9	48.6	47.6	50.6	54.1	55.8	53.4	52.8	53.2	53.1
Below Normal Years (18%)	53.3	52.9	51.5	48.9	48.9	51.6	54.7	55.6	53.7	52.9	53.6	53.9
Dry Years (24%)	53.8	53.3	51.6	49.8	49.5	51.4	54.7	55.8	53.5	53.6	54.1	54.3
Critical Years (16%)	58.9	55.5	51.7	49.7	49.6	51.8	54.8	55.2	55.0	55.4	57.5	59.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-8 b. Sacramento River at Clear Creek, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.7	55.6	52.4	51.8	51.1	53.2	56.4	56.0	54.3	54.5	54.6	56.5
20% Exceedance	54.6	54.5	52.1	51.1	50.6	52.6	55.6	55.5	53.7	53.5	53.6	54.5
30% Exceedance	53.6	53.5	52.0	50.2	50.1	52.3	55.1	55.3	53.4	53.1	53.3	53.7
40% Exceedance	53.1	53.1	51.9	49.7	49.3	51.8	54.5	54.7	53.2	53.0	53.2	53.2
50% Exceedance	53.0	52.8	51.6	49.0	48.8	51.5	54.1	54.6	53.1	52.9	53.0	53.0
60% Exceedance	52.9	52.7	51.4	48.6	48.4	50.8	53.7	54.3	53.0	52.9	53.0	53.0
70% Exceedance	52.8	52.5	51.2	48.3	47.9	50.1	53.2	54.1	52.9	52.8	52.9	52.9
80% Exceedance	52.7	52.2	51.0	47.6	47.3	49.5	52.6	53.7	52.9	52.7	52.9	52.8
90% Exceedance	52.5	51.8	50.5	47.2	46.5	48.4	52.2	53.3	52.8	52.2	52.8	52.8
Full Simulation Period Average^a	54.0	53.3	51.5	49.3	48.8	51.0	54.1	54.6	53.3	53.2	53.5	54.0
Wet Years (28%)	52.7	52.6	51.5	48.1	47.3	49.3	53.0	54.7	53.0	52.8	53.0	52.8
Above Normal Years (14%)	52.7	52.3	50.9	48.8	47.9	50.5	54.2	54.6	53.0	52.6	52.9	53.0
Below Normal Years (18%)	53.4	53.1	51.5	49.3	49.4	51.8	54.3	54.3	53.4	52.8	53.2	53.4
Dry Years (24%)	53.6	53.2	51.6	50.2	49.7	51.9	54.9	54.8	53.2	53.1	53.3	53.6
Critical Years (16%)	58.9	55.9	51.6	50.2	50.3	52.1	54.6	54.7	54.3	54.7	55.6	58.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-8-8 c. Sacramento River at Clear Creek, Action 5 Minus NAA, Monthly Temperature (DEG-F)

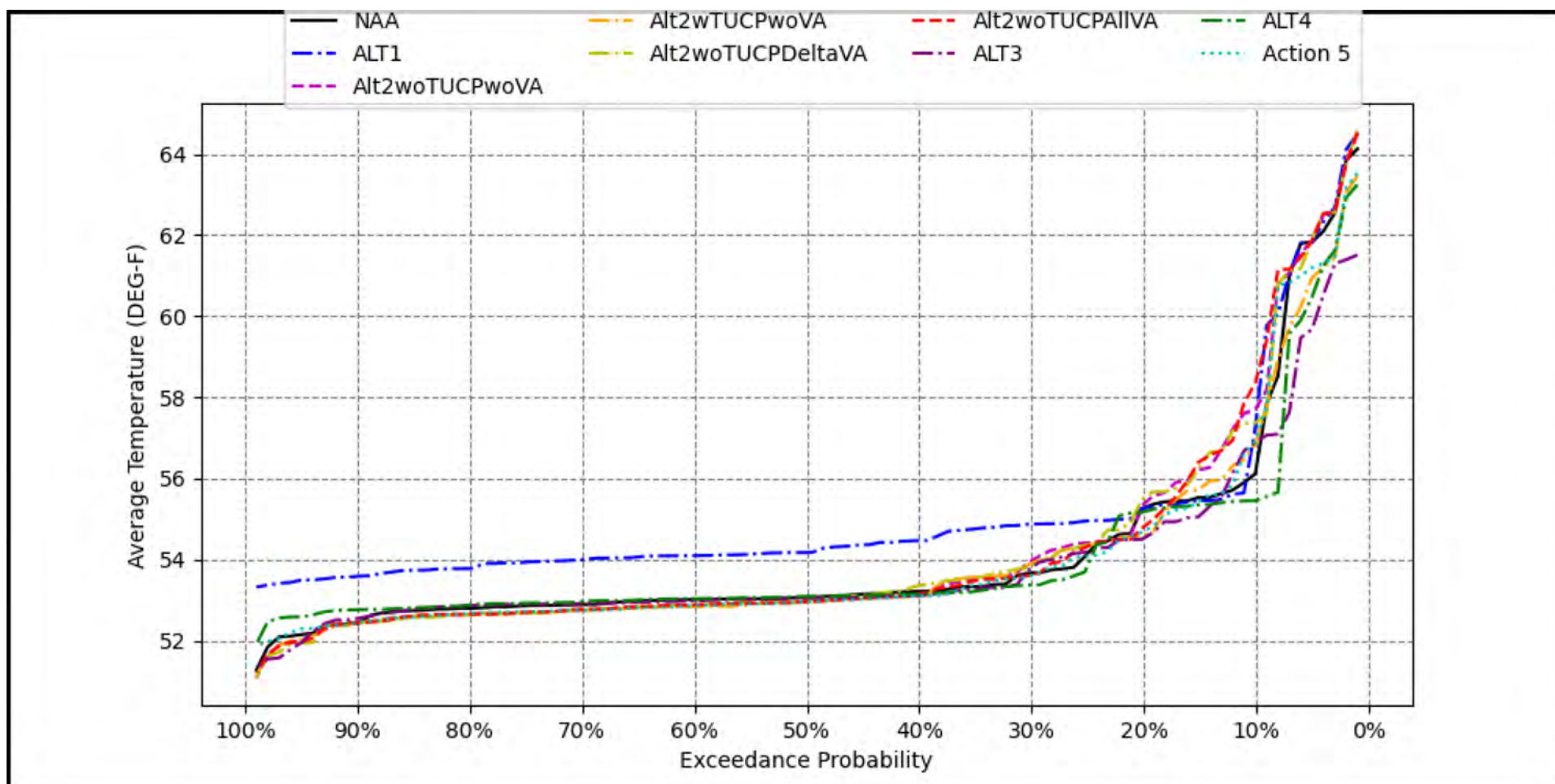
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.7	0.3	-0.4	0.2	0.5	0.0	-0.3	-1.3	-0.9	-1.2	-1.3	0.6
20% Exceedance	-0.4	0.1	-0.1	0.4	0.5	0.4	0.1	-1.3	-0.7	-1.2	-1.9	-1.2
30% Exceedance	-0.1	0.3	0.0	0.3	0.4	0.4	-0.0	-1.0	-0.3	-0.4	-0.5	-0.3
40% Exceedance	-0.1	0.1	0.2	0.5	0.2	0.4	-0.1	-1.4	-0.4	-0.4	-0.3	-0.5
50% Exceedance	-0.1	-0.0	0.2	0.2	0.4	0.3	0.1	-1.3	-0.4	-0.4	-0.3	-0.3
60% Exceedance	-0.2	-0.0	0.3	0.2	0.2	0.4	0.0	-1.3	-0.4	-0.3	-0.3	-0.3
70% Exceedance	-0.1	0.0	0.3	0.3	0.4	0.1	-0.1	-1.0	-0.4	-0.2	-0.3	-0.3
80% Exceedance	-0.1	-0.1	0.4	0.3	0.2	0.1	0.0	-1.0	-0.4	-0.0	-0.3	-0.3
90% Exceedance	-0.1	0.0	0.4	0.3	0.4	0.1	0.2	-0.7	-0.3	0.1	-0.2	-0.3
Full Simulation Period Average^a	-0.1	0.1	0.1	0.3	0.3	0.2	-0.0	-1.1	-0.5	-0.4	-0.7	-0.6
Wet Years (28%)	-0.2	0.2	0.3	0.2	0.1	-0.0	0.0	-1.1	-0.5	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.2	-0.1	0.1	0.2	0.3	-0.0	0.0	-1.2	-0.4	-0.2	-0.3	-0.1
Below Normal Years (18%)	0.1	0.2	0.0	0.4	0.4	0.2	-0.4	-1.2	-0.4	-0.1	-0.4	-0.5
Dry Years (24%)	-0.2	-0.1	0.0	0.4	0.2	0.5	0.2	-1.1	-0.4	-0.5	-0.7	-0.6
Critical Years (16%)	-0.0	0.4	-0.0	0.5	0.7	0.3	-0.1	-0.6	-0.8	-0.7	-1.9	-1.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

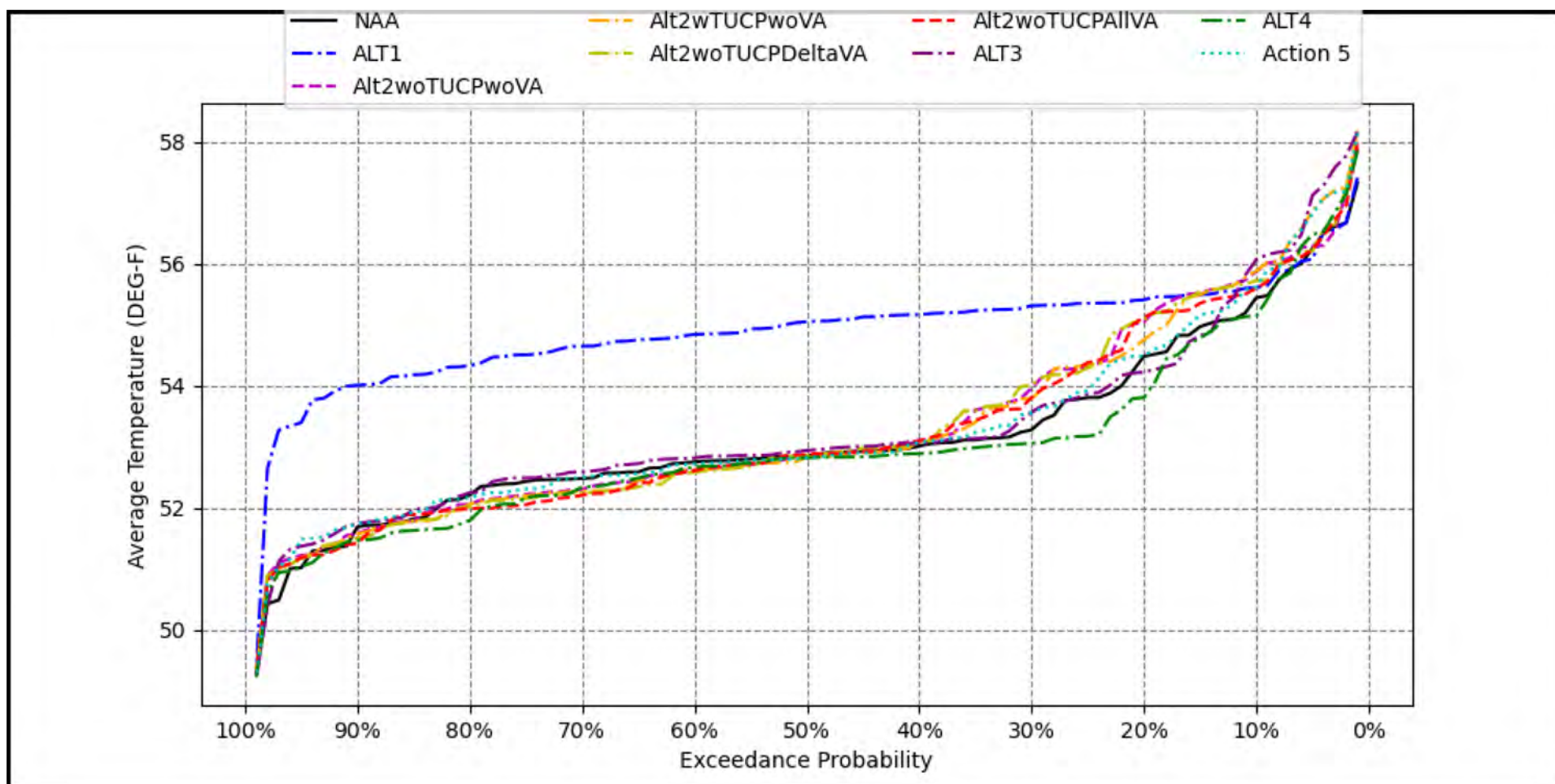
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



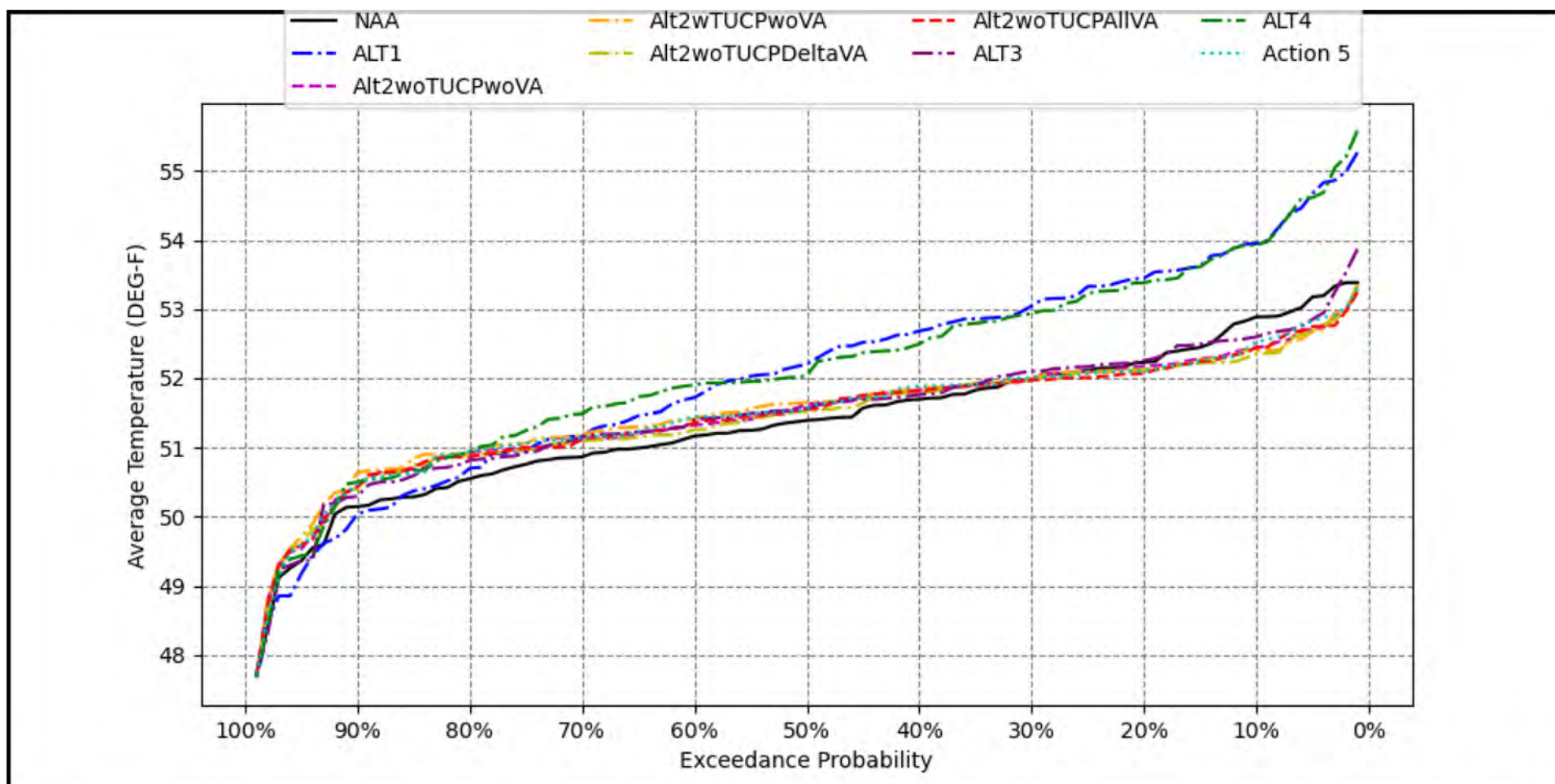
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-1 Sacramento River at Clear Creek, October Temperature



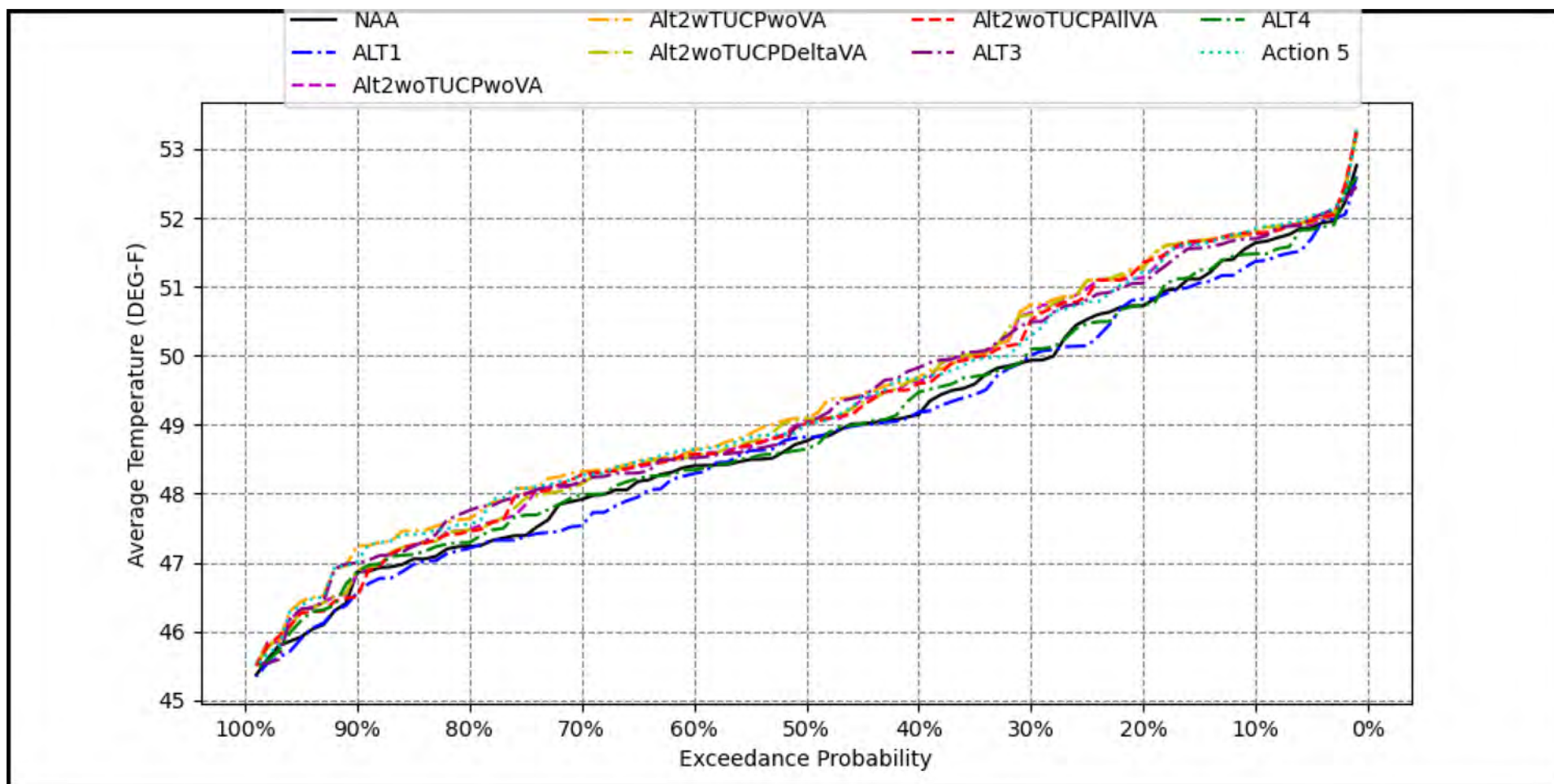
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-2 Sacramento River at Clear Creek, November Temperature



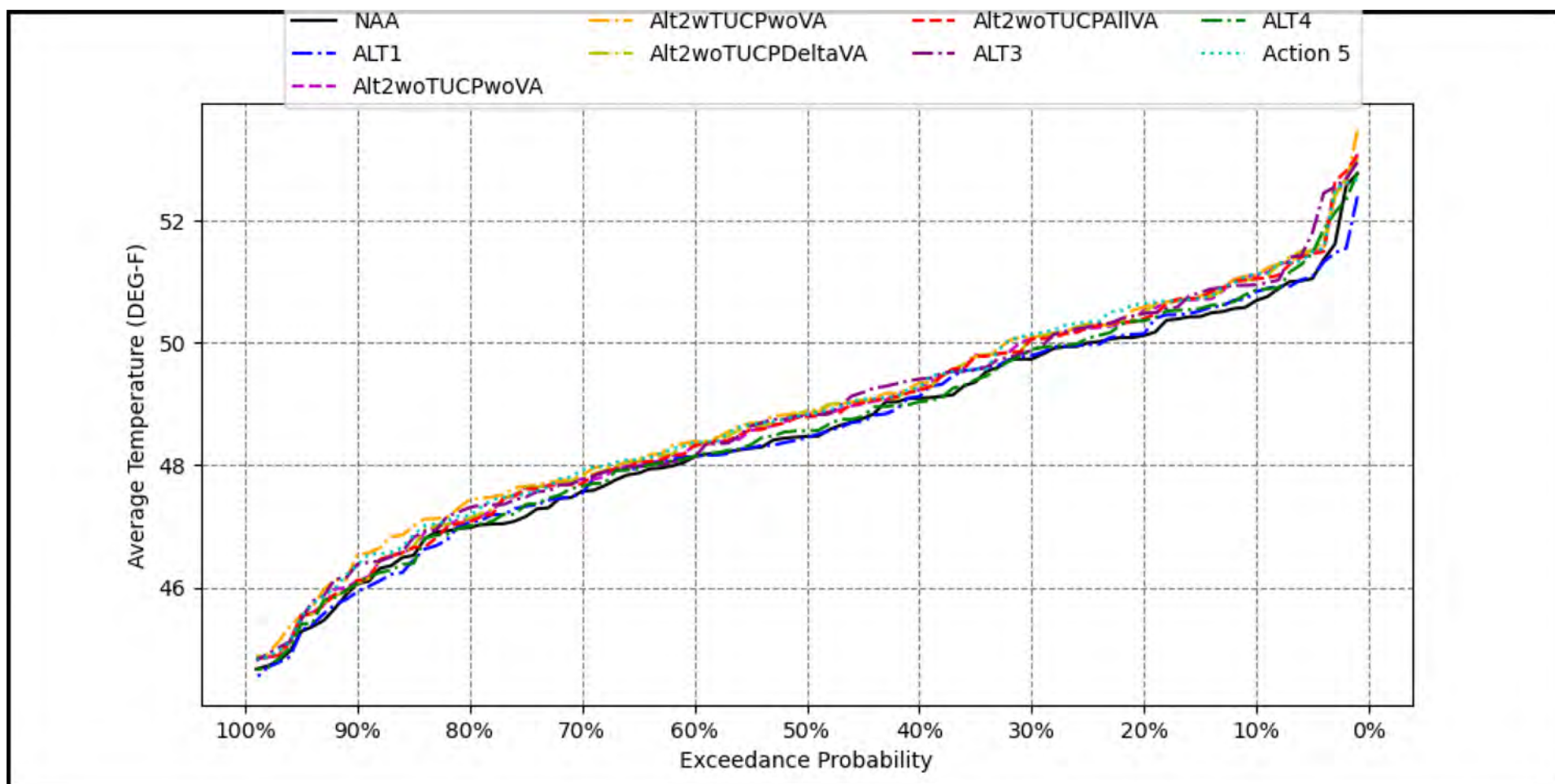
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-3 Sacramento River at Clear Creek, December Temperature



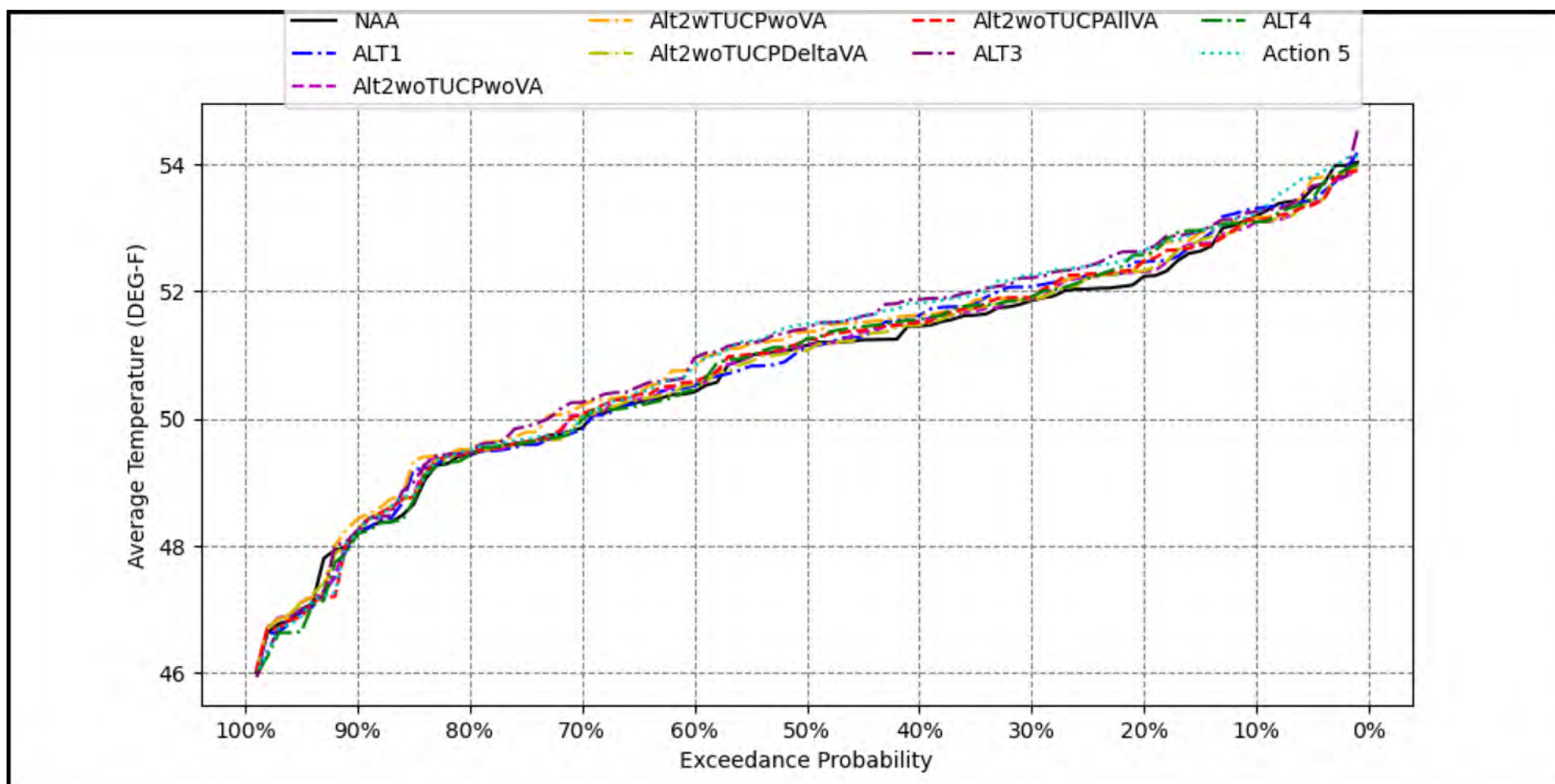
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-4 Sacramento River at Clear Creek, January Temperature



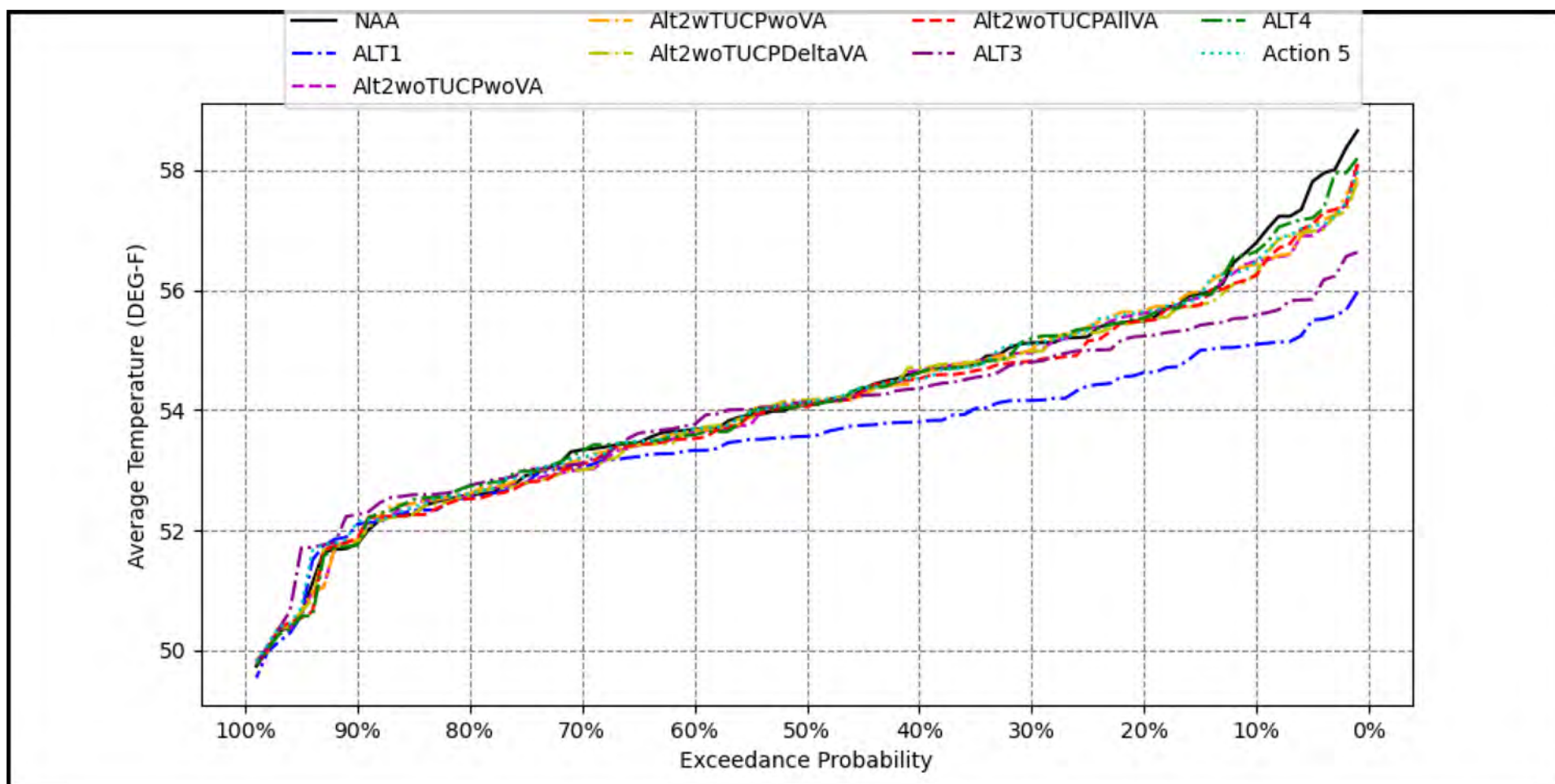
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-5 Sacramento River at Clear Creek, February Temperature



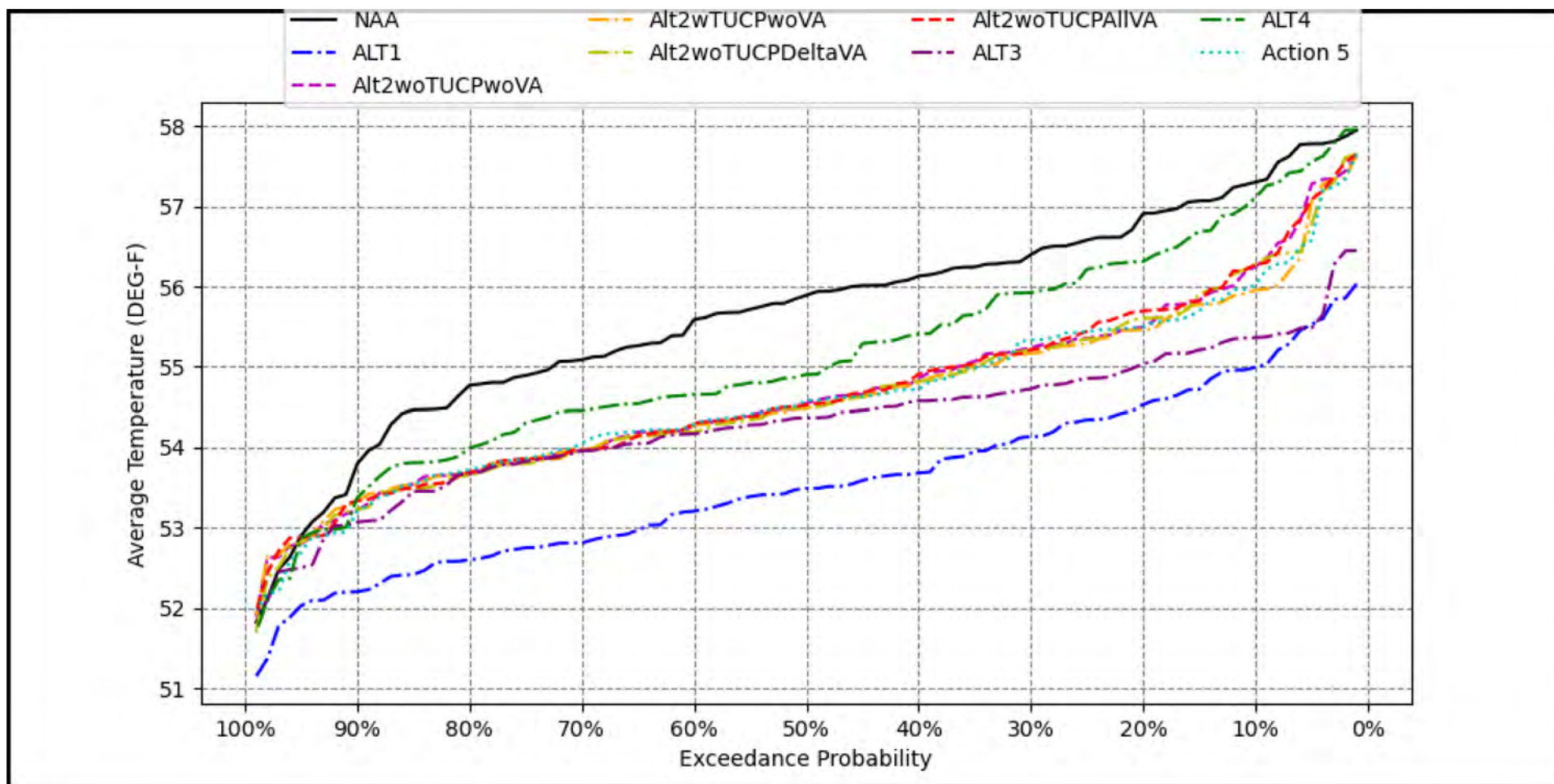
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-6 Sacramento River at Clear Creek, March Temperature



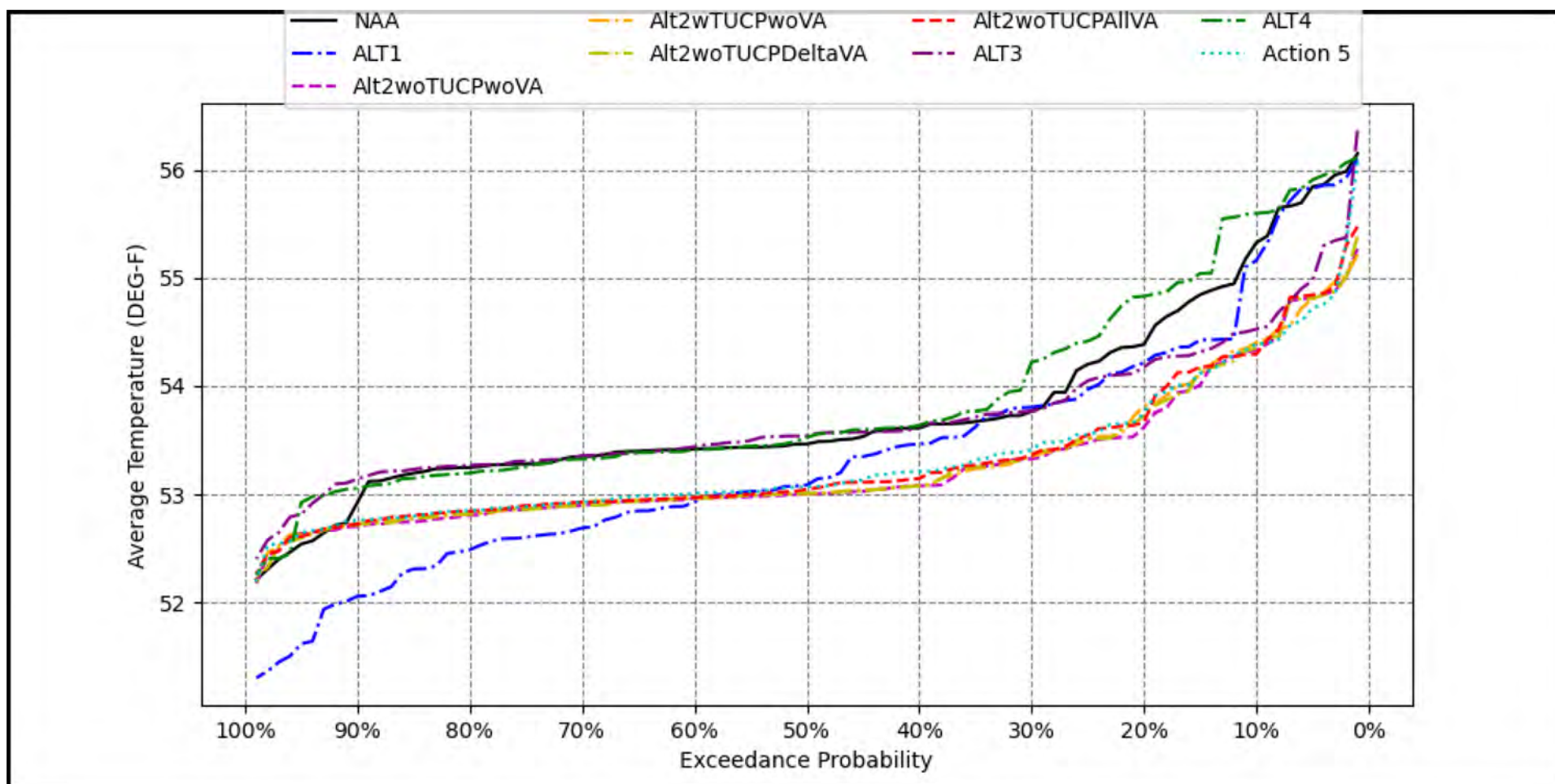
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-7 Sacramento River at Clear Creek, April Temperature



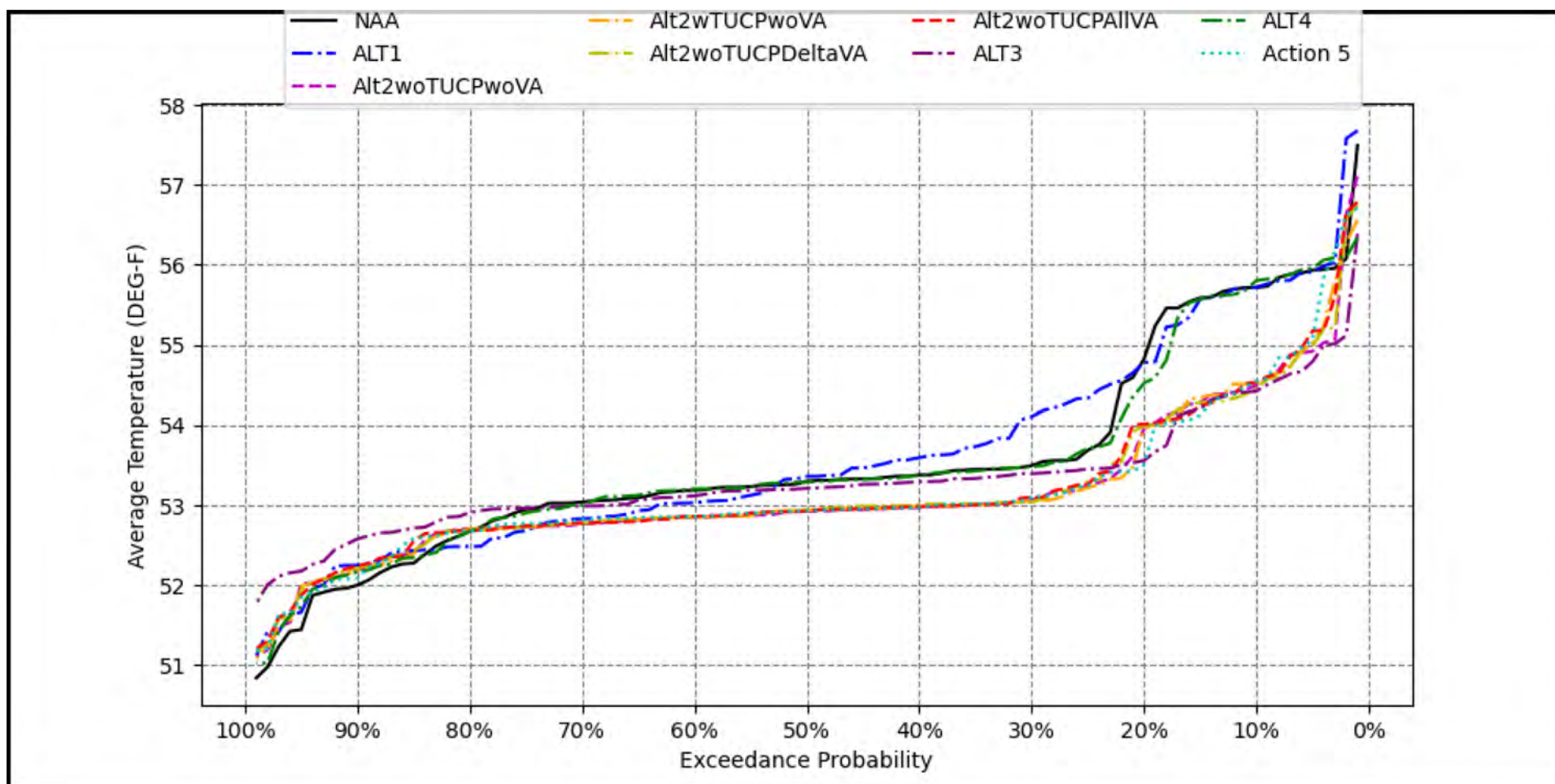
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-8 Sacramento River at Clear Creek, May Temperature



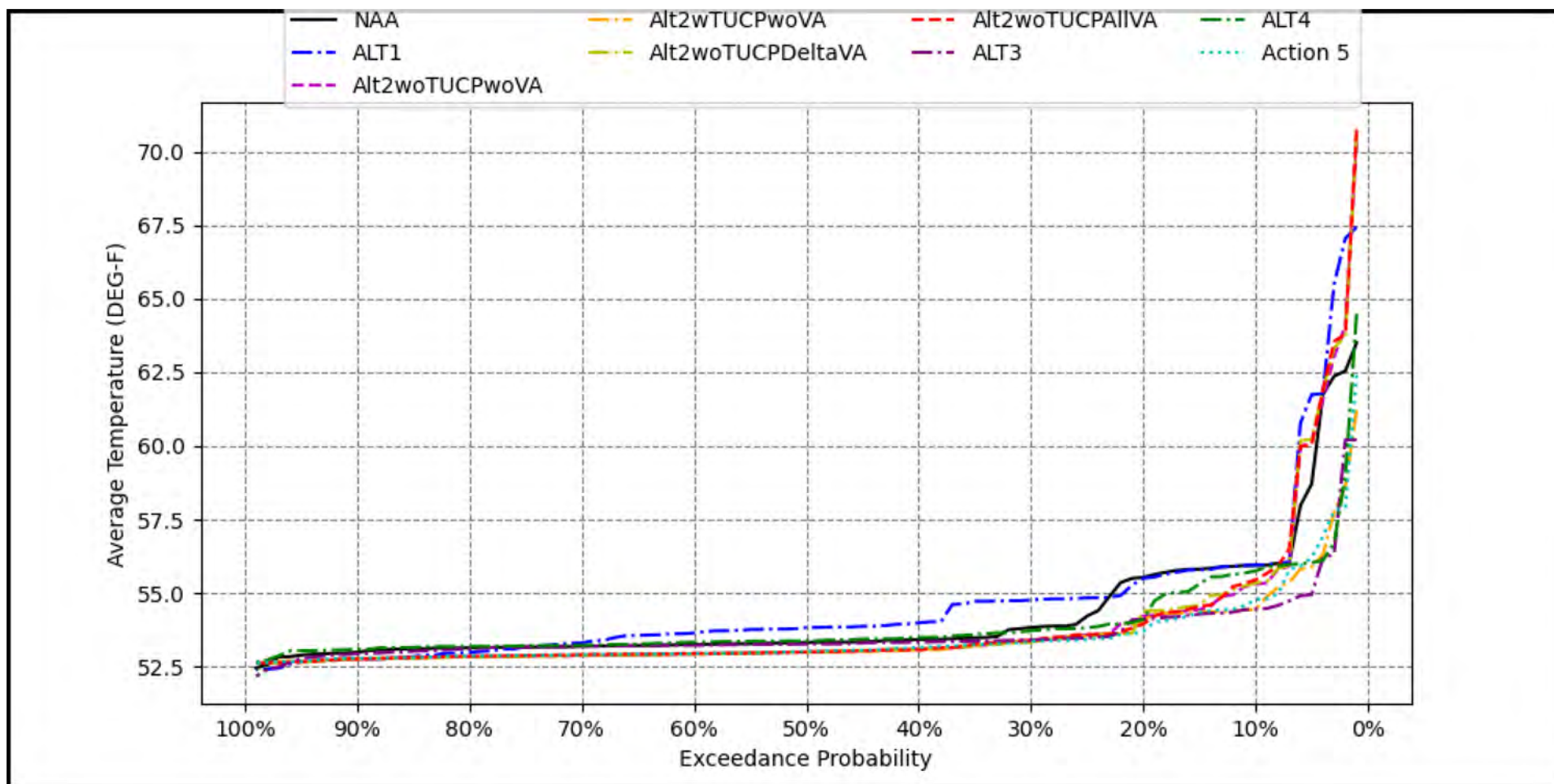
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-9 Sacramento River at Clear Creek, June Temperature



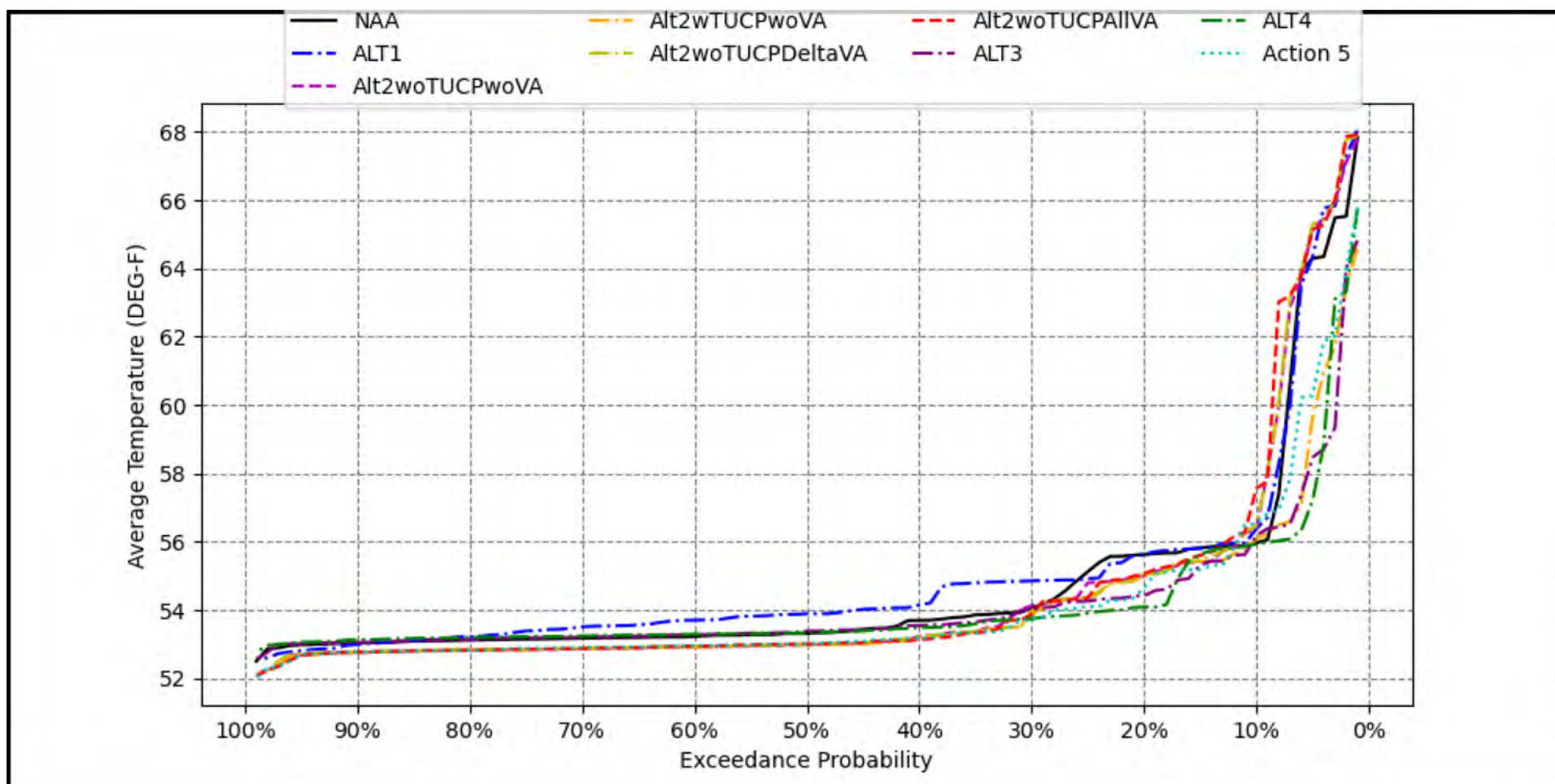
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-10 Sacramento River at Clear Creek, July Temperature



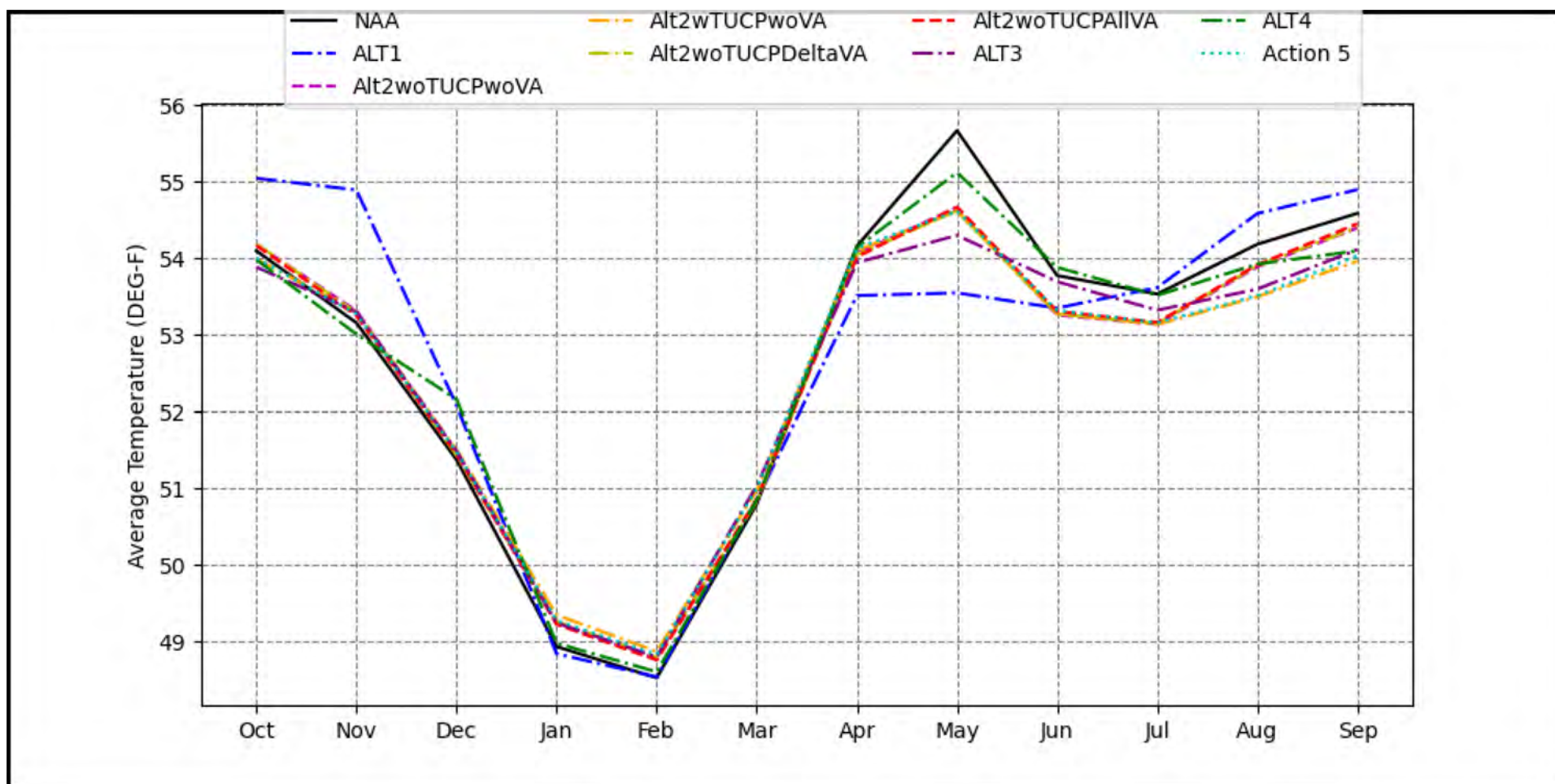
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-11 Sacramento River at Clear Creek, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-12 Sacramento River at Clear Creek, September Temperature

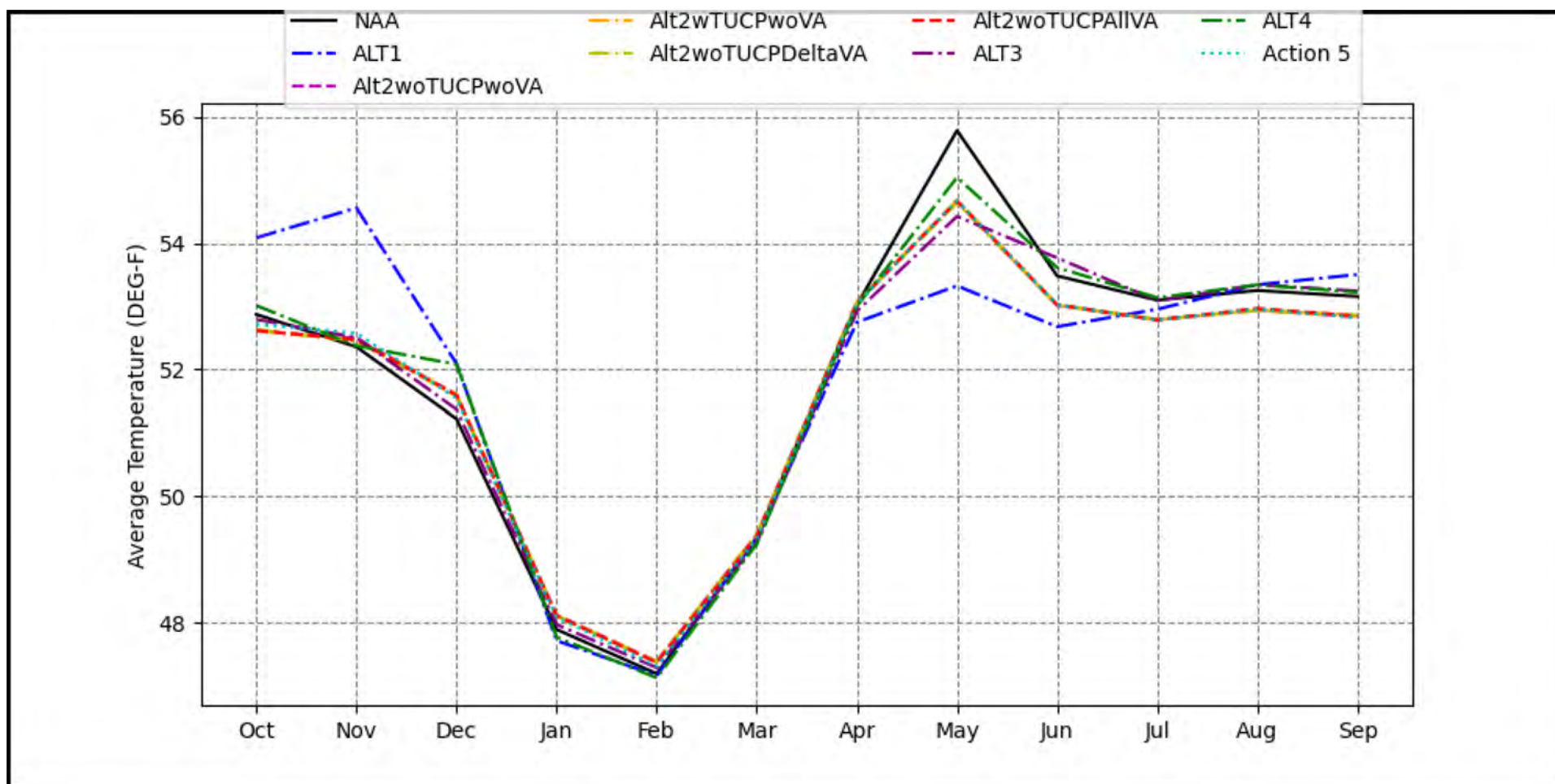


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-13 Sacramento River at Clear Creek, Long Term Average Temperature (DEG-F)

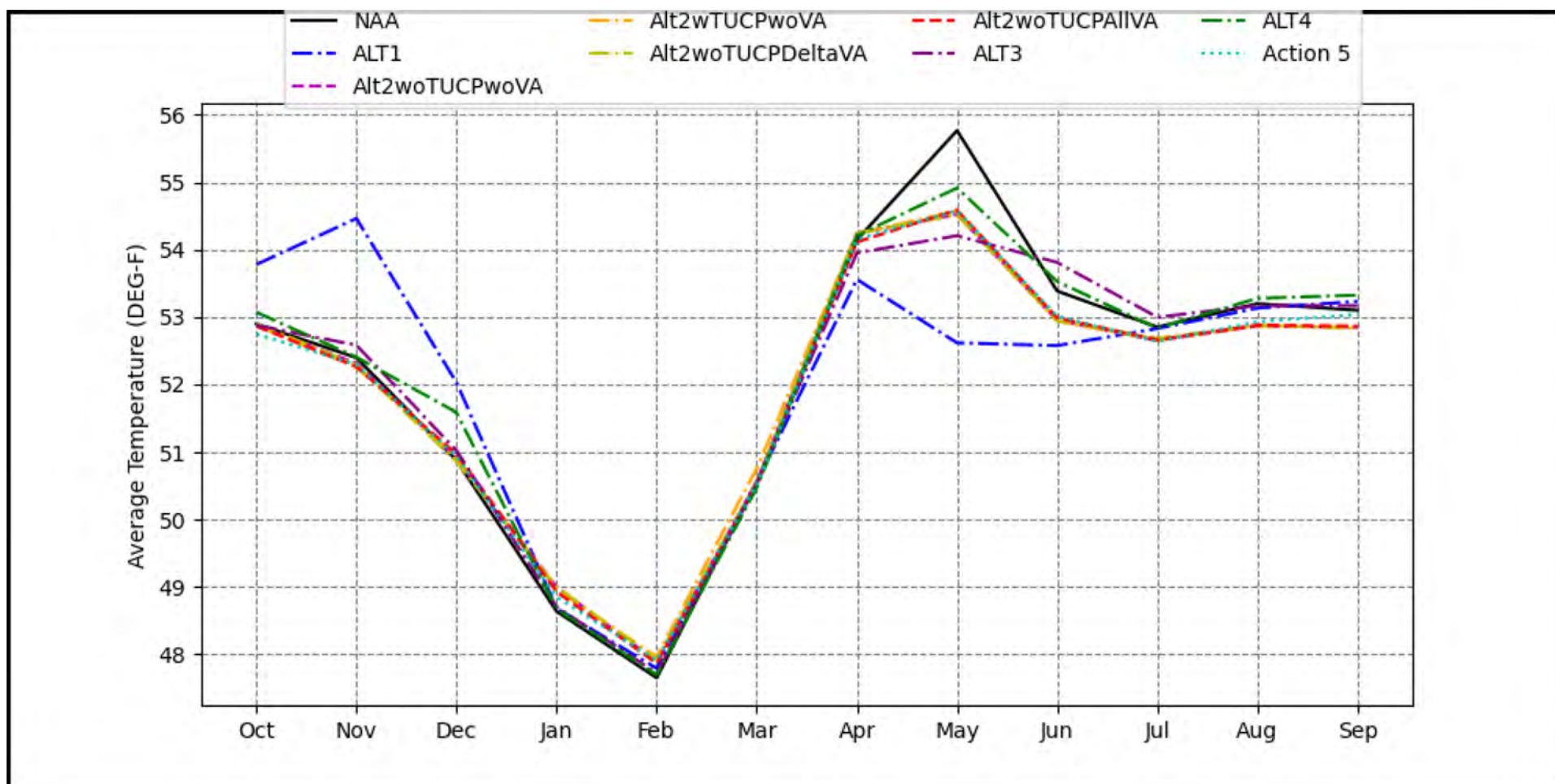


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-14 Sacramento River at Clear Creek, Wet Year Average Temperature (DEG-F)

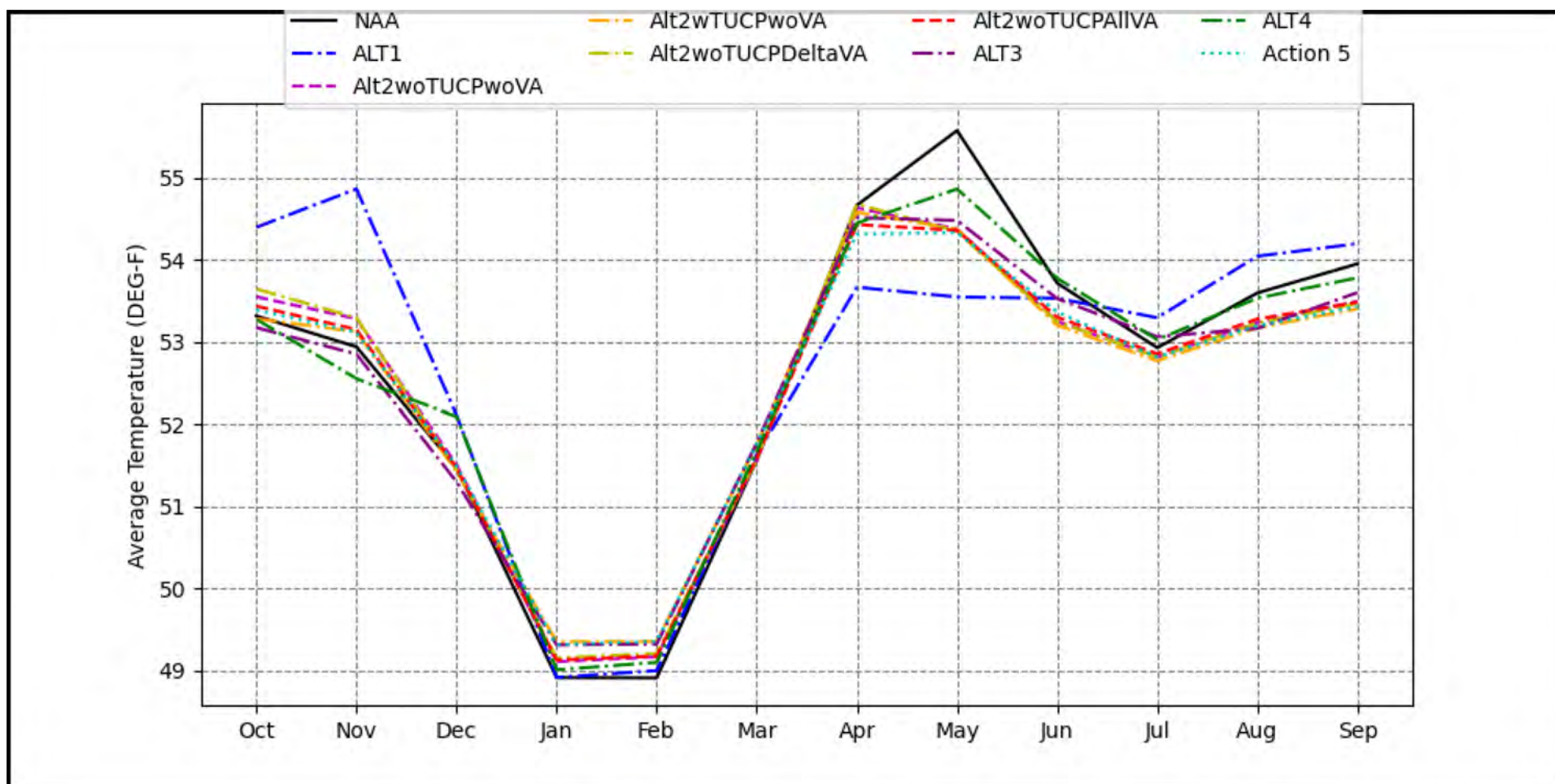


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-15 Sacramento River at Clear Creek, Above Normal Year Average Temperature (DEG-F)

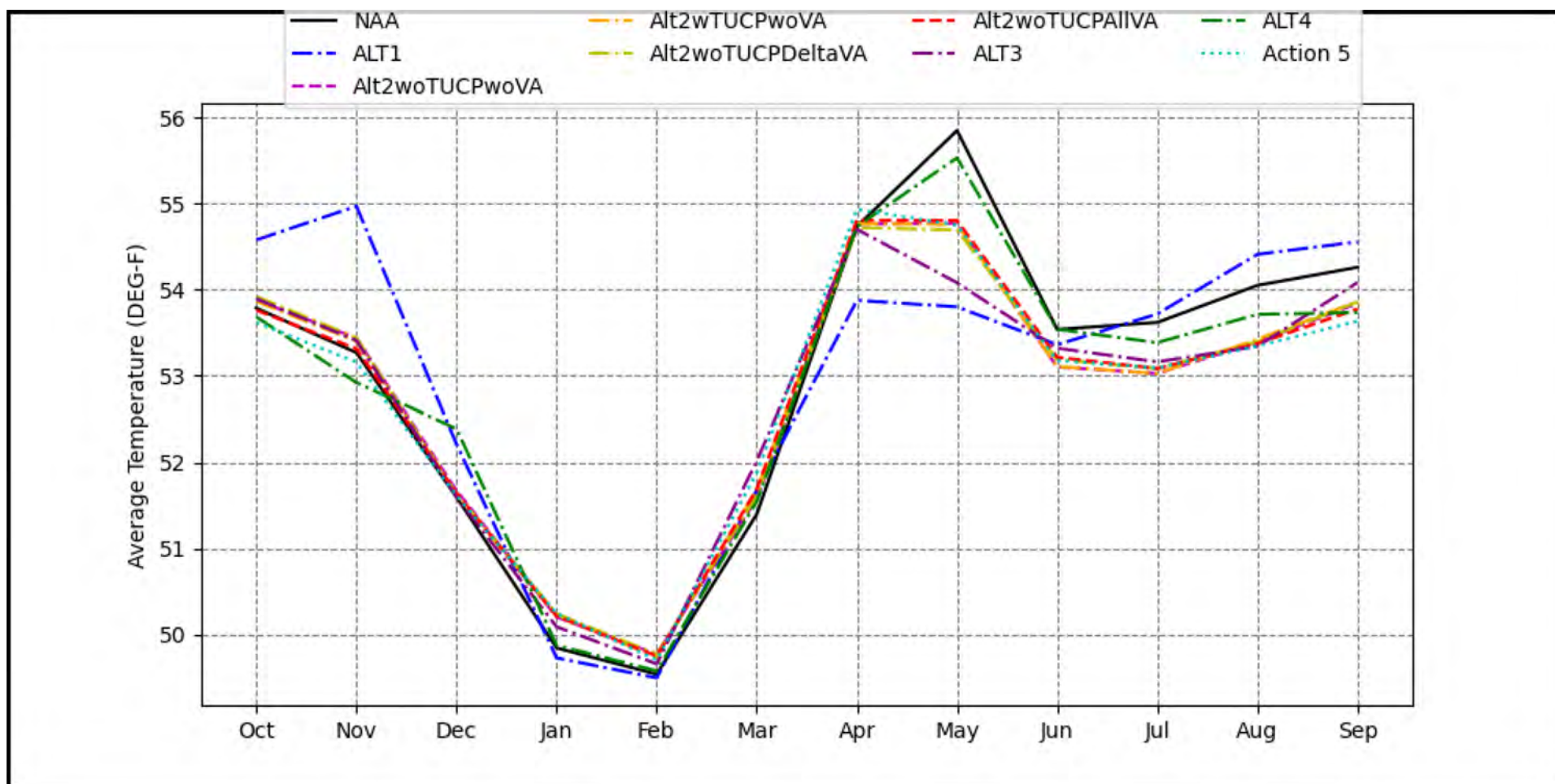


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-16 Sacramento River at Clear Creek, Below Normal Year Average Temperature (DEG-F)

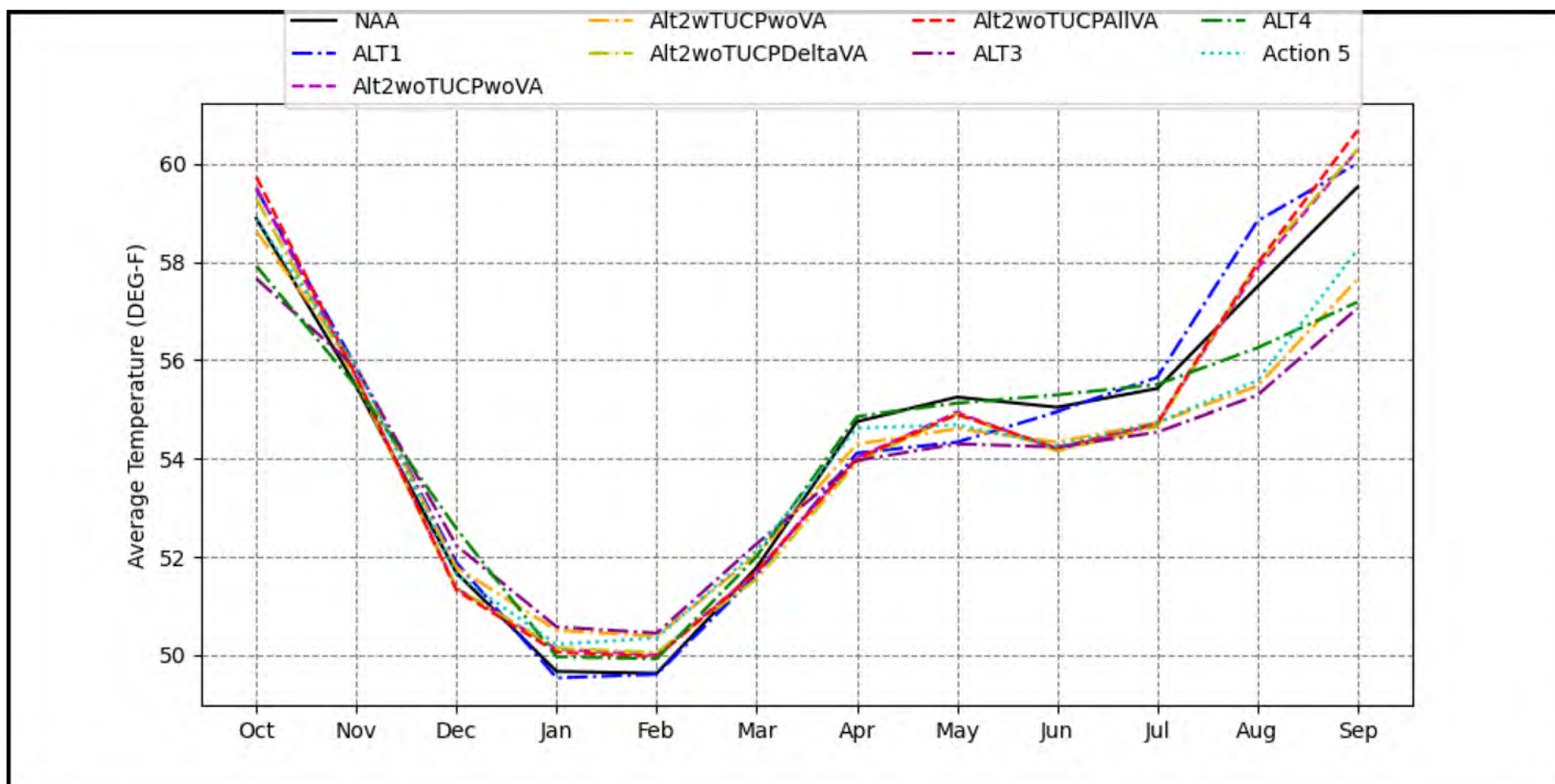


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-17 Sacramento River at Clear Creek, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-8-18 Sacramento River at Clear Creek, Critical Year Average Temperature (DEG-F)

F.2.11-9 Sacramento River at Balls Ferry

Table F.2.11-9-1 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-1 b. Sacramento River at Balls Ferry, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.1	55.5	53.1	50.6	51.0	53.7	56.5	57.0	56.6	56.8	57.1	57.2
20% Exceedance	55.8	55.3	52.5	49.9	50.1	52.9	56.1	56.1	55.7	55.9	56.4	56.7
30% Exceedance	55.6	55.1	52.2	49.2	49.7	52.6	55.4	55.7	55.1	55.0	55.8	55.9
40% Exceedance	55.1	55.0	51.7	48.7	49.1	52.1	55.0	55.2	54.9	54.7	55.1	55.1
50% Exceedance	54.9	54.7	51.0	48.2	48.7	51.7	54.8	54.9	54.7	54.5	54.9	54.8
60% Exceedance	54.7	54.5	50.5	47.8	48.3	51.1	54.6	54.8	54.4	54.2	54.8	54.8
70% Exceedance	54.6	54.3	50.2	47.5	47.9	50.7	54.3	54.4	54.2	53.9	54.5	54.6
80% Exceedance	54.4	54.1	49.7	47.1	47.2	49.9	53.6	54.2	54.0	53.7	54.1	54.2
90% Exceedance	54.3	53.7	49.0	46.5	46.4	48.6	53.1	53.9	53.7	53.3	53.9	54.1
Full Simulation Period Average^a	55.7	54.7	51.1	48.4	48.7	51.4	54.7	55.2	54.9	54.7	55.7	55.9
Wet Years (28%)	54.6	54.4	51.4	47.4	47.4	49.8	53.8	55.3	54.6	54.2	54.5	54.5
Above Normal Years (14%)	54.5	54.2	51.1	48.1	47.9	51.0	54.9	54.4	54.1	53.8	54.2	54.3
Below Normal Years (18%)	55.1	54.6	50.8	48.4	49.2	52.1	54.9	54.9	54.9	54.3	55.1	55.3
Dry Years (24%)	55.4	54.7	51.3	49.1	49.4	52.2	55.1	55.3	54.7	54.7	55.5	55.7
Critical Years (16%)	60.0	55.7	50.7	49.4	49.8	52.5	55.5	55.7	56.3	56.8	59.9	60.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-1 c. Sacramento River at Balls Ferry, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.3	1.1	-0.1	0.1	0.2	-1.2	-1.9	-0.0	-0.0	-0.0	0.1
20% Exceedance	0.1	1.3	1.0	0.1	0.1	0.0	-0.7	-2.2	-0.4	-0.1	-0.1	0.0
30% Exceedance	1.1	1.7	1.1	-0.1	0.1	0.1	-0.9	-2.1	-0.7	0.2	0.8	0.6
40% Exceedance	1.0	1.9	0.9	-0.1	0.0	0.1	-0.9	-2.3	-0.6	0.1	0.5	0.2
50% Exceedance	1.0	1.8	0.5	-0.1	-0.0	-0.1	-0.6	-2.2	-0.5	0.0	0.5	0.4
60% Exceedance	1.0	1.8	0.3	-0.1	-0.0	-0.0	-0.1	-2.1	-0.6	-0.1	0.5	0.5
70% Exceedance	1.0	1.8	0.4	-0.1	0.1	0.1	-0.2	-2.2	-0.6	-0.2	0.3	0.5
80% Exceedance	1.0	1.9	0.1	0.0	0.0	-0.0	0.1	-2.0	-0.5	0.1	0.1	0.2
90% Exceedance	1.1	2.1	-0.1	-0.1	-0.1	-0.0	0.2	-1.3	-0.5	0.3	-0.0	0.2
Full Simulation Period Average^a	0.9	1.6	0.6	-0.1	0.0	0.0	-0.5	-1.9	-0.5	0.1	0.4	0.3
Wet Years (28%)	1.1	2.0	0.8	-0.1	-0.0	-0.0	-0.2	-2.2	-0.8	-0.1	0.1	0.4
Above Normal Years (14%)	0.8	1.8	1.2	0.1	0.1	0.0	-0.3	-2.9	-0.9	0.0	0.0	0.3
Below Normal Years (18%)	1.0	1.7	0.5	-0.0	0.1	0.0	-0.8	-1.9	-0.3	0.4	0.5	0.1
Dry Years (24%)	0.7	1.5	0.5	-0.1	-0.0	0.2	-0.7	-1.9	-0.2	0.1	0.3	0.3
Critical Years (16%)	0.6	0.4	0.2	-0.1	-0.1	-0.2	-0.7	-0.9	-0.1	0.1	1.3	0.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-2 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-2 b. Sacramento River at Balls Ferry, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.6	51.8	51.2	51.1	53.5	57.3	57.9	56.1	55.7	56.5	57.3
20% Exceedance	56.0	54.7	51.6	50.4	50.2	53.0	56.6	57.2	55.5	55.0	55.2	56.2
30% Exceedance	54.8	53.8	51.4	49.8	49.7	52.3	56.2	56.8	55.2	54.4	54.5	55.3
40% Exceedance	54.0	53.1	50.9	49.2	49.4	52.1	55.8	56.3	54.9	54.2	54.3	54.5
50% Exceedance	53.8	52.8	50.7	48.4	48.9	51.8	55.0	56.1	54.7	54.1	54.1	54.1
60% Exceedance	53.6	52.6	50.4	48.2	48.5	51.1	54.7	55.8	54.5	53.9	54.0	53.9
70% Exceedance	53.5	52.3	50.0	47.8	47.9	50.7	54.2	55.5	54.3	53.8	53.9	53.8
80% Exceedance	53.3	52.1	49.8	47.3	47.3	49.9	53.7	55.1	54.1	53.6	53.9	53.8
90% Exceedance	53.2	51.6	49.0	46.6	46.7	48.8	53.1	54.7	53.9	53.2	53.8	53.6
Full Simulation Period Average^a	54.9	53.3	50.6	48.8	48.9	51.4	55.1	56.2	54.8	54.3	55.0	55.4
Wet Years (28%)	53.2	52.5	50.9	47.8	47.6	49.9	54.0	56.5	55.0	54.0	54.1	53.8
Above Normal Years (14%)	53.6	52.3	50.0	48.3	48.0	51.0	55.3	56.2	54.6	53.6	53.9	53.8
Below Normal Years (18%)	54.3	53.2	50.4	48.5	49.3	52.1	55.7	55.7	54.7	53.9	54.3	54.7
Dry Years (24%)	54.7	53.4	50.9	49.6	49.6	52.1	55.8	56.2	54.4	54.1	54.5	55.0
Critical Years (16%)	60.0	55.5	50.2	49.9	50.2	52.5	55.3	56.4	55.6	56.0	59.1	61.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-2 c. Sacramento River at Balls Ferry, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.4	0.4	-0.3	0.5	0.3	-0.0	-0.3	-1.0	-0.6	-1.1	-0.6	0.2
20% Exceedance	0.2	0.7	0.1	0.6	0.2	0.1	-0.1	-1.1	-0.7	-1.0	-1.4	-0.5
30% Exceedance	0.3	0.5	0.2	0.4	0.2	-0.1	-0.1	-1.0	-0.6	-0.4	-0.5	-0.1
40% Exceedance	-0.1	0.1	0.1	0.4	0.3	0.0	-0.1	-1.1	-0.6	-0.4	-0.4	-0.4
50% Exceedance	-0.0	-0.1	0.2	0.1	0.1	0.0	-0.3	-1.1	-0.5	-0.4	-0.3	-0.4
60% Exceedance	-0.1	-0.1	0.2	0.3	0.1	0.0	0.0	-1.0	-0.5	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.1	0.2	0.2	0.2	0.1	-0.3	-1.1	-0.4	-0.2	-0.2	-0.3
80% Exceedance	-0.2	-0.1	0.1	0.2	0.1	-0.0	0.2	-1.0	-0.4	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.0	-0.1	0.1	0.2	0.2	0.2	-0.5	-0.3	0.2	-0.2	-0.2
Full Simulation Period Average^a	0.1	0.1	0.1	0.3	0.2	0.0	-0.1	-0.9	-0.5	-0.4	-0.3	-0.2
Wet Years (28%)	-0.3	0.1	0.4	0.2	0.2	0.0	0.0	-1.0	-0.4	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	0.0	0.3	0.2	0.0	0.1	-1.1	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.2	0.3	0.1	0.2	0.2	-0.0	-0.0	-1.1	-0.4	-0.1	-0.3	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.3	0.2	0.1	0.0	-0.9	-0.4	-0.5	-0.6	-0.4
Critical Years (16%)	0.6	0.2	-0.3	0.4	0.3	-0.2	-0.9	-0.2	-0.7	-0.7	0.5	0.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-3 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-3 b. Sacramento River at Balls Ferry, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.2	55.7	51.7	51.2	51.1	53.7	57.5	57.5	56.1	55.9	55.8	57.0
20% Exceedance	55.6	54.4	51.5	50.4	50.3	53.3	56.8	57.2	55.5	54.8	55.2	56.2
30% Exceedance	54.7	53.7	51.3	49.8	49.8	52.5	56.2	56.6	55.3	54.4	54.5	55.0
40% Exceedance	54.1	53.1	50.9	49.2	49.4	52.2	55.8	56.3	54.9	54.2	54.2	54.3
50% Exceedance	53.7	52.8	50.7	48.4	49.0	51.9	55.2	56.1	54.7	54.1	54.1	54.0
60% Exceedance	53.5	52.5	50.4	48.2	48.6	51.5	54.7	55.8	54.5	53.9	54.0	53.9
70% Exceedance	53.4	52.3	50.1	47.9	48.0	50.7	54.4	55.5	54.3	53.8	53.9	53.8
80% Exceedance	53.3	52.0	49.9	47.3	47.5	49.9	53.7	55.2	54.1	53.6	53.9	53.8
90% Exceedance	53.2	51.6	49.1	47.0	46.7	48.8	53.1	54.7	53.9	53.2	53.8	53.6
Full Simulation Period Average^a	54.7	53.2	50.6	48.8	48.9	51.5	55.2	56.2	54.9	54.3	54.6	55.0
Wet Years (28%)	53.2	52.5	51.0	47.8	47.6	49.9	54.0	56.5	55.0	54.0	54.1	53.8
Above Normal Years (14%)	53.6	52.2	50.0	48.3	48.0	51.2	55.3	56.2	54.6	53.6	53.9	53.7
Below Normal Years (18%)	54.1	53.1	50.4	48.7	49.4	52.2	55.7	55.7	54.6	53.8	54.2	54.6
Dry Years (24%)	54.7	53.3	50.8	49.6	49.6	52.2	55.8	56.2	54.5	54.1	54.5	55.0
Critical Years (16%)	59.1	55.7	50.5	50.2	50.5	52.9	55.7	56.1	55.8	56.1	56.8	58.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-3 c. Sacramento River at Balls Ferry, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.5	-0.3	0.6	0.3	0.2	-0.1	-1.4	-0.6	-1.0	-1.3	-0.1
20% Exceedance	-0.2	0.4	0.1	0.6	0.2	0.4	0.1	-1.1	-0.6	-1.2	-1.4	-0.5
30% Exceedance	0.2	0.4	0.1	0.5	0.2	0.1	-0.1	-1.2	-0.6	-0.4	-0.5	-0.3
40% Exceedance	-0.0	0.1	0.1	0.4	0.3	0.2	-0.1	-1.2	-0.5	-0.4	-0.4	-0.6
50% Exceedance	-0.1	-0.1	0.2	0.2	0.2	0.1	-0.1	-1.1	-0.5	-0.4	-0.3	-0.4
60% Exceedance	-0.2	-0.1	0.2	0.3	0.2	0.4	0.1	-1.0	-0.5	-0.3	-0.2	-0.3
70% Exceedance	-0.1	-0.1	0.3	0.3	0.3	0.1	-0.2	-1.1	-0.4	-0.2	-0.3	-0.3
80% Exceedance	-0.2	-0.2	0.2	0.3	0.3	0.1	0.1	-1.0	-0.4	-0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.1	0.1	0.4	0.2	0.2	0.3	-0.4	-0.3	0.2	-0.2	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.4	0.3	0.1	-0.1	-0.9	-0.5	-0.3	-0.6	-0.6
Wet Years (28%)	-0.2	0.1	0.4	0.2	0.2	0.0	0.0	-1.0	-0.4	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.3	0.2	0.1	-1.0	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	-0.0	0.2	-0.0	0.3	0.4	0.1	-0.1	-1.1	-0.5	-0.1	-0.4	-0.6
Dry Years (24%)	0.1	0.1	0.1	0.4	0.2	0.2	0.0	-1.0	-0.4	-0.5	-0.6	-0.4
Critical Years (16%)	-0.3	0.4	0.0	0.7	0.6	0.2	-0.4	-0.4	-0.5	-0.5	-1.8	-1.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-4 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-4 b. Sacramento River at Balls Ferry, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	55.7	51.8	51.0	51.2	53.6	57.2	57.8	56.2	55.8	56.6	57.5
20% Exceedance	56.1	54.7	51.5	50.5	50.2	53.0	56.5	57.2	55.5	55.0	55.0	56.2
30% Exceedance	54.6	53.8	51.2	49.8	49.7	52.3	56.2	56.7	55.2	54.5	54.5	54.9
40% Exceedance	54.1	53.1	50.8	49.2	49.4	52.0	55.7	56.3	55.0	54.2	54.3	54.5
50% Exceedance	53.8	52.8	50.6	48.4	49.0	51.8	55.0	56.1	54.7	54.1	54.1	54.1
60% Exceedance	53.6	52.6	50.4	48.2	48.6	51.1	54.6	55.8	54.4	53.9	54.0	53.9
70% Exceedance	53.5	52.3	50.0	47.8	48.0	50.6	54.2	55.4	54.3	53.8	53.9	53.9
80% Exceedance	53.3	52.1	49.8	47.2	47.3	49.9	53.6	55.0	54.1	53.6	53.9	53.8
90% Exceedance	53.1	51.5	49.0	46.7	46.6	48.8	52.8	54.8	53.9	53.2	53.7	53.7
Full Simulation Period Average^a	54.9	53.2	50.5	48.8	48.9	51.4	55.1	56.2	54.9	54.3	55.0	55.4
Wet Years (28%)	53.2	52.5	50.9	47.7	47.6	49.9	54.0	56.5	55.0	54.0	54.1	53.8
Above Normal Years (14%)	53.6	52.3	49.9	48.3	48.0	51.0	55.3	56.1	54.6	53.6	53.9	53.7
Below Normal Years (18%)	54.4	53.2	50.4	48.6	49.3	52.1	55.7	55.7	54.7	53.9	54.3	54.6
Dry Years (24%)	54.8	53.4	50.8	49.6	49.6	52.1	55.8	56.1	54.5	54.1	54.5	55.0
Critical Years (16%)	59.8	55.4	50.2	49.9	50.3	52.3	55.1	56.4	55.6	55.9	59.1	61.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-4 c. Sacramento River at Balls Ferry, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.9	0.5	-0.3	0.4	0.3	0.1	-0.4	-1.1	-0.5	-1.1	-0.6	0.4
20% Exceedance	0.3	0.6	0.1	0.7	0.2	0.1	-0.2	-1.1	-0.7	-1.1	-1.5	-0.5
30% Exceedance	0.1	0.4	0.1	0.4	0.2	-0.1	-0.1	-1.1	-0.6	-0.3	-0.5	-0.5
40% Exceedance	0.1	0.1	0.0	0.4	0.3	-0.0	-0.1	-1.1	-0.5	-0.4	-0.3	-0.4
50% Exceedance	0.0	-0.1	0.1	0.2	0.2	0.0	-0.3	-1.1	-0.5	-0.4	-0.3	-0.4
60% Exceedance	-0.1	-0.1	0.2	0.3	0.2	0.0	-0.1	-1.1	-0.6	-0.3	-0.3	-0.3
70% Exceedance	-0.1	-0.2	0.2	0.3	0.2	0.0	-0.3	-1.2	-0.5	-0.2	-0.2	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	0.1	-1.1	-0.4	-0.0	-0.2	-0.2
90% Exceedance	-0.1	-0.1	-0.1	0.1	0.1	0.2	-0.0	-0.4	-0.3	0.2	-0.3	-0.2
Full Simulation Period Average^a	0.1	0.1	0.1	0.3	0.2	-0.0	-0.1	-0.9	-0.5	-0.4	-0.2	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.2	0.1	0.0	-1.0	-0.4	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	-0.0	0.3	0.2	0.0	0.1	-1.1	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.3	0.3	0.0	0.2	0.2	-0.0	0.0	-1.1	-0.5	-0.1	-0.3	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.4	0.2	0.2	0.0	-1.0	-0.3	-0.5	-0.6	-0.4
Critical Years (16%)	0.4	0.1	-0.3	0.4	0.4	-0.3	-1.0	-0.2	-0.8	-0.7	0.6	0.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-5 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-5 b. Sacramento River at Balls Ferry, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.5	55.4	51.8	51.1	51.1	53.5	57.2	57.9	56.1	55.8	56.6	57.6
20% Exceedance	55.7	54.8	51.5	50.4	50.2	53.0	56.6	57.3	55.6	55.0	55.1	56.3
30% Exceedance	54.5	53.7	51.2	49.7	49.7	52.5	56.0	56.6	55.3	54.5	54.6	55.0
40% Exceedance	54.0	53.1	50.9	49.2	49.3	52.1	55.6	56.4	55.0	54.3	54.3	54.4
50% Exceedance	53.7	52.9	50.6	48.4	48.9	51.8	55.1	56.1	54.8	54.1	54.2	54.1
60% Exceedance	53.6	52.6	50.4	48.2	48.5	51.2	54.7	55.8	54.5	53.9	54.1	53.9
70% Exceedance	53.5	52.3	50.1	47.9	48.0	50.7	54.1	55.4	54.4	53.8	54.0	53.9
80% Exceedance	53.3	52.1	49.7	47.2	47.3	49.9	53.6	55.0	54.2	53.6	53.9	53.8
90% Exceedance	53.1	51.5	49.0	46.6	46.7	48.8	53.1	54.7	53.9	53.2	53.8	53.6
Full Simulation Period Average^a	54.9	53.2	50.6	48.7	48.8	51.4	55.0	56.2	54.9	54.3	55.0	55.5
Wet Years (28%)	53.2	52.5	50.9	47.7	47.5	49.9	54.0	56.5	55.0	54.0	54.1	53.8
Above Normal Years (14%)	53.6	52.3	50.0	48.3	48.0	51.0	55.1	56.2	54.7	53.6	53.9	53.8
Below Normal Years (18%)	54.2	53.1	50.4	48.5	49.3	52.1	55.4	55.7	54.8	53.9	54.3	54.6
Dry Years (24%)	54.6	53.3	50.9	49.5	49.6	52.2	55.9	56.3	54.6	54.2	54.5	55.0
Critical Years (16%)	60.2	55.5	50.1	49.8	50.2	52.5	55.2	56.3	55.7	56.0	59.1	61.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-5 c. Sacramento River at Balls Ferry, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.7	0.3	-0.3	0.5	0.3	-0.0	-0.5	-1.0	-0.5	-1.1	-0.6	0.5
20% Exceedance	-0.0	0.7	0.1	0.5	0.2	0.1	-0.2	-1.0	-0.6	-1.0	-1.5	-0.4
30% Exceedance	0.0	0.3	0.1	0.4	0.1	0.1	-0.3	-1.2	-0.6	-0.3	-0.5	-0.3
40% Exceedance	-0.0	0.1	0.1	0.4	0.3	0.1	-0.3	-1.1	-0.4	-0.3	-0.3	-0.4
50% Exceedance	-0.1	-0.0	0.1	0.1	0.2	0.1	-0.3	-1.1	-0.3	-0.4	-0.3	-0.4
60% Exceedance	-0.1	-0.1	0.2	0.3	0.1	0.0	-0.0	-1.0	-0.5	-0.3	-0.2	-0.3
70% Exceedance	-0.1	-0.2	0.2	0.3	0.2	0.1	-0.4	-1.2	-0.4	-0.2	-0.2	-0.3
80% Exceedance	-0.1	-0.1	0.1	0.2	0.1	0.0	0.1	-1.1	-0.3	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.2	-0.1	0.1	0.2	0.1	0.2	-0.4	-0.3	0.2	-0.2	-0.2
Full Simulation Period Average^a	0.1	0.1	0.1	0.3	0.2	0.0	-0.2	-0.9	-0.4	-0.3	-0.2	-0.1
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.2	0.0	0.0	-1.0	-0.4	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.1	0.3	0.2	-0.0	-0.1	-1.1	-0.3	-0.2	-0.3	-0.2
Below Normal Years (18%)	0.1	0.2	0.0	0.2	0.2	0.0	-0.3	-1.1	-0.3	-0.0	-0.3	-0.5
Dry Years (24%)	-0.0	0.1	0.1	0.3	0.2	0.2	0.1	-0.9	-0.2	-0.5	-0.6	-0.5
Critical Years (16%)	0.8	0.2	-0.3	0.3	0.3	-0.2	-0.9	-0.2	-0.7	-0.7	0.5	1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-6 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-6 b. Sacramento River at Balls Ferry, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.4	55.7	51.9	51.1	51.0	53.9	56.8	57.2	56.5	55.8	55.9	56.9
20% Exceedance	55.4	54.0	51.5	50.3	50.4	53.3	56.4	56.4	56.0	55.1	55.2	55.6
30% Exceedance	54.6	53.3	51.2	49.6	49.7	52.8	56.1	56.2	55.7	54.7	54.6	55.2
40% Exceedance	53.9	53.1	50.9	49.2	49.4	52.4	55.9	56.0	55.5	54.5	54.4	54.9
50% Exceedance	53.8	52.9	50.7	48.4	49.0	51.9	55.5	55.8	55.3	54.3	54.4	54.6
60% Exceedance	53.7	52.8	50.5	48.1	48.4	51.5	55.0	55.7	55.1	54.2	54.2	54.4
70% Exceedance	53.6	52.5	50.3	47.8	48.0	50.7	54.4	55.3	54.8	54.0	54.1	54.3
80% Exceedance	53.4	52.3	49.9	47.4	47.4	49.8	53.8	55.0	54.5	53.8	54.0	54.1
90% Exceedance	53.3	51.8	49.3	46.9	46.6	48.7	53.2	54.4	54.3	53.5	53.8	53.9
Full Simulation Period Average^a	54.6	53.3	50.7	48.8	48.9	51.6	55.1	55.8	55.4	54.5	54.7	55.2
Wet Years (28%)	53.4	52.5	50.8	47.7	47.5	49.8	53.8	56.0	55.9	54.3	54.5	54.2
Above Normal Years (14%)	53.6	52.5	50.2	48.1	47.8	50.9	55.1	55.6	55.7	54.1	54.2	54.2
Below Normal Years (18%)	54.0	52.8	50.3	48.6	49.4	52.3	55.7	55.8	55.1	54.2	54.1	54.8
Dry Years (24%)	54.7	53.3	50.9	49.5	49.5	52.5	56.0	55.6	54.7	54.2	54.3	55.3
Critical Years (16%)	58.2	55.7	50.9	50.3	50.6	53.1	55.5	56.0	55.7	55.9	56.5	58.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-6 c. Sacramento River at Balls Ferry, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	0.5	-0.1	0.5	0.1	0.4	-0.9	-1.7	-0.2	-1.1	-1.2	-0.2
20% Exceedance	-0.4	-0.0	0.0	0.5	0.4	0.4	-0.4	-1.8	-0.2	-0.9	-1.4	-1.1
30% Exceedance	0.1	-0.1	0.0	0.3	0.1	0.4	-0.2	-1.6	-0.2	-0.0	-0.5	-0.2
40% Exceedance	-0.2	0.1	0.1	0.4	0.3	0.4	0.1	-1.4	0.1	-0.1	-0.2	-0.0
50% Exceedance	-0.0	0.0	0.2	0.1	0.3	0.1	0.2	-1.3	0.1	-0.2	-0.1	0.1
60% Exceedance	0.0	0.1	0.2	0.2	0.1	0.3	0.3	-1.2	0.1	-0.0	-0.1	0.2
70% Exceedance	0.0	0.1	0.5	0.2	0.3	0.1	-0.1	-1.3	0.0	0.0	-0.1	0.1
80% Exceedance	0.0	0.1	0.3	0.3	0.2	-0.0	0.3	-1.2	-0.0	0.3	-0.1	0.0
90% Exceedance	0.1	0.1	0.2	0.3	0.1	0.0	0.3	-0.7	0.0	0.5	-0.1	0.0
Full Simulation Period Average^a	-0.2	0.1	0.2	0.3	0.2	0.2	-0.1	-1.3	0.1	-0.1	-0.6	-0.4
Wet Years (28%)	-0.1	0.1	0.2	0.1	0.1	-0.1	-0.1	-1.5	0.5	0.0	0.1	0.2
Above Normal Years (14%)	-0.0	0.2	0.3	0.1	0.1	-0.0	-0.2	-1.7	0.7	0.3	-0.0	0.1
Below Normal Years (18%)	-0.1	-0.1	-0.0	0.3	0.3	0.2	-0.0	-0.9	-0.1	0.2	-0.5	-0.3
Dry Years (24%)	0.1	0.2	0.1	0.2	0.1	0.5	0.2	-1.5	-0.2	-0.4	-0.8	-0.1
Critical Years (16%)	-1.2	0.4	0.5	0.8	0.7	0.4	-0.7	-0.6	-0.7	-0.8	-2.1	-2.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-7 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-7 b. Sacramento River at Balls Ferry, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.2	55.0	53.2	50.6	51.0	53.8	57.4	58.6	57.1	56.9	56.9	57.1
20% Exceedance	55.8	53.9	52.5	49.9	50.2	53.2	56.7	57.7	56.3	55.6	55.4	55.4
30% Exceedance	54.4	53.2	52.1	49.6	49.5	52.5	56.3	57.4	55.9	54.9	54.9	54.9
40% Exceedance	54.0	52.9	51.5	48.9	49.2	52.1	55.7	57.0	55.5	54.6	54.6	54.6
50% Exceedance	53.9	52.7	51.1	48.2	48.8	51.8	55.2	56.4	55.2	54.4	54.5	54.5
60% Exceedance	53.7	52.6	50.7	47.9	48.4	51.1	54.7	56.1	55.0	54.2	54.4	54.4
70% Exceedance	53.7	52.2	50.3	47.6	47.8	50.6	54.3	55.8	54.7	54.0	54.3	54.3
80% Exceedance	53.5	51.9	50.0	47.1	47.1	49.8	53.8	55.4	54.5	53.6	54.2	54.2
90% Exceedance	53.4	51.6	49.3	46.7	46.4	48.6	53.0	54.9	54.2	53.1	54.1	54.1
Full Simulation Period Average^a	54.7	53.0	51.2	48.5	48.7	51.4	55.2	56.6	55.4	54.6	55.0	55.2
Wet Years (28%)	53.6	52.4	51.4	47.5	47.3	49.7	53.9	56.8	55.5	54.3	54.5	54.2
Above Normal Years (14%)	53.9	52.4	50.7	48.0	47.8	50.9	55.3	56.5	55.1	53.8	54.3	54.4
Below Normal Years (18%)	54.1	52.6	50.9	48.4	49.2	52.2	55.5	56.1	55.2	54.0	54.5	55.0
Dry Years (24%)	54.5	52.9	51.5	49.3	49.5	52.1	55.8	56.9	54.9	54.4	54.8	54.9
Critical Years (16%)	58.5	55.3	51.1	49.8	50.1	52.9	56.2	56.6	56.7	56.8	57.5	58.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-7 c. Sacramento River at Balls Ferry, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.6	-0.1	1.2	-0.1	0.2	0.3	-0.3	-0.3	0.4	0.1	-0.2	-0.1
20% Exceedance	0.0	-0.2	1.1	0.1	0.1	0.3	-0.1	-0.6	0.2	-0.4	-1.1	-1.3
30% Exceedance	-0.1	-0.2	0.9	0.2	-0.1	0.1	0.0	-0.4	0.1	0.1	-0.2	-0.4
40% Exceedance	-0.1	-0.1	0.6	0.1	0.1	0.1	-0.1	-0.4	0.1	0.0	0.0	-0.3
50% Exceedance	0.1	-0.1	0.7	-0.1	0.1	0.0	-0.1	-0.7	0.1	-0.1	0.1	0.0
60% Exceedance	0.1	-0.1	0.4	0.1	0.0	-0.0	0.0	-0.7	-0.0	-0.1	0.2	0.2
70% Exceedance	0.1	-0.3	0.5	0.0	0.0	-0.0	-0.2	-0.8	-0.0	-0.1	0.1	0.2
80% Exceedance	0.1	-0.3	0.4	0.0	-0.1	-0.1	0.3	-0.7	-0.1	0.0	0.1	0.2
90% Exceedance	0.2	-0.1	0.2	0.2	-0.1	-0.0	0.1	-0.3	0.0	0.1	0.1	0.2
Full Simulation Period Average^a	-0.1	-0.1	0.7	0.0	0.1	0.0	-0.0	-0.5	0.1	0.0	-0.2	-0.4
Wet Years (28%)	0.2	0.0	0.8	-0.1	-0.1	-0.1	-0.0	-0.6	0.1	0.0	0.1	0.1
Above Normal Years (14%)	0.2	0.0	0.7	0.0	0.0	-0.1	0.0	-0.7	0.1	-0.0	0.1	0.4
Below Normal Years (18%)	-0.0	-0.3	0.5	0.1	0.2	0.1	-0.2	-0.6	0.0	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.3	0.7	0.0	0.0	0.1	-0.0	-0.3	0.0	-0.2	-0.3	-0.5
Critical Years (16%)	-0.9	0.0	0.7	0.3	0.2	0.2	0.1	-0.0	0.3	0.2	-1.1	-2.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-8 a. Sacramento River at Balls Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	56.8	55.2	52.1	50.6	50.8	53.5	57.6	58.9	56.7	56.9	57.1	57.1
20% Exceedance	55.8	54.1	51.5	49.8	50.0	52.9	56.8	58.3	56.1	56.0	56.6	56.7
30% Exceedance	54.5	53.4	51.2	49.4	49.6	52.4	56.3	57.8	55.9	54.8	55.0	55.3
40% Exceedance	54.1	53.1	50.8	48.8	49.1	52.1	55.8	57.4	55.4	54.6	54.6	54.9
50% Exceedance	53.8	52.9	50.4	48.3	48.7	51.8	55.3	57.1	55.2	54.4	54.4	54.4
60% Exceedance	53.7	52.7	50.2	47.9	48.4	51.1	54.7	56.9	55.0	54.2	54.3	54.2
70% Exceedance	53.6	52.5	49.8	47.6	47.8	50.6	54.5	56.6	54.7	54.0	54.2	54.1
80% Exceedance	53.4	52.2	49.7	47.1	47.2	49.9	53.5	56.1	54.5	53.6	54.1	54.0
90% Exceedance	53.2	51.7	49.1	46.6	46.5	48.6	52.9	55.2	54.2	53.0	54.0	53.9
Full Simulation Period Average^a	54.8	53.1	50.5	48.5	48.7	51.4	55.2	57.1	55.3	54.6	55.3	55.6
Wet Years (28%)	53.5	52.4	50.6	47.6	47.4	49.8	53.9	57.5	55.4	54.3	54.4	54.1
Above Normal Years (14%)	53.6	52.4	49.9	48.0	47.8	51.0	55.3	57.2	55.0	53.8	54.2	54.0
Below Normal Years (18%)	54.1	52.9	50.4	48.4	49.1	52.1	55.7	56.8	55.1	53.9	54.6	55.2
Dry Years (24%)	54.6	53.2	50.8	49.2	49.4	52.0	55.8	57.1	54.8	54.6	55.1	55.4
Critical Years (16%)	59.4	55.3	50.4	49.5	49.9	52.7	56.2	56.6	56.4	56.6	58.6	60.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-8 b. Sacramento River at Balls Ferry, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.2	55.5	51.8	50.8	51.1	53.9	57.4	57.8	56.1	55.7	55.9	57.6
20% Exceedance	55.5	54.2	51.5	50.2	50.3	53.3	56.8	57.1	55.6	54.8	54.9	55.8
30% Exceedance	54.4	53.5	51.2	49.7	49.8	52.8	56.2	56.7	55.2	54.4	54.5	54.9
40% Exceedance	53.9	53.1	51.0	49.2	49.3	52.3	55.7	56.4	55.1	54.2	54.3	54.4
50% Exceedance	53.7	52.8	50.7	48.5	49.0	52.1	55.1	56.0	54.9	54.1	54.1	54.2
60% Exceedance	53.6	52.6	50.5	48.2	48.6	51.2	54.7	55.9	54.6	53.9	54.1	54.1
70% Exceedance	53.5	52.5	50.1	47.9	48.0	50.7	54.3	55.5	54.4	53.8	54.0	53.9
80% Exceedance	53.3	52.2	49.9	47.3	47.4	49.8	53.6	55.1	54.3	53.6	53.9	53.8
90% Exceedance	53.2	51.8	49.0	47.0	46.6	48.8	53.2	54.6	54.0	53.1	53.8	53.7
Full Simulation Period Average^a	54.7	53.2	50.6	48.8	48.9	51.5	55.2	56.2	54.9	54.3	54.6	55.1
Wet Years (28%)	53.4	52.6	50.9	47.7	47.5	49.8	53.9	56.5	55.0	54.0	54.1	53.8
Above Normal Years (14%)	53.5	52.3	50.2	48.3	48.0	50.9	55.2	56.2	54.8	53.6	54.0	54.2
Below Normal Years (18%)	54.2	53.1	50.4	48.7	49.5	52.2	55.3	55.6	54.9	53.9	54.2	54.6
Dry Years (24%)	54.5	53.1	50.8	49.5	49.6	52.4	56.0	56.2	54.5	54.2	54.5	54.8
Critical Years (16%)	59.3	55.7	50.4	50.0	50.5	52.9	56.0	56.2	55.7	56.1	56.8	59.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-9-8 c. Sacramento River at Balls Ferry, Action 5 Minus NAA, Monthly Temperature (DEG-F)

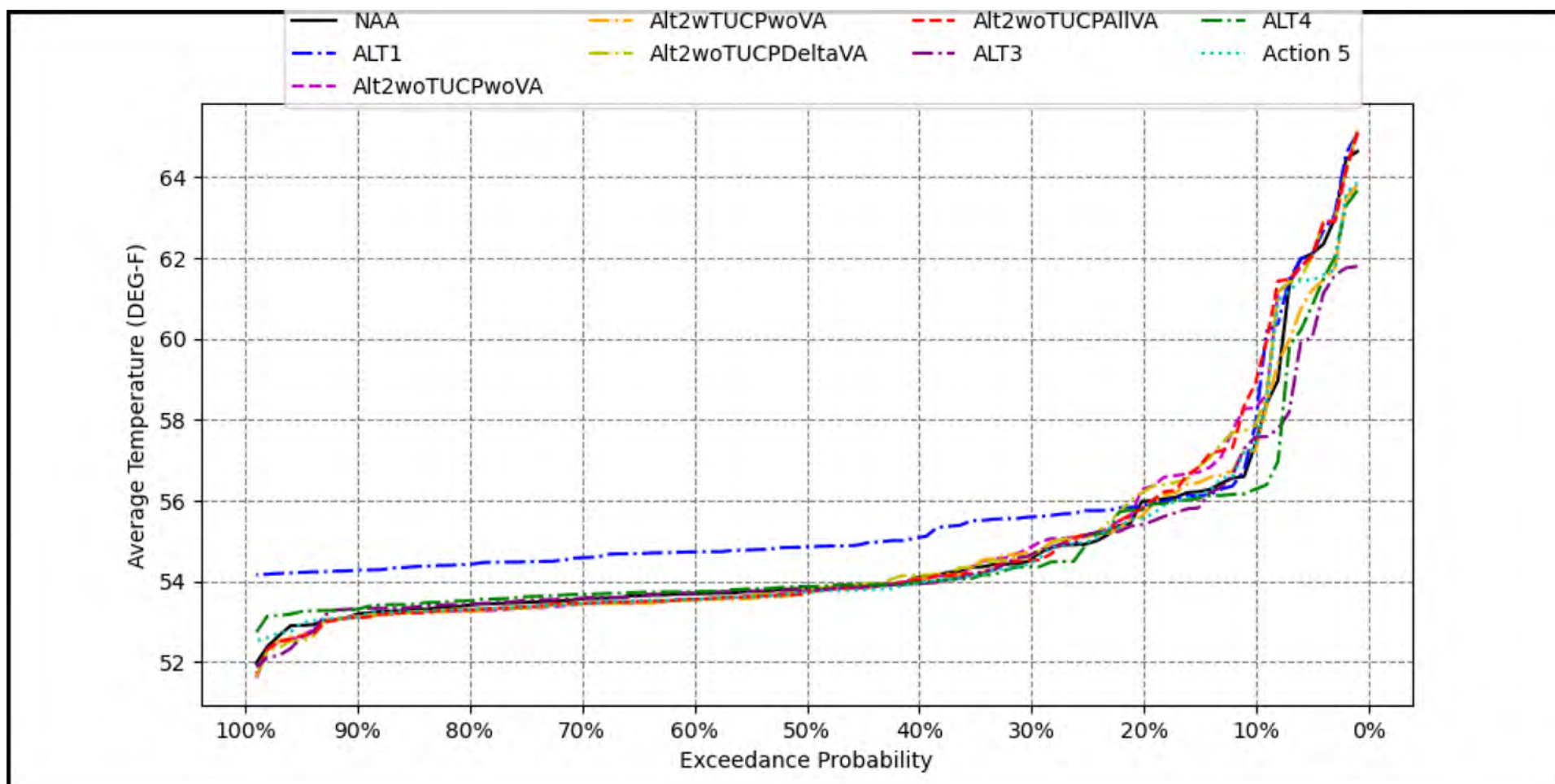
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.3	-0.3	0.2	0.3	0.4	-0.2	-1.1	-0.6	-1.2	-1.3	0.5
20% Exceedance	-0.2	0.2	0.1	0.4	0.3	0.4	0.0	-1.2	-0.5	-1.2	-1.7	-0.9
30% Exceedance	-0.1	0.1	0.1	0.3	0.3	0.4	-0.1	-1.1	-0.6	-0.3	-0.6	-0.4
40% Exceedance	-0.2	0.0	0.2	0.4	0.3	0.3	-0.1	-1.1	-0.4	-0.4	-0.3	-0.5
50% Exceedance	-0.1	-0.1	0.3	0.2	0.3	0.3	-0.3	-1.1	-0.3	-0.4	-0.3	-0.2
60% Exceedance	-0.1	-0.0	0.3	0.3	0.2	0.0	0.0	-1.0	-0.4	-0.3	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.3	0.3	0.2	0.1	-0.2	-1.1	-0.4	-0.2	-0.2	-0.2
80% Exceedance	-0.1	-0.0	0.2	0.2	0.2	-0.0	0.1	-1.1	-0.3	0.1	-0.2	-0.2
90% Exceedance	-0.0	0.1	-0.0	0.4	0.1	0.1	0.3	-0.6	-0.2	0.1	-0.2	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.3	0.3	0.2	-0.1	-0.9	-0.4	-0.3	-0.6	-0.5
Wet Years (28%)	-0.1	0.2	0.3	0.2	0.1	-0.0	0.0	-1.0	-0.4	-0.3	-0.3	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.2	0.3	0.2	-0.0	-0.1	-1.1	-0.2	-0.2	-0.2	0.2
Below Normal Years (18%)	0.1	0.2	0.0	0.3	0.4	0.1	-0.4	-1.1	-0.3	-0.1	-0.4	-0.6
Dry Years (24%)	-0.2	-0.1	0.1	0.3	0.1	0.4	0.2	-1.0	-0.3	-0.5	-0.7	-0.6
Critical Years (16%)	-0.1	0.4	-0.1	0.5	0.6	0.3	-0.2	-0.4	-0.6	-0.5	-1.7	-1.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

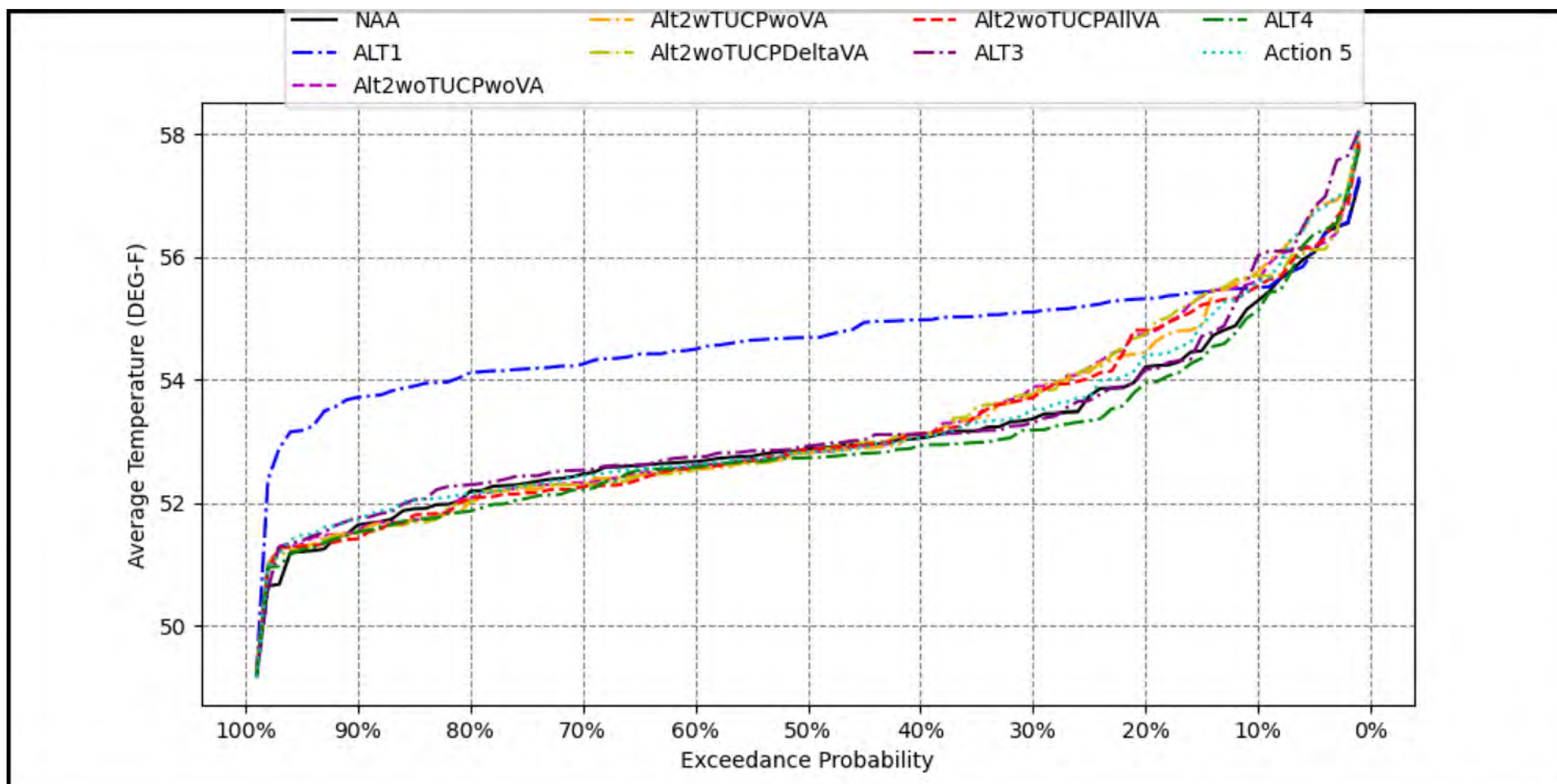
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



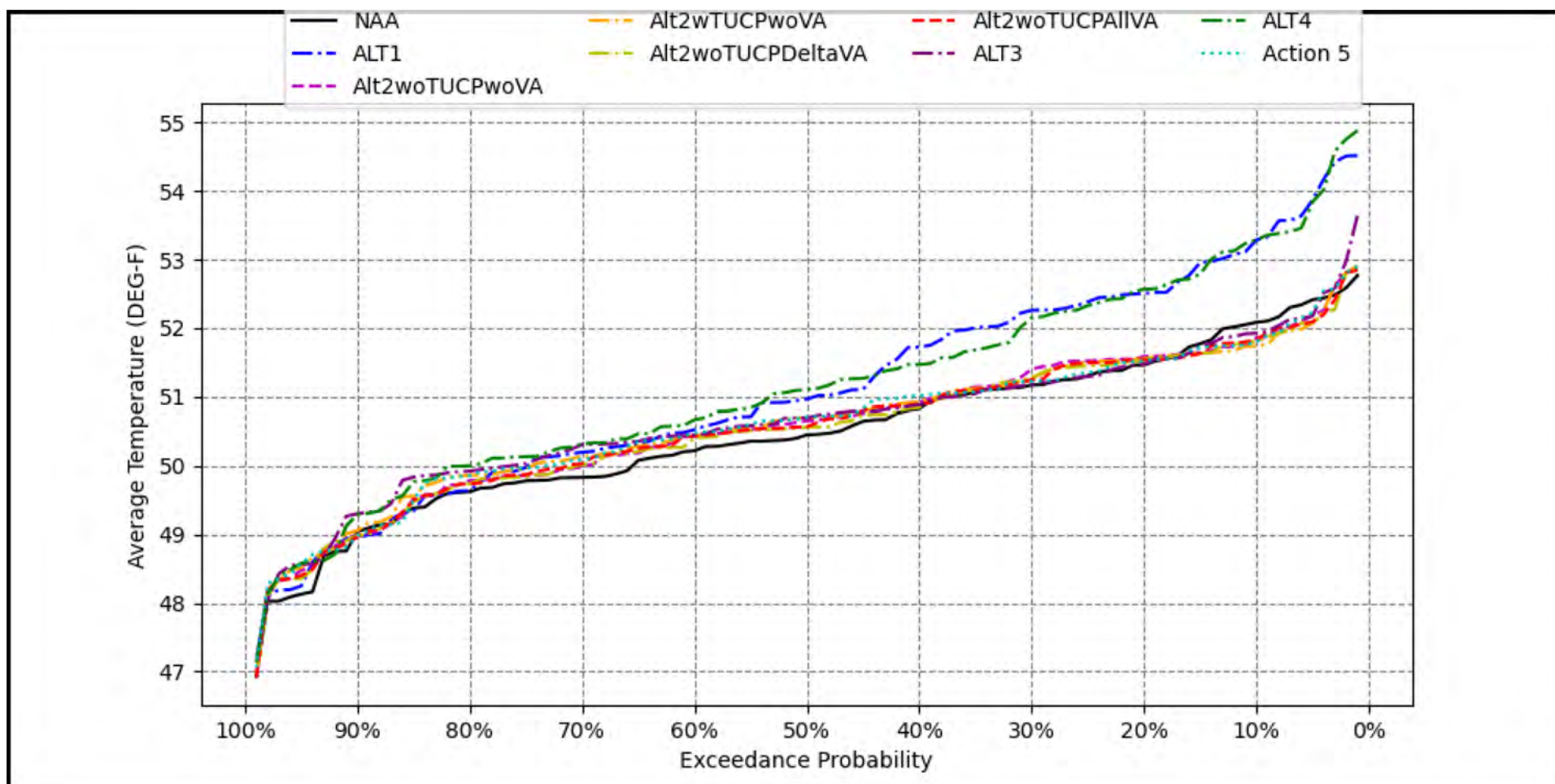
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-1 Sacramento River at Balls Ferry, October Temperature



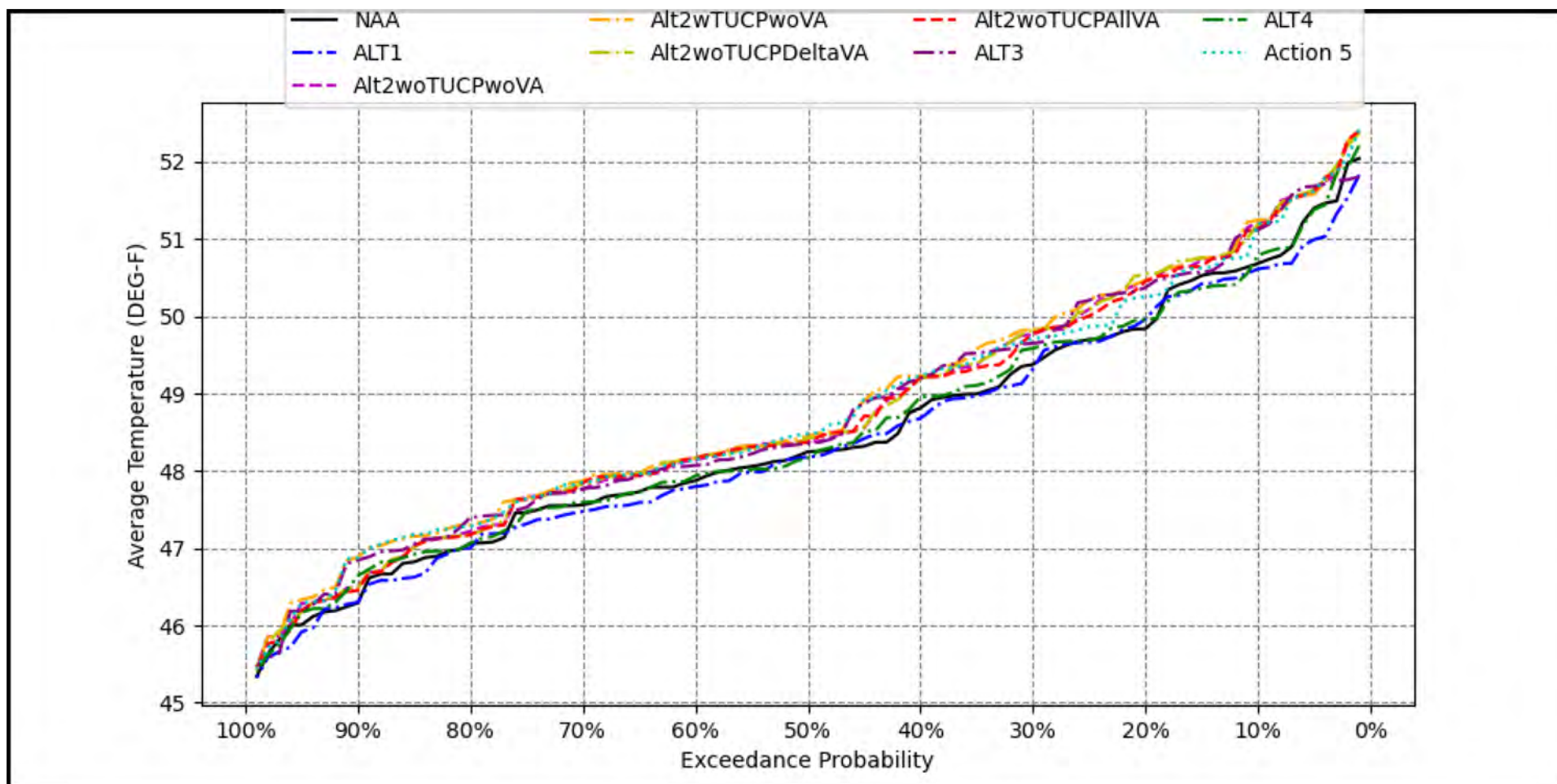
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-2 Sacramento River at Balls Ferry, November Temperature



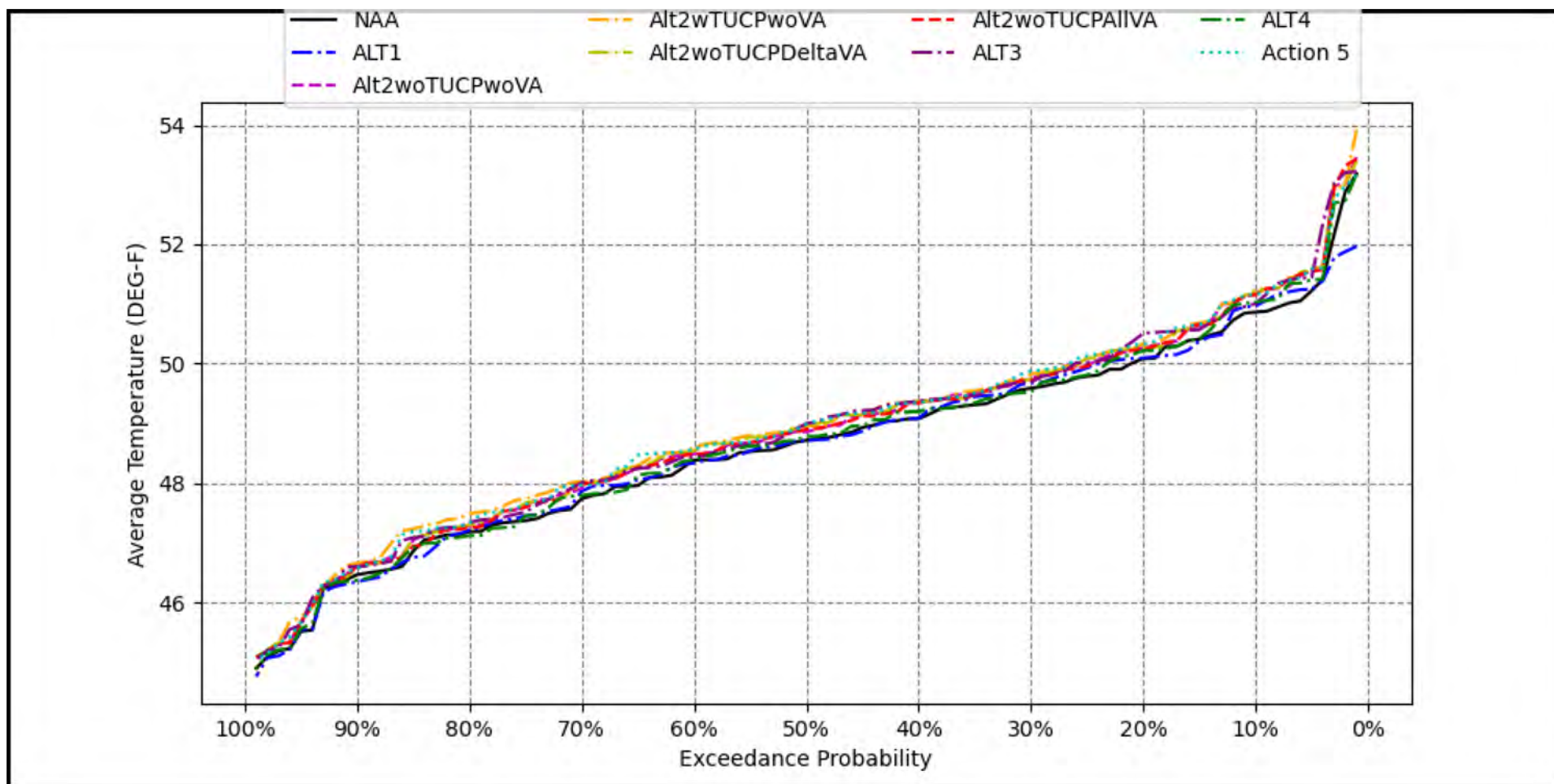
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-3 Sacramento River at Balls Ferry, December Temperature



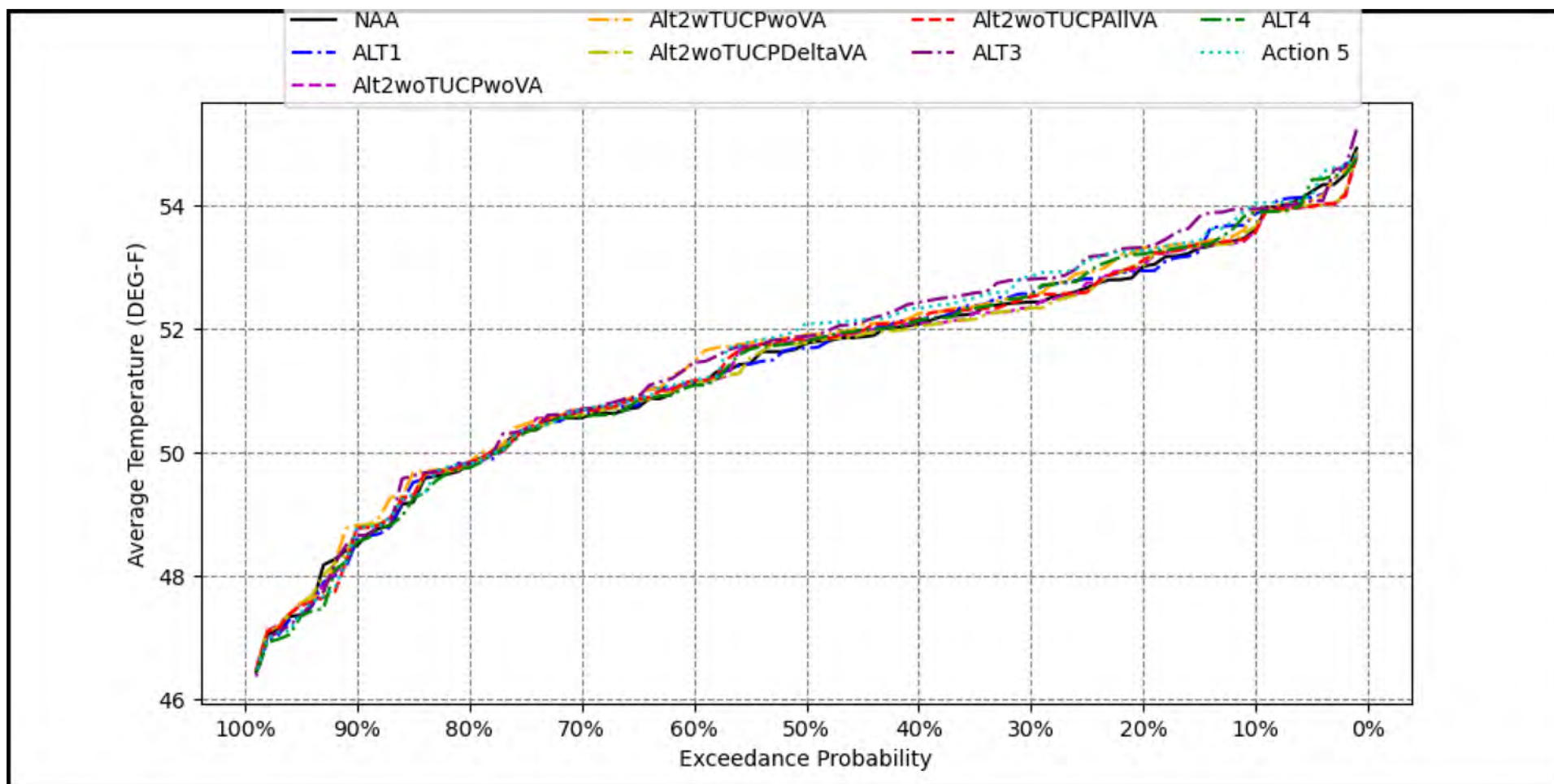
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-4 Sacramento River at Balls Ferry, January Temperature



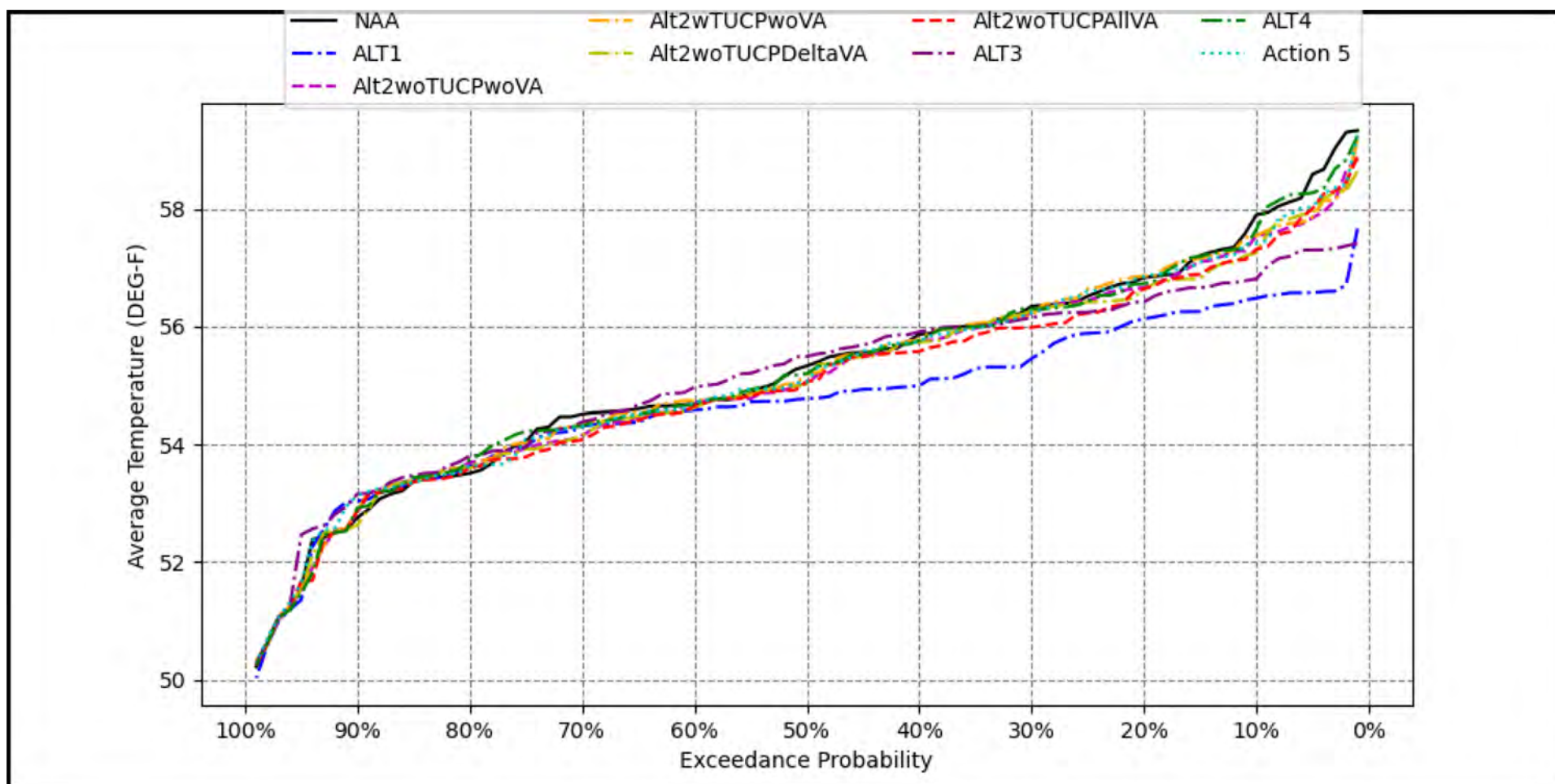
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-5 Sacramento River at Balls Ferry, February Temperature



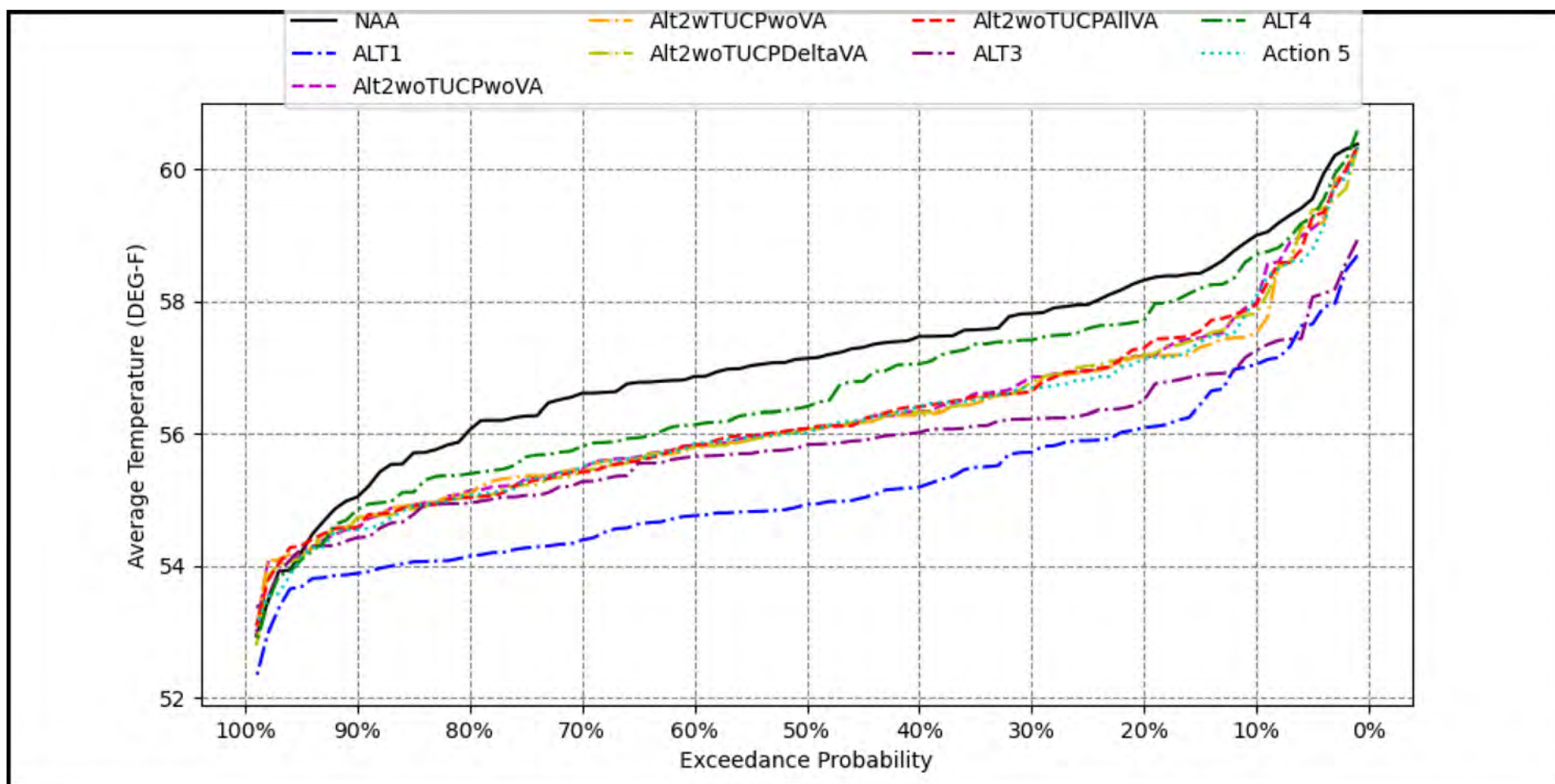
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-6 Sacramento River at Balls Ferry, March Temperature



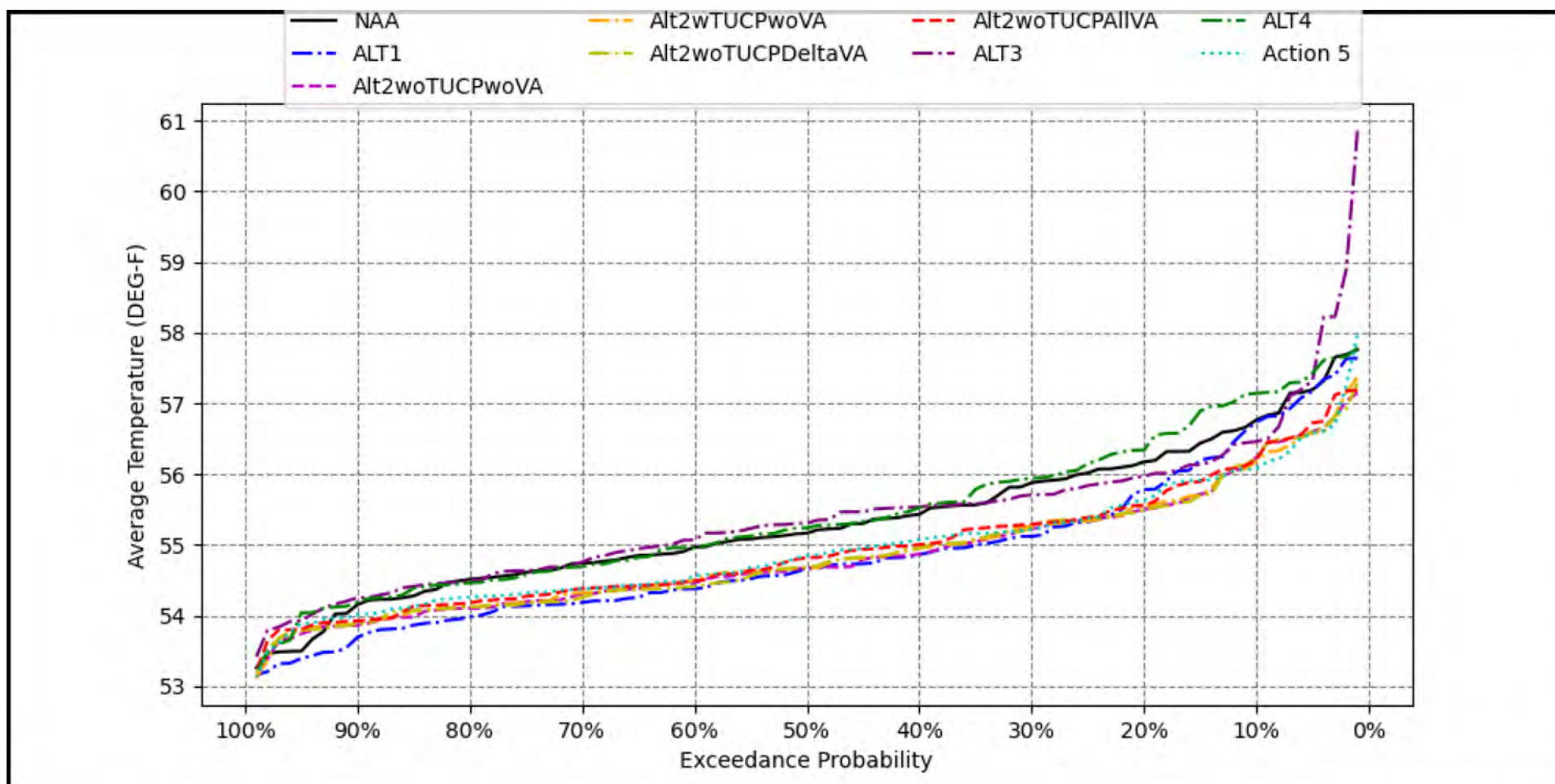
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-7 Sacramento River at Balls Ferry, April Temperature



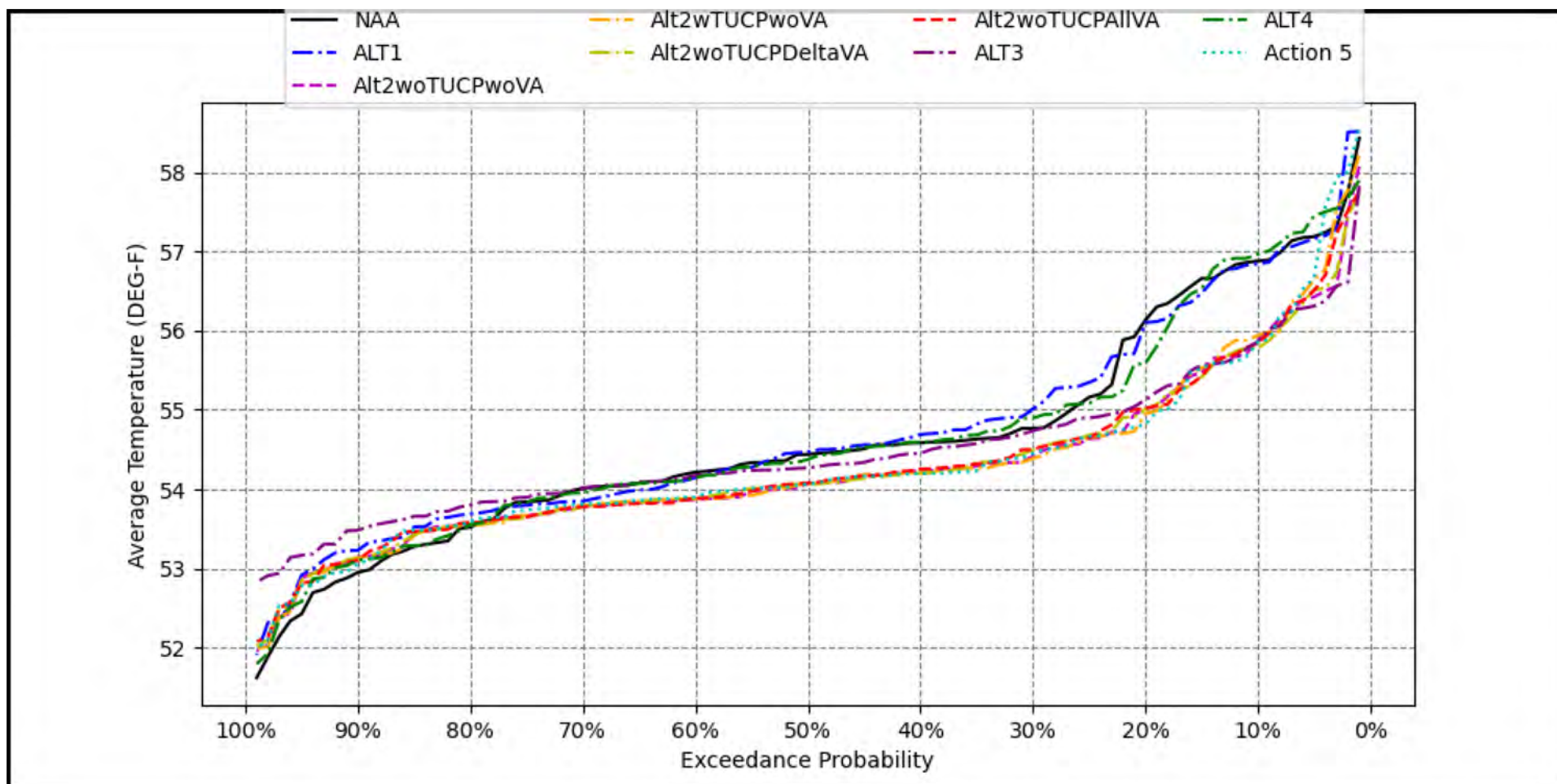
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-8 Sacramento River at Balls Ferry, May Temperature



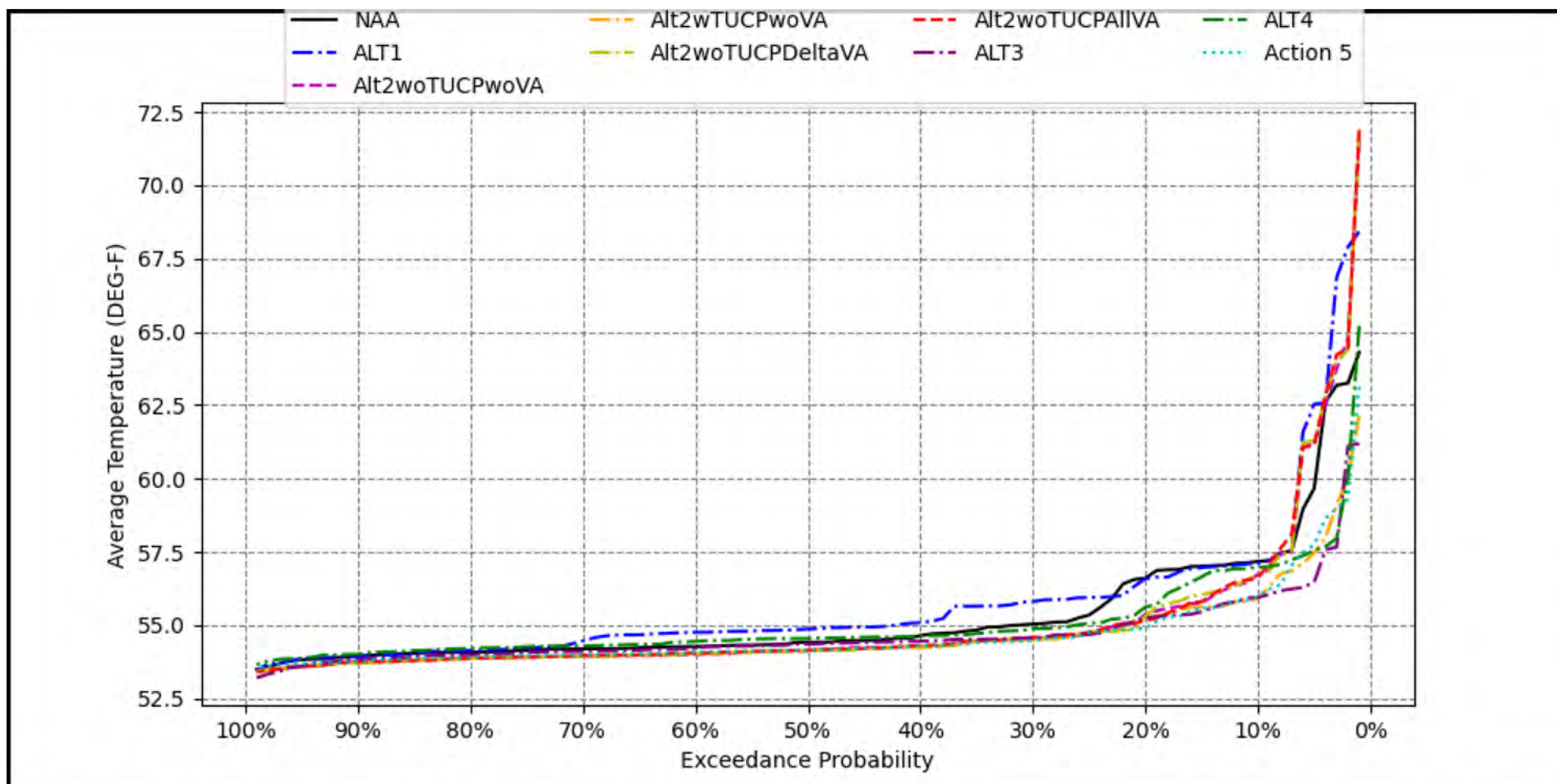
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-9 Sacramento River at Balls Ferry, June Temperature



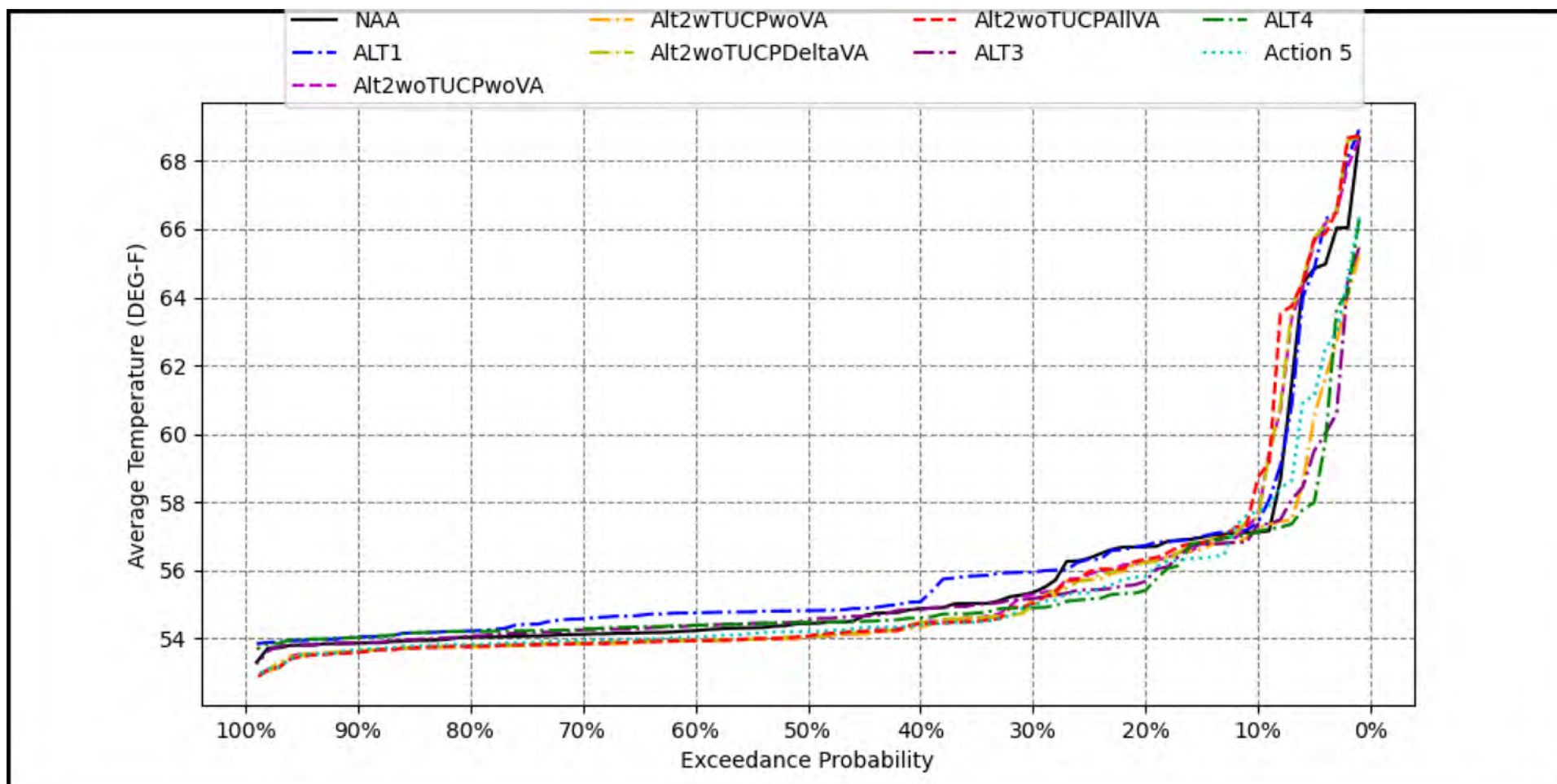
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-10 Sacramento River at Balls Ferry, July Temperature



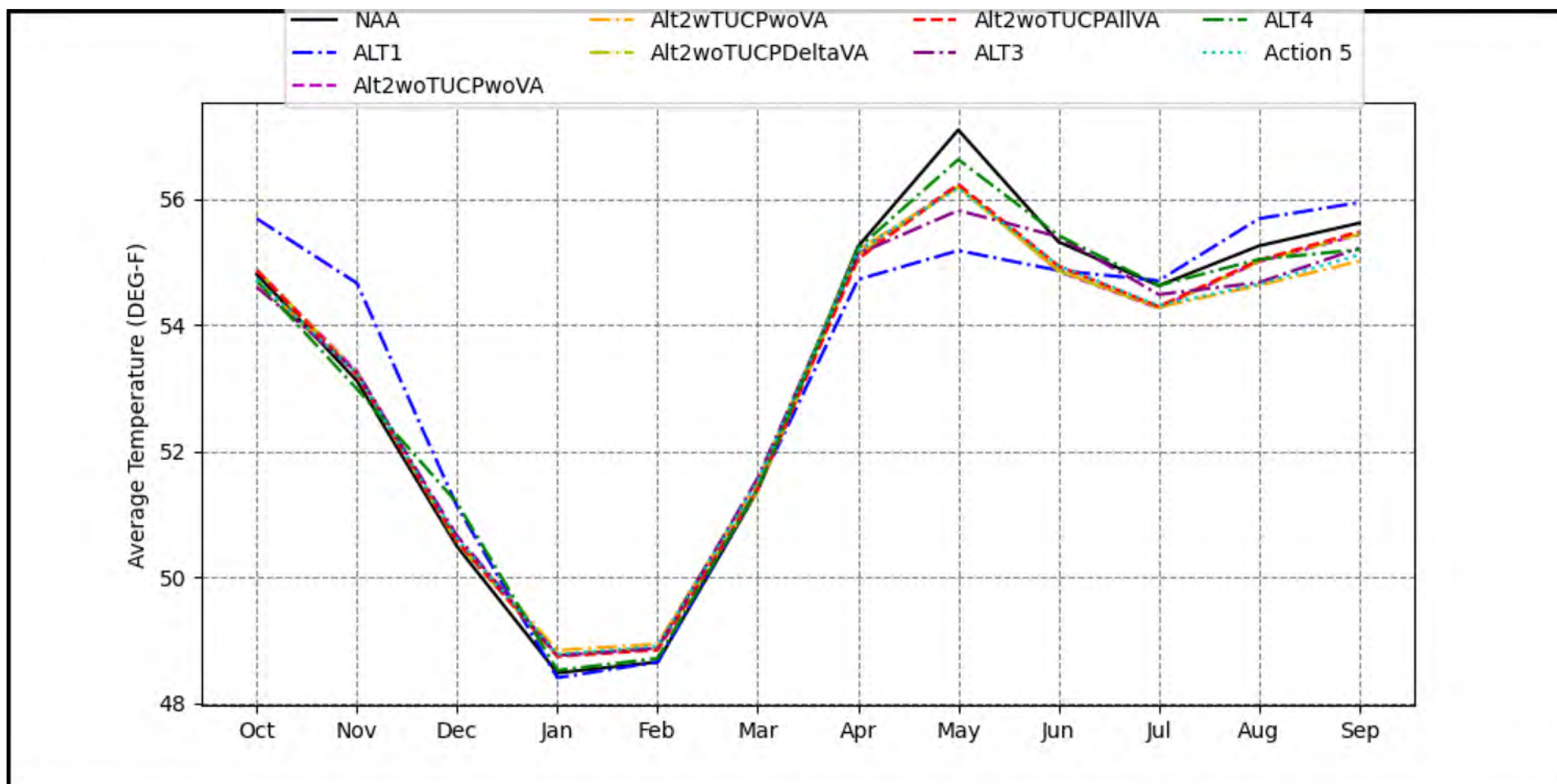
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-11 Sacramento River at Balls Ferry, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-12 Sacramento River at Balls Ferry, September Temperature

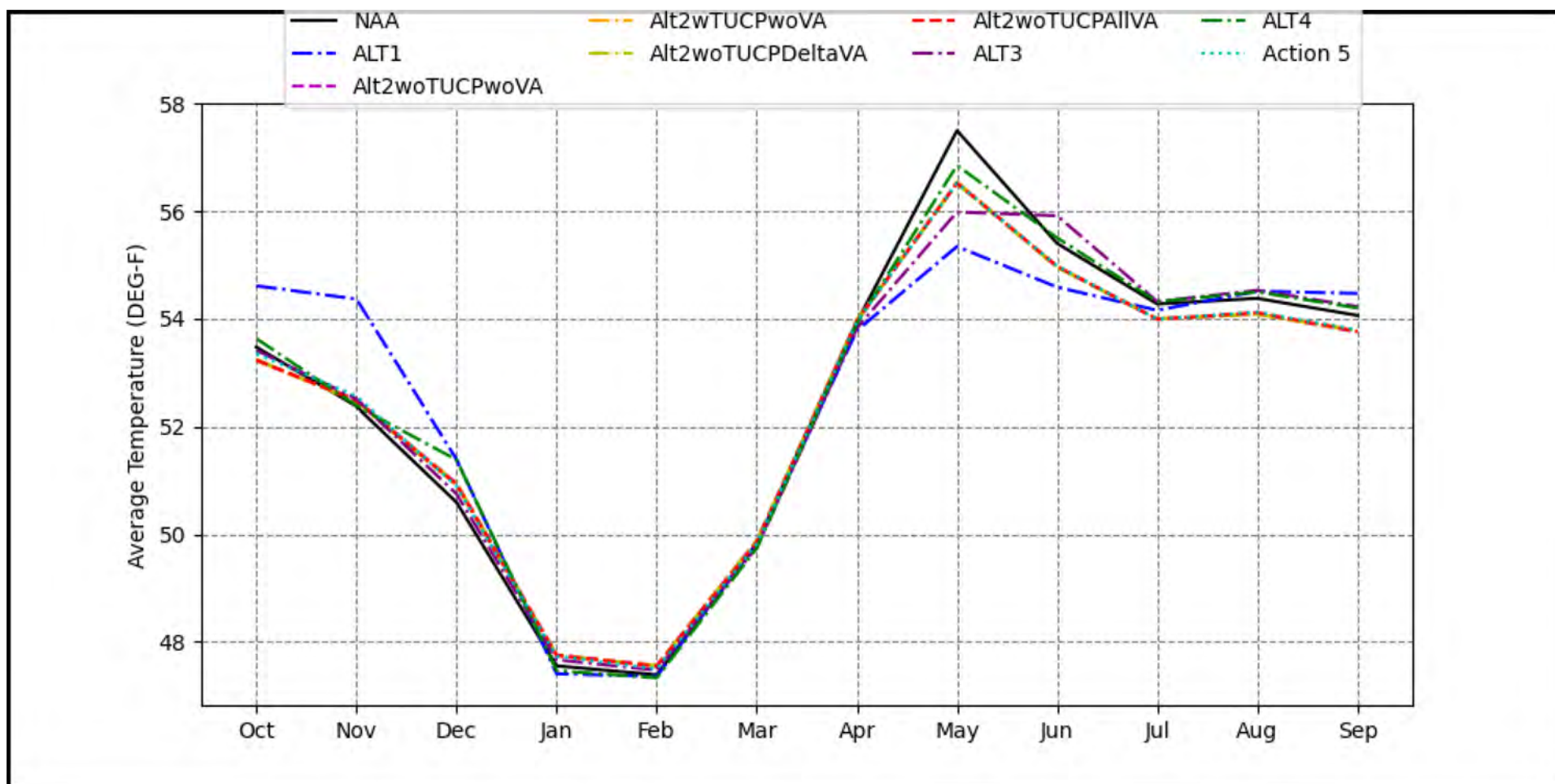


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-13 Sacramento River at Balls Ferry, Long Term Average Temperature (DEG-F)

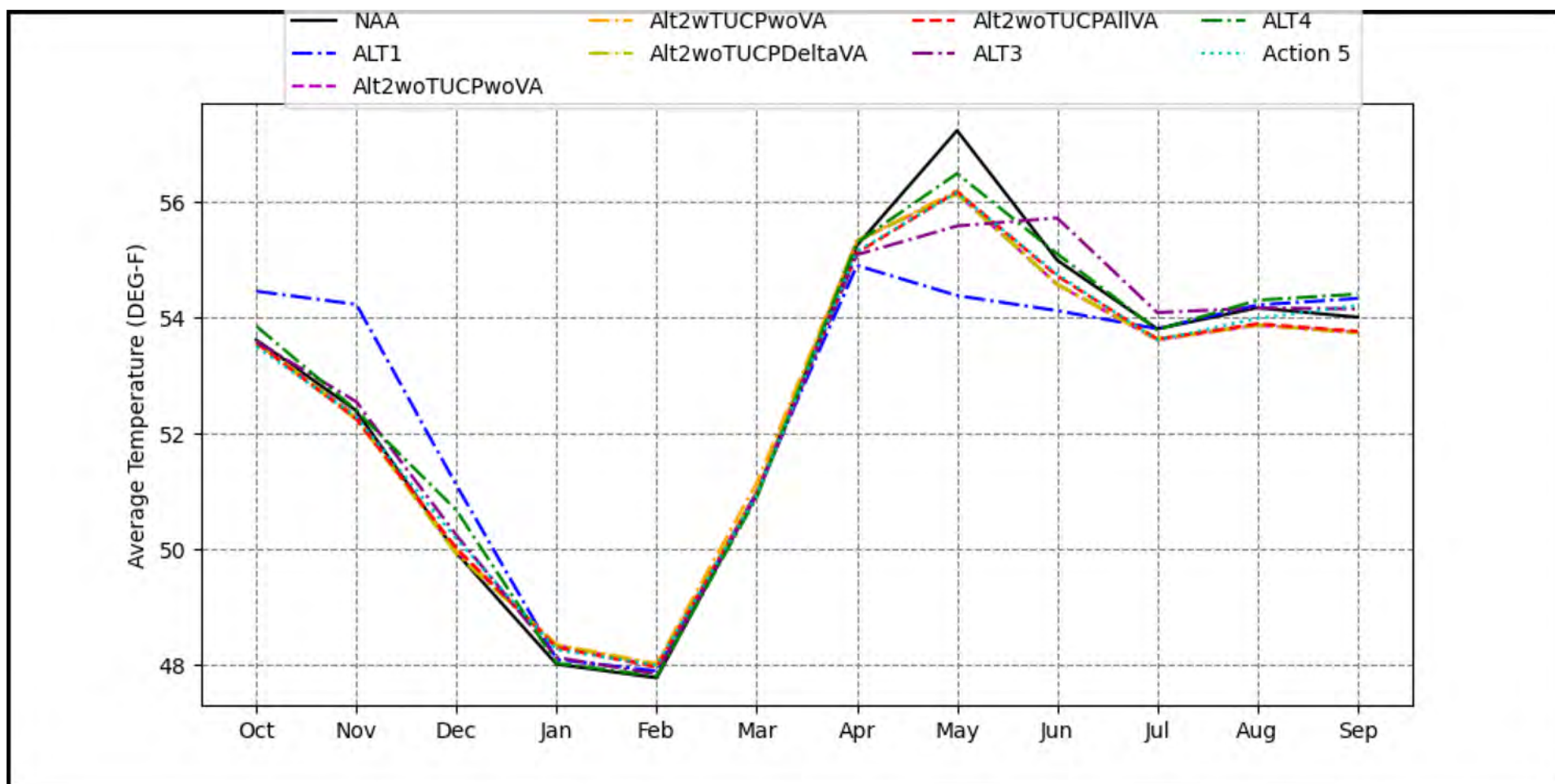


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-14 Sacramento River at Balls Ferry, Wet Year Average Temperature (DEG-F)

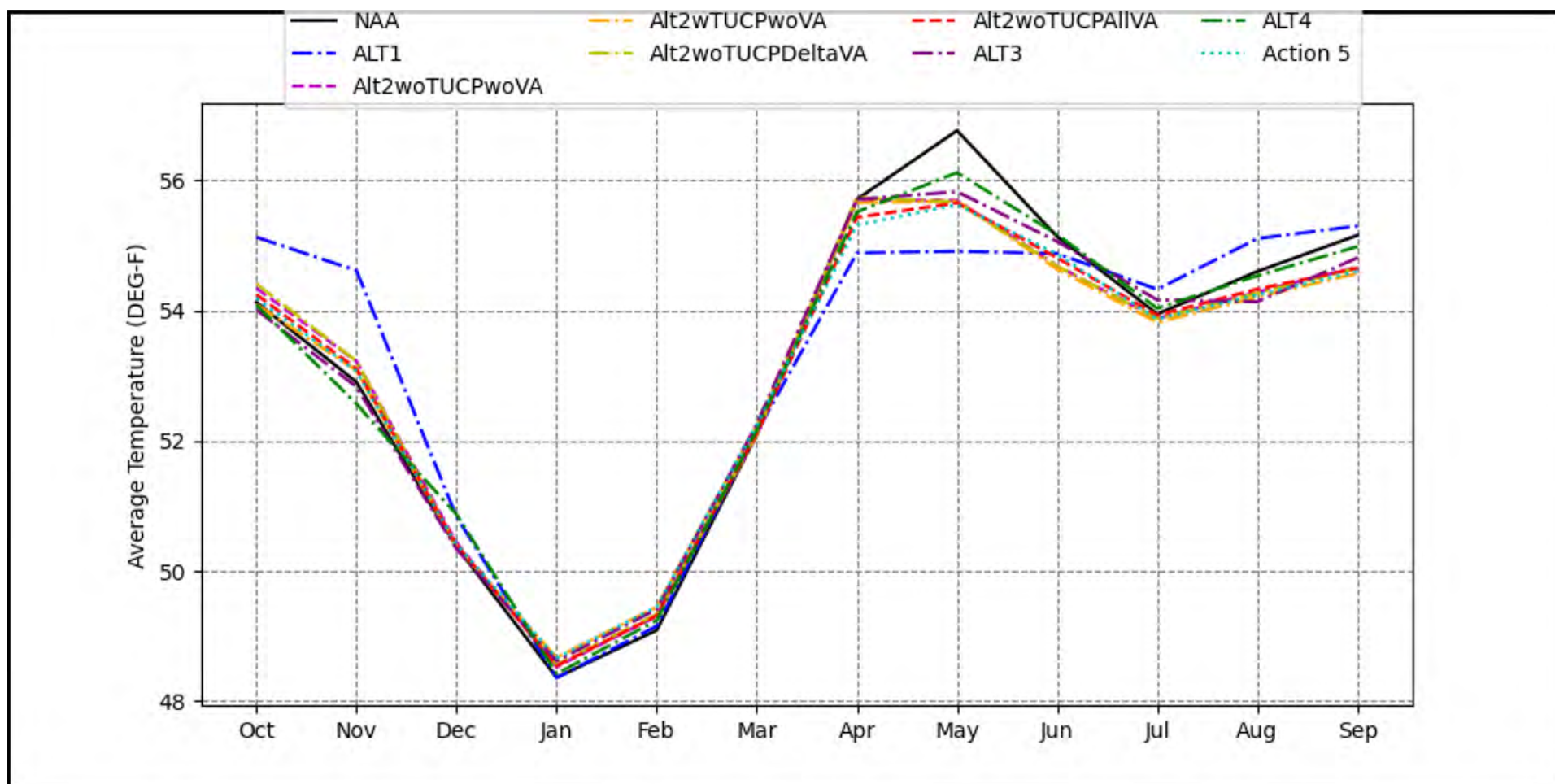


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-15 Sacramento River at Balls Ferry, Above Normal Year Average Temperature (DEG-F)

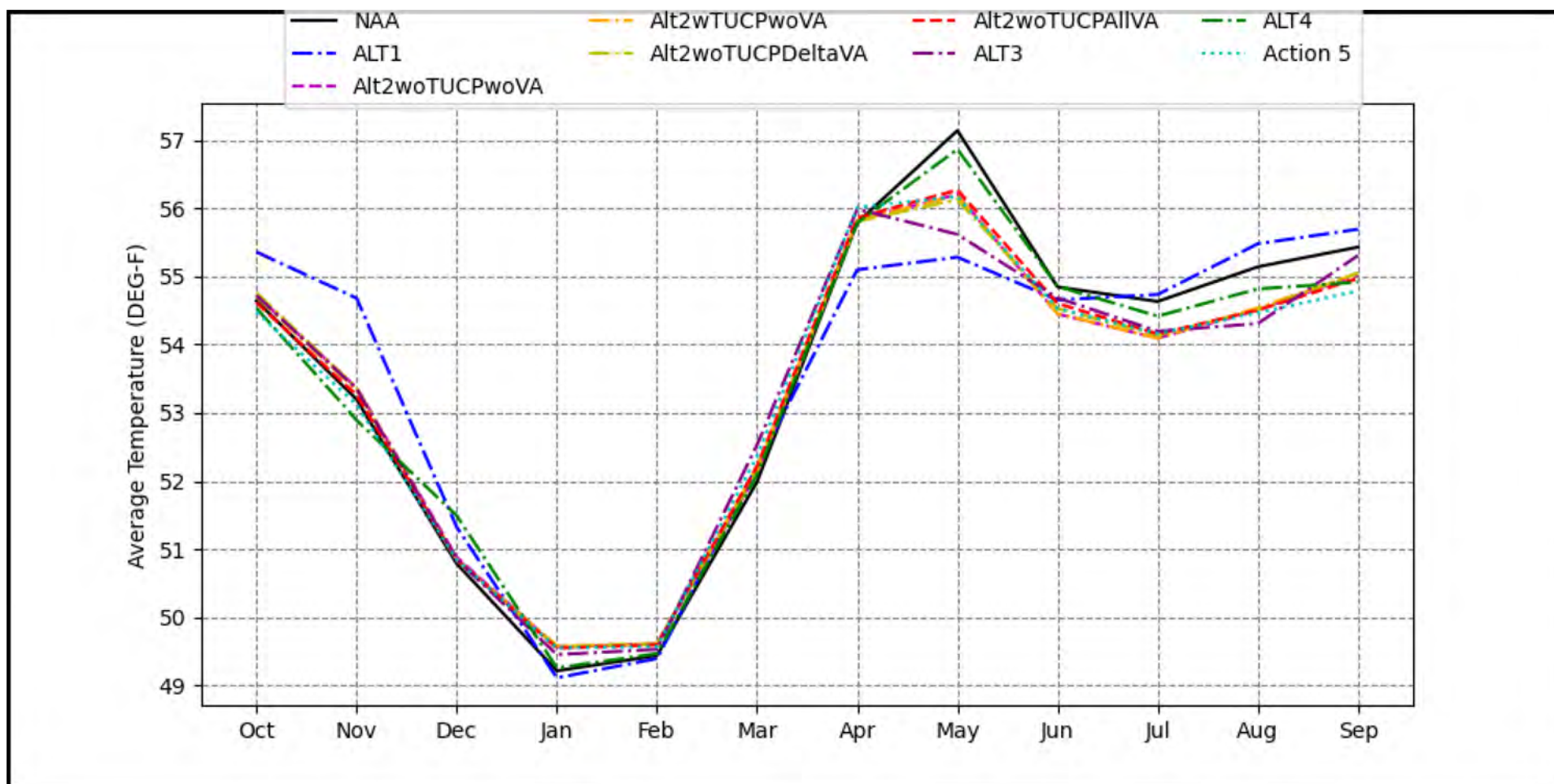


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-16 Sacramento River at Balls Ferry, Below Normal Year Average Temperature (DEG-F)

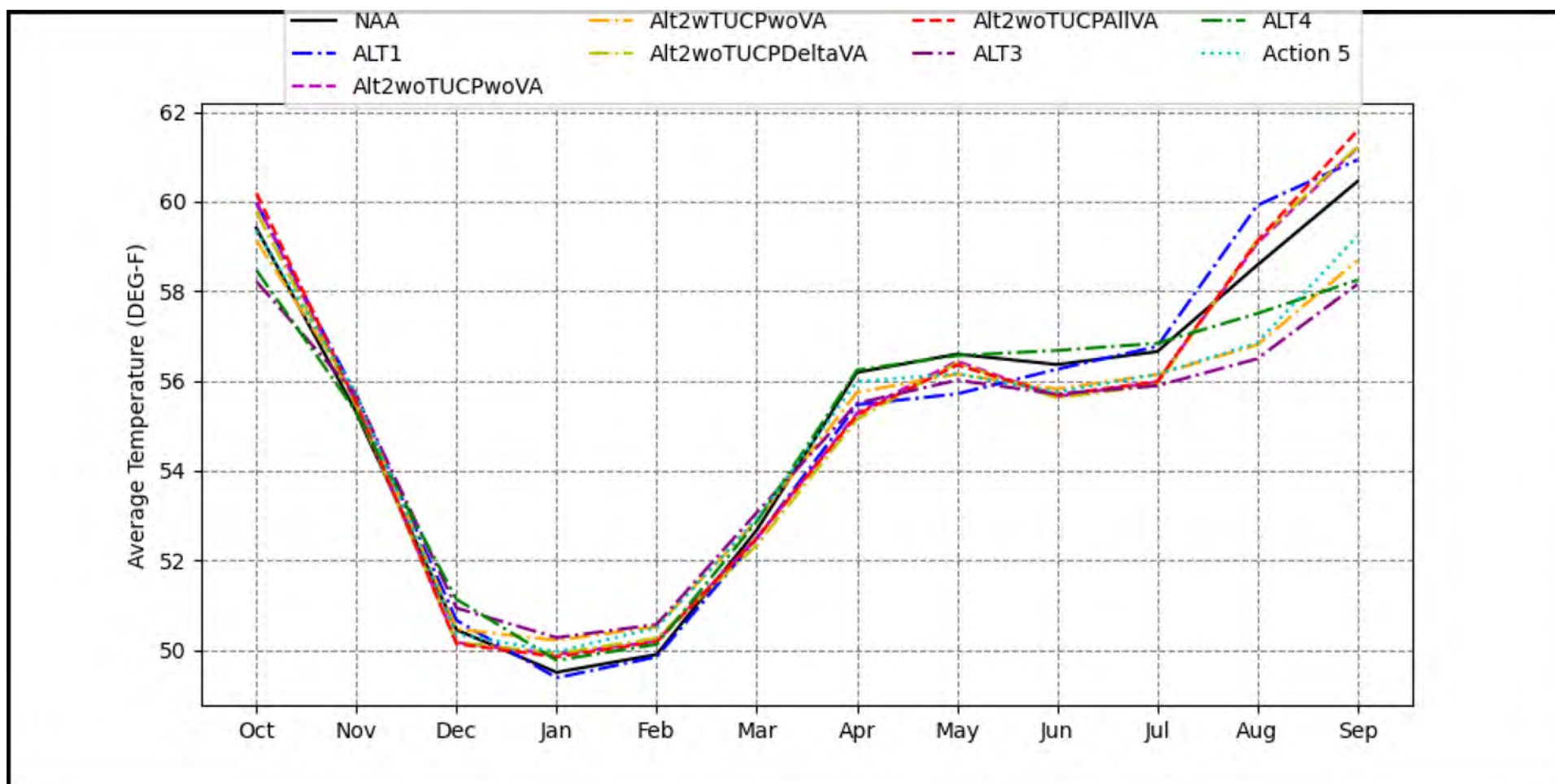


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-17 Sacramento River at Balls Ferry, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-9-18 Sacramento River at Balls Ferry, Critical Year Average Temperature (DEG-F)

F.2.11-10 Sacramento River at Jellys Ferry

Table F.2.11-10-1 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-1 b. Sacramento River at Jellys Ferry, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.1	55.3	52.6	50.1	50.8	54.0	57.5	58.4	58.2	58.0	58.5	58.9
20% Exceedance	56.7	55.1	51.6	49.4	50.0	53.6	57.2	57.5	57.5	57.1	57.5	58.0
30% Exceedance	56.4	54.8	51.3	48.7	49.4	53.2	56.4	57.1	56.8	56.2	57.0	57.2
40% Exceedance	55.9	54.7	50.6	48.1	49.1	52.6	56.1	56.7	56.5	56.0	56.4	56.5
50% Exceedance	55.6	54.4	50.1	47.8	48.9	52.2	55.9	56.4	56.2	55.7	56.1	56.1
60% Exceedance	55.4	54.1	49.6	47.4	48.3	51.8	55.6	56.1	55.8	55.2	55.9	55.9
70% Exceedance	55.2	53.8	49.2	47.1	47.8	51.1	55.2	55.9	55.5	55.0	55.7	55.7
80% Exceedance	55.1	53.6	48.9	46.7	47.4	50.3	54.7	55.7	55.3	54.7	55.3	55.4
90% Exceedance	55.0	53.2	48.1	46.4	46.8	48.8	54.0	55.4	55.1	54.3	55.2	55.3
Full Simulation Period Average^a	56.3	54.3	50.2	48.0	48.7	51.9	55.8	56.7	56.4	55.8	56.9	57.1
Wet Years (28%)	55.2	54.0	50.6	47.1	47.5	50.3	54.7	57.2	56.5	55.4	55.8	55.6
Above Normal Years (14%)	55.2	53.9	50.1	47.6	47.9	51.3	56.0	56.2	55.7	54.9	55.5	55.6
Below Normal Years (18%)	55.9	54.2	49.9	47.9	49.2	52.6	55.9	56.2	56.2	55.4	56.3	56.6
Dry Years (24%)	56.2	54.3	50.5	48.5	49.3	52.7	56.2	56.7	55.9	55.8	56.7	57.0
Critical Years (16%)	60.3	55.2	49.8	49.2	50.0	53.2	56.7	57.0	57.5	57.9	61.1	61.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-1 c. Sacramento River at Jellys Ferry, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.5	1.2	-0.1	0.1	-0.1	-1.0	-1.7	-0.4	-0.1	-0.1	0.2
20% Exceedance	0.1	1.5	0.7	0.1	0.1	0.1	-0.5	-2.0	-0.7	-0.2	-0.3	0.1
30% Exceedance	0.9	1.6	0.8	-0.0	-0.1	0.1	-0.8	-1.9	-0.7	0.1	0.5	0.1
40% Exceedance	0.9	1.6	0.5	-0.0	0.1	0.1	-0.8	-2.1	-0.8	0.2	0.6	0.2
50% Exceedance	1.0	1.6	0.4	0.0	0.0	0.0	-0.3	-2.1	-0.7	0.1	0.4	0.4
60% Exceedance	0.9	1.6	0.2	-0.1	0.1	0.1	-0.2	-2.0	-0.5	-0.1	0.5	0.5
70% Exceedance	0.9	1.4	0.1	0.1	0.1	0.1	-0.2	-1.9	-0.5	0.1	0.4	0.4
80% Exceedance	1.0	1.5	0.3	-0.1	0.1	0.0	0.2	-1.5	-0.5	0.2	0.1	0.3
90% Exceedance	1.1	1.7	0.1	-0.0	-0.1	-0.2	0.3	-1.3	-0.1	0.4	0.2	0.4
Full Simulation Period Average^a	0.8	1.3	0.5	-0.1	-0.0	0.0	-0.4	-1.7	-0.5	0.1	0.5	0.3
Wet Years (28%)	1.0	1.7	0.7	-0.1	-0.0	-0.0	-0.1	-1.8	-0.8	-0.1	0.2	0.5
Above Normal Years (14%)	0.8	1.6	1.0	0.1	0.1	0.0	-0.2	-2.5	-0.9	0.0	0.2	0.5
Below Normal Years (18%)	0.9	1.4	0.3	-0.0	0.1	0.0	-0.7	-1.7	-0.3	0.4	0.6	0.0
Dry Years (24%)	0.6	1.3	0.5	-0.1	-0.0	0.2	-0.6	-1.7	-0.2	0.1	0.3	0.2
Critical Years (16%)	0.5	0.3	0.2	-0.1	-0.1	-0.2	-0.8	-0.9	-0.1	-0.0	1.3	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-2 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-2 b. Sacramento River at Jellys Ferry, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.8	55.4	51.4	50.5	50.9	54.1	58.2	59.4	58.2	57.1	58.1	59.1
20% Exceedance	56.9	54.3	51.0	49.7	50.0	53.5	57.6	58.7	57.7	56.3	56.6	57.6
30% Exceedance	55.7	53.4	50.5	49.0	49.6	53.0	57.1	58.2	56.9	55.9	55.8	56.5
40% Exceedance	55.0	53.0	50.1	48.5	49.2	52.6	56.7	57.9	56.6	55.5	55.6	55.9
50% Exceedance	54.6	52.7	49.8	48.0	49.0	52.2	56.2	57.5	56.3	55.3	55.4	55.4
60% Exceedance	54.4	52.5	49.6	47.6	48.4	51.8	55.6	57.2	55.9	55.0	55.3	55.2
70% Exceedance	54.2	52.3	49.2	47.2	47.9	51.1	55.1	56.9	55.6	54.8	55.1	55.0
80% Exceedance	54.0	52.0	48.7	46.9	47.5	50.2	54.7	56.5	55.3	54.6	55.0	54.8
90% Exceedance	53.7	51.5	48.1	46.5	46.9	49.1	53.8	55.9	55.0	54.1	54.8	54.6
Full Simulation Period Average^a	55.6	53.1	49.8	48.3	48.9	51.9	56.0	57.7	56.4	55.5	56.3	56.6
Wet Years (28%)	53.9	52.4	50.2	47.4	47.7	50.3	54.8	58.2	56.9	55.2	55.4	54.8
Above Normal Years (14%)	54.3	52.2	49.2	47.8	48.0	51.3	56.2	57.7	56.2	54.6	55.0	54.8
Below Normal Years (18%)	55.2	53.1	49.6	48.0	49.3	52.5	56.6	56.9	56.1	55.0	55.5	56.1
Dry Years (24%)	55.6	53.2	50.1	48.9	49.4	52.6	56.7	57.5	55.8	55.2	55.8	56.4
Critical Years (16%)	60.3	55.1	49.3	49.6	50.3	53.2	56.4	57.8	57.1	57.3	60.4	62.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-2 c. Sacramento River at Jellys Ferry, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.0	0.7	0.0	0.3	0.2	-0.1	-0.3	-0.8	-0.4	-0.9	-0.5	0.3
20% Exceedance	0.3	0.7	0.1	0.4	0.1	-0.0	-0.1	-0.8	-0.5	-1.0	-1.2	-0.3
30% Exceedance	0.2	0.2	0.1	0.3	0.1	-0.1	-0.1	-0.8	-0.6	-0.2	-0.7	-0.6
40% Exceedance	-0.1	-0.1	-0.0	0.4	0.2	0.1	-0.2	-0.8	-0.6	-0.3	-0.3	-0.4
50% Exceedance	-0.0	-0.0	0.1	0.2	0.1	0.0	-0.1	-1.0	-0.6	-0.4	-0.3	-0.3
60% Exceedance	-0.0	-0.0	0.2	0.1	0.1	0.1	-0.2	-0.9	-0.4	-0.3	-0.2	-0.2
70% Exceedance	-0.1	-0.1	0.1	0.2	0.2	0.1	-0.3	-0.9	-0.4	-0.2	-0.2	-0.3
80% Exceedance	-0.1	-0.1	0.1	0.1	0.2	0.0	0.2	-0.7	-0.4	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.0	0.1	0.1	0.1	0.1	0.0	-0.8	-0.2	0.1	-0.2	-0.3
Full Simulation Period Average^a	0.1	0.1	0.1	0.2	0.2	-0.0	-0.1	-0.7	-0.4	-0.3	-0.2	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.3	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.2	0.0	0.1	-0.9	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.2	0.3	0.1	0.1	0.2	-0.0	0.0	-0.9	-0.4	-0.0	-0.3	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.3	0.1	0.1	0.0	-0.8	-0.4	-0.5	-0.6	-0.4
Critical Years (16%)	0.5	0.2	-0.2	0.3	0.2	-0.2	-1.0	-0.0	-0.6	-0.6	0.6	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-3 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-3 b. Sacramento River at Jellys Ferry, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.7	55.4	51.2	50.5	51.0	54.1	58.4	59.2	58.0	57.3	57.5	58.4
20% Exceedance	56.7	54.1	51.0	49.7	50.0	53.7	57.8	58.4	57.7	56.3	56.6	57.5
30% Exceedance	55.7	53.4	50.6	49.1	49.7	53.1	57.3	58.2	57.0	55.9	55.8	56.5
40% Exceedance	55.0	53.0	50.1	48.6	49.2	52.7	56.9	57.8	56.6	55.5	55.6	55.8
50% Exceedance	54.6	52.7	49.8	48.0	49.0	52.4	56.2	57.5	56.3	55.2	55.4	55.4
60% Exceedance	54.3	52.5	49.6	47.6	48.5	51.9	55.7	57.2	56.0	55.0	55.3	55.2
70% Exceedance	54.2	52.3	49.3	47.3	48.0	51.1	55.3	56.9	55.7	54.8	55.1	55.0
80% Exceedance	54.0	51.9	48.8	47.0	47.6	50.2	54.6	56.5	55.3	54.6	55.0	54.8
90% Exceedance	53.7	51.5	48.0	46.8	46.9	49.2	53.8	55.9	55.1	54.1	54.8	54.6
Full Simulation Period Average^a	55.4	53.1	49.8	48.3	48.9	52.0	56.1	57.7	56.5	55.5	55.9	56.2
Wet Years (28%)	53.9	52.4	50.2	47.4	47.7	50.3	54.8	58.2	56.9	55.3	55.3	54.8
Above Normal Years (14%)	54.3	52.2	49.2	47.8	48.0	51.5	56.2	57.8	56.2	54.6	55.0	54.8
Below Normal Years (18%)	55.0	52.9	49.5	48.1	49.4	52.7	56.6	56.9	56.1	55.0	55.4	56.0
Dry Years (24%)	55.6	53.2	50.1	49.0	49.4	52.7	56.7	57.5	55.8	55.2	55.8	56.4
Critical Years (16%)	59.6	55.3	49.6	49.8	50.5	53.6	57.0	57.6	57.3	57.6	58.3	59.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-3 c. Sacramento River at Jellys Ferry, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	0.6	-0.2	0.3	0.3	-0.0	-0.1	-0.9	-0.6	-0.7	-1.0	-0.3
20% Exceedance	0.1	0.6	0.1	0.5	0.1	0.2	0.1	-1.0	-0.5	-1.0	-1.2	-0.4
30% Exceedance	0.2	0.2	0.1	0.5	0.1	0.1	0.0	-0.9	-0.5	-0.3	-0.7	-0.6
40% Exceedance	-0.1	-0.1	-0.0	0.5	0.2	0.2	-0.0	-0.9	-0.6	-0.3	-0.2	-0.5
50% Exceedance	-0.0	-0.0	0.2	0.2	0.1	0.2	-0.0	-1.1	-0.6	-0.4	-0.2	-0.3
60% Exceedance	-0.1	-0.0	0.2	0.1	0.2	0.2	-0.1	-0.9	-0.3	-0.3	-0.2	-0.2
70% Exceedance	-0.1	-0.1	0.1	0.2	0.3	0.1	-0.2	-0.9	-0.3	-0.2	-0.2	-0.3
80% Exceedance	-0.1	-0.1	0.2	0.2	0.3	0.0	0.2	-0.7	-0.4	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.0	0.1	0.3	0.1	0.3	0.0	-0.7	-0.1	0.1	-0.2	-0.3
Full Simulation Period Average^a	-0.1	0.1	0.1	0.3	0.2	0.1	-0.1	-0.8	-0.4	-0.3	-0.6	-0.6
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.3	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.2	0.1	0.1	-0.9	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	-0.0	0.2	0.0	0.2	0.3	0.1	-0.0	-1.0	-0.5	-0.1	-0.3	-0.6
Dry Years (24%)	0.0	0.1	0.1	0.3	0.1	0.2	0.0	-0.8	-0.3	-0.5	-0.6	-0.4
Critical Years (16%)	-0.2	0.4	-0.0	0.6	0.5	0.2	-0.4	-0.3	-0.4	-0.3	-1.5	-1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-4 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-4 b. Sacramento River at Jellys Ferry, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.2	55.4	51.3	50.4	50.9	54.1	57.9	59.3	58.2	57.1	58.1	59.0
20% Exceedance	57.0	54.3	51.0	49.7	50.0	53.4	57.6	58.7	57.7	56.4	56.5	57.5
30% Exceedance	55.8	53.4	50.5	49.0	49.6	53.0	57.1	58.2	57.0	56.0	55.8	56.4
40% Exceedance	55.1	53.1	50.1	48.4	49.2	52.5	56.7	57.8	56.6	55.5	55.6	55.9
50% Exceedance	54.6	52.7	49.7	48.0	49.0	52.2	56.0	57.5	56.3	55.3	55.3	55.4
60% Exceedance	54.4	52.5	49.6	47.6	48.5	51.7	55.6	57.1	55.9	55.0	55.3	55.2
70% Exceedance	54.2	52.3	49.2	47.3	47.9	51.1	55.1	56.9	55.6	54.8	55.1	55.0
80% Exceedance	54.0	52.0	48.7	46.9	47.5	50.3	54.7	56.4	55.3	54.6	55.0	54.9
90% Exceedance	53.7	51.5	48.0	46.5	46.9	49.1	53.6	55.9	55.0	54.1	54.8	54.6
Full Simulation Period Average^a	55.6	53.1	49.8	48.3	48.9	51.9	56.0	57.7	56.4	55.4	56.3	56.6
Wet Years (28%)	53.9	52.4	50.2	47.4	47.7	50.3	54.8	58.2	56.9	55.3	55.3	54.9
Above Normal Years (14%)	54.4	52.2	49.1	47.8	48.0	51.3	56.2	57.7	56.2	54.7	55.0	54.8
Below Normal Years (18%)	55.2	53.1	49.6	48.0	49.4	52.6	56.6	56.9	56.2	55.0	55.5	56.1
Dry Years (24%)	55.6	53.2	50.1	48.9	49.4	52.6	56.8	57.5	55.8	55.2	55.8	56.5
Critical Years (16%)	60.1	55.1	49.3	49.6	50.3	53.0	56.3	57.8	57.0	57.2	60.4	62.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-4 c. Sacramento River at Jellys Ferry, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.6	-0.1	0.2	0.2	-0.1	-0.6	-0.9	-0.4	-0.9	-0.5	0.3
20% Exceedance	0.4	0.7	0.1	0.4	0.1	-0.1	-0.2	-0.7	-0.5	-0.9	-1.3	-0.4
30% Exceedance	0.3	0.1	0.0	0.3	0.1	-0.1	-0.1	-0.9	-0.5	-0.2	-0.7	-0.7
40% Exceedance	-0.0	-0.0	-0.1	0.3	0.2	0.0	-0.2	-1.0	-0.6	-0.3	-0.2	-0.4
50% Exceedance	0.0	-0.1	0.1	0.2	0.1	0.0	-0.2	-1.0	-0.6	-0.4	-0.3	-0.3
60% Exceedance	0.0	-0.1	0.2	0.1	0.2	-0.0	-0.2	-1.0	-0.4	-0.3	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.1	0.2	0.2	0.1	-0.3	-0.9	-0.4	-0.2	-0.2	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.1	0.2	0.0	0.2	-0.8	-0.4	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.0	0.1	0.1	0.1	0.1	-0.2	-0.7	-0.2	0.1	-0.2	-0.2
Full Simulation Period Average^a	0.1	0.1	0.1	0.2	0.2	-0.0	-0.2	-0.8	-0.4	-0.3	-0.2	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.3	-0.3
Above Normal Years (14%)	-0.0	-0.1	-0.0	0.3	0.2	0.0	0.1	-0.9	-0.4	-0.2	-0.3	-0.3
Below Normal Years (18%)	0.2	0.3	0.0	0.2	0.2	-0.0	0.0	-1.0	-0.4	-0.0	-0.3	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.3	0.1	0.1	0.0	-0.9	-0.3	-0.4	-0.6	-0.4
Critical Years (16%)	0.3	0.2	-0.2	0.3	0.3	-0.4	-1.1	-0.1	-0.6	-0.7	0.6	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-5 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-5 b. Sacramento River at Jellys Ferry, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.9	55.3	51.4	50.4	51.0	54.1	58.0	59.4	58.3	57.1	57.9	59.5
20% Exceedance	56.7	54.3	51.0	49.7	50.1	53.4	57.4	58.7	57.7	56.3	56.6	57.6
30% Exceedance	55.7	53.4	50.5	49.0	49.6	53.0	57.1	58.1	57.0	56.0	55.9	56.4
40% Exceedance	54.9	53.0	50.1	48.6	49.2	52.6	56.5	57.9	56.8	55.6	55.6	55.8
50% Exceedance	54.6	52.8	49.8	48.0	48.9	52.2	56.0	57.6	56.5	55.3	55.4	55.4
60% Exceedance	54.3	52.4	49.6	47.6	48.4	51.8	55.6	57.2	56.1	54.9	55.3	55.2
70% Exceedance	54.2	52.3	49.2	47.2	47.9	51.1	55.1	56.8	55.8	54.8	55.1	55.0
80% Exceedance	54.0	52.0	48.7	46.9	47.5	50.2	54.5	56.4	55.4	54.6	55.0	54.8
90% Exceedance	53.7	51.5	48.0	46.5	46.9	49.1	53.8	56.0	55.1	54.1	54.8	54.6
Full Simulation Period Average^a	55.6	53.1	49.8	48.3	48.8	51.9	56.0	57.7	56.6	55.5	56.3	56.7
Wet Years (28%)	53.9	52.4	50.2	47.4	47.7	50.3	54.8	58.2	56.9	55.2	55.4	54.8
Above Normal Years (14%)	54.3	52.2	49.2	47.8	48.0	51.3	56.0	57.7	56.5	54.7	55.0	54.8
Below Normal Years (18%)	55.1	53.0	49.6	48.0	49.3	52.6	56.3	56.9	56.3	55.1	55.5	56.1
Dry Years (24%)	55.5	53.1	50.1	48.9	49.4	52.7	56.8	57.6	56.0	55.3	55.8	56.4
Critical Years (16%)	60.5	55.1	49.3	49.6	50.2	53.2	56.4	57.7	57.1	57.3	60.4	62.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-5 c. Sacramento River at Jellys Ferry, Alt2woTUCPALIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1.1	0.6	0.0	0.3	0.2	-0.1	-0.5	-0.7	-0.3	-0.9	-0.6	0.8
20% Exceedance	0.1	0.7	0.1	0.4	0.1	-0.0	-0.3	-0.7	-0.5	-0.9	-1.2	-0.3
30% Exceedance	0.2	0.2	0.0	0.3	0.0	-0.0	-0.2	-1.0	-0.5	-0.1	-0.6	-0.7
40% Exceedance	-0.2	-0.1	-0.0	0.4	0.2	0.1	-0.4	-0.8	-0.5	-0.2	-0.2	-0.5
50% Exceedance	-0.0	-0.0	0.1	0.2	0.1	0.0	-0.2	-1.0	-0.4	-0.3	-0.2	-0.3
60% Exceedance	-0.1	-0.1	0.2	0.1	0.1	0.1	-0.2	-0.9	-0.2	-0.3	-0.2	-0.2
70% Exceedance	-0.0	-0.1	0.0	0.1	0.2	0.0	-0.3	-1.0	-0.2	-0.2	-0.2	-0.3
80% Exceedance	-0.1	-0.1	0.1	0.1	0.2	0.0	-0.0	-0.8	-0.3	0.0	-0.2	-0.3
90% Exceedance	-0.1	-0.0	0.0	0.1	0.1	0.1	0.0	-0.7	-0.1	0.2	-0.2	-0.3
Full Simulation Period Average^a	0.1	0.1	0.1	0.2	0.2	0.0	-0.2	-0.7	-0.3	-0.3	-0.2	-0.1
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.2	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.1	0.2	0.1	0.0	-0.2	-0.9	-0.1	-0.2	-0.2	-0.3
Below Normal Years (18%)	0.1	0.2	0.0	0.1	0.2	0.0	-0.3	-1.0	-0.2	0.0	-0.2	-0.5
Dry Years (24%)	-0.0	0.1	0.1	0.3	0.1	0.2	0.1	-0.7	-0.2	-0.4	-0.6	-0.4
Critical Years (16%)	0.7	0.2	-0.3	0.3	0.2	-0.2	-1.1	-0.2	-0.5	-0.6	0.6	1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-6 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-6 b. Sacramento River at Jellys Ferry, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.9	55.2	51.3	50.4	50.9	54.5	57.9	58.9	58.6	57.5	57.5	58.7
20% Exceedance	56.3	53.7	50.7	49.7	50.0	53.9	57.6	58.1	58.0	56.5	56.5	57.2
30% Exceedance	55.7	53.3	50.4	49.0	49.7	53.3	57.3	57.7	57.6	56.1	55.8	56.6
40% Exceedance	54.9	53.0	50.1	48.6	49.2	52.8	57.0	57.3	57.2	55.8	55.7	56.3
50% Exceedance	54.6	52.8	49.9	47.9	48.9	52.3	56.4	57.2	57.0	55.4	55.5	56.0
60% Exceedance	54.5	52.6	49.7	47.5	48.5	51.9	56.1	57.0	56.6	55.2	55.3	55.7
70% Exceedance	54.4	52.4	49.4	47.2	48.1	51.0	55.5	56.4	56.1	55.0	55.1	55.4
80% Exceedance	54.2	52.2	49.0	46.9	47.4	50.3	54.6	56.2	55.7	54.8	55.0	55.2
90% Exceedance	53.9	51.7	48.3	46.7	46.8	49.0	54.0	55.9	55.4	54.5	54.8	54.8
Full Simulation Period Average^a	55.4	53.1	49.9	48.3	48.9	52.0	56.2	57.2	57.1	55.7	55.9	56.5
Wet Years (28%)	54.1	52.4	50.0	47.3	47.6	50.2	54.7	57.4	58.0	55.6	55.8	55.4
Above Normal Years (14%)	54.4	52.4	49.4	47.7	47.9	51.3	56.1	57.0	57.6	55.2	55.3	55.3
Below Normal Years (18%)	54.9	52.7	49.5	48.0	49.4	52.7	56.7	57.1	56.6	55.4	55.3	56.3
Dry Years (24%)	55.6	53.2	50.1	48.8	49.4	53.0	57.1	57.0	56.0	55.3	55.4	56.7
Critical Years (16%)	58.7	55.3	49.9	49.9	50.6	53.7	56.8	57.6	57.1	57.3	57.8	59.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-6 c. Sacramento River at Jellys Ferry, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.4	-0.1	0.3	0.2	0.3	-0.6	-1.3	0.1	-0.5	-1.0	-0.0
20% Exceedance	-0.3	0.1	-0.2	0.4	0.1	0.4	-0.1	-1.3	-0.2	-0.8	-1.3	-0.7
30% Exceedance	0.1	0.0	-0.1	0.4	0.1	0.2	0.1	-1.3	0.1	-0.0	-0.7	-0.5
40% Exceedance	-0.1	-0.1	-0.1	0.4	0.2	0.3	0.1	-1.4	-0.0	-0.1	-0.2	0.0
50% Exceedance	0.0	0.0	0.2	0.1	0.0	0.1	0.2	-1.3	0.1	-0.2	-0.1	0.3
60% Exceedance	0.1	0.0	0.3	0.1	0.2	0.2	0.3	-1.1	0.3	-0.0	-0.1	0.3
70% Exceedance	0.1	0.1	0.2	0.1	0.3	-0.0	0.0	-1.4	0.0	0.1	-0.2	0.2
80% Exceedance	0.1	0.2	0.4	0.1	0.1	0.1	0.2	-1.0	-0.0	0.2	-0.1	0.0
90% Exceedance	0.1	0.1	0.3	0.3	-0.0	0.0	0.2	-0.7	0.2	0.6	-0.2	-0.0
Full Simulation Period Average^a	-0.2	0.1	0.2	0.2	0.2	0.2	-0.0	-1.2	0.2	-0.1	-0.6	-0.3
Wet Years (28%)	-0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	-1.6	0.7	0.1	0.2	0.2
Above Normal Years (14%)	-0.0	0.1	0.3	0.1	0.1	-0.0	-0.1	-1.7	0.9	0.4	0.0	0.2
Below Normal Years (18%)	-0.1	-0.0	0.0	0.2	0.2	0.1	0.1	-0.8	0.0	0.3	-0.5	-0.3
Dry Years (24%)	0.1	0.2	0.1	0.2	0.1	0.5	0.3	-1.3	-0.1	-0.4	-1.0	-0.1
Critical Years (16%)	-1.1	0.4	0.4	0.6	0.5	0.3	-0.6	-0.3	-0.5	-0.6	-2.0	-2.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-7 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-7 b. Sacramento River at Jellys Ferry, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.0	54.9	52.6	50.1	50.9	54.2	58.6	59.8	58.8	58.2	58.3	58.5
20% Exceedance	56.4	53.5	51.6	49.4	49.9	53.6	57.7	59.2	58.3	57.0	56.9	57.0
30% Exceedance	55.4	53.1	51.3	48.8	49.5	53.1	57.2	58.8	57.6	56.3	56.2	56.4
40% Exceedance	54.9	52.9	50.6	48.4	49.1	52.6	56.8	58.4	57.2	55.8	55.9	55.9
50% Exceedance	54.7	52.7	50.1	47.8	48.9	52.3	56.2	58.0	56.9	55.6	55.8	55.8
60% Exceedance	54.6	52.5	49.7	47.4	48.3	51.6	55.8	57.5	56.5	55.2	55.6	55.7
70% Exceedance	54.4	52.2	49.4	47.1	47.7	51.0	55.4	57.1	56.0	55.0	55.5	55.5
80% Exceedance	54.2	51.8	48.9	46.8	47.3	50.2	54.7	56.8	55.7	54.6	55.3	55.4
90% Exceedance	54.0	51.5	48.2	46.6	46.7	48.8	53.8	56.2	55.3	54.0	55.1	55.1
Full Simulation Period Average^a	55.5	52.9	50.3	48.1	48.7	51.9	56.1	58.0	57.0	55.8	56.3	56.5
Wet Years (28%)	54.3	52.3	50.6	47.1	47.5	50.2	54.7	58.5	57.4	55.5	55.8	55.3
Above Normal Years (14%)	54.7	52.3	49.8	47.5	47.8	51.2	56.2	58.0	56.7	54.8	55.5	55.7
Below Normal Years (18%)	55.0	52.5	49.9	47.9	49.3	52.6	56.4	57.3	56.6	55.1	55.7	56.4
Dry Years (24%)	55.4	52.8	50.7	48.7	49.3	52.6	56.7	58.1	56.1	55.5	56.1	56.3
Critical Years (16%)	58.9	54.9	50.1	49.5	50.2	53.6	57.4	57.9	58.0	58.2	58.9	59.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-7 c. Sacramento River at Jellys Ferry, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.9	0.1	1.3	-0.1	0.2	0.0	0.1	-0.3	0.3	0.1	-0.2	-0.2
20% Exceedance	-0.2	-0.1	0.7	0.2	0.0	0.2	-0.0	-0.2	0.1	-0.3	-1.0	-0.9
30% Exceedance	-0.1	-0.1	0.8	0.1	-0.0	-0.0	-0.0	-0.2	0.1	0.1	-0.3	-0.7
40% Exceedance	-0.2	-0.2	0.5	0.2	0.0	0.1	-0.1	-0.3	-0.1	0.0	0.1	-0.4
50% Exceedance	0.1	-0.1	0.5	0.0	0.0	0.1	-0.0	-0.5	-0.0	-0.0	0.2	0.1
60% Exceedance	0.1	-0.0	0.3	-0.1	0.0	-0.1	-0.0	-0.6	0.2	-0.1	0.2	0.3
70% Exceedance	0.1	-0.2	0.3	0.1	0.0	-0.0	-0.0	-0.7	0.0	0.0	0.1	0.2
80% Exceedance	0.1	-0.2	0.3	-0.0	-0.0	-0.0	0.2	-0.4	-0.1	0.0	0.2	0.2
90% Exceedance	0.2	-0.0	0.2	0.2	-0.1	-0.2	-0.0	-0.5	0.1	0.1	0.1	0.3
Full Simulation Period Average^a	-0.1	-0.1	0.6	0.0	0.0	0.0	-0.0	-0.4	0.1	0.0	-0.2	-0.3
Wet Years (28%)	0.2	0.0	0.7	-0.1	-0.0	-0.1	-0.0	-0.6	0.1	0.0	0.2	0.2
Above Normal Years (14%)	0.3	0.0	0.6	0.0	0.0	-0.1	0.0	-0.6	0.1	-0.0	0.2	0.6
Below Normal Years (18%)	-0.0	-0.3	0.4	0.0	0.1	0.0	-0.2	-0.6	0.0	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.2	0.6	0.0	0.0	0.1	-0.0	-0.2	0.0	-0.2	-0.3	-0.5
Critical Years (16%)	-0.8	0.0	0.5	0.2	0.2	0.2	0.0	0.0	0.4	0.3	-0.9	-2.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-8 a. Sacramento River at Jellys Ferry, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.8	54.8	51.4	50.2	50.7	54.2	58.5	60.2	58.6	58.0	58.5	58.7
20% Exceedance	56.6	53.6	50.9	49.3	49.9	53.5	57.7	59.4	58.2	57.3	57.8	57.9
30% Exceedance	55.5	53.2	50.5	48.7	49.5	53.1	57.2	59.1	57.5	56.1	56.5	57.1
40% Exceedance	55.1	53.1	50.1	48.1	49.0	52.5	56.9	58.8	57.2	55.8	55.9	56.3
50% Exceedance	54.6	52.8	49.7	47.8	48.9	52.2	56.2	58.5	56.9	55.6	55.6	55.8
60% Exceedance	54.4	52.5	49.4	47.5	48.3	51.7	55.8	58.1	56.3	55.3	55.5	55.4
70% Exceedance	54.3	52.4	49.1	47.0	47.7	51.0	55.4	57.8	56.0	55.0	55.3	55.3
80% Exceedance	54.1	52.0	48.6	46.8	47.3	50.2	54.5	57.2	55.7	54.6	55.2	55.1
90% Exceedance	53.8	51.5	48.0	46.4	46.8	49.0	53.8	56.6	55.2	54.0	55.0	54.9
Full Simulation Period Average^a	55.5	53.0	49.7	48.0	48.7	51.9	56.2	58.4	56.9	55.8	56.5	56.8
Wet Years (28%)	54.1	52.3	49.9	47.2	47.5	50.3	54.8	59.0	57.3	55.5	55.6	55.1
Above Normal Years (14%)	54.4	52.3	49.1	47.5	47.8	51.3	56.1	58.7	56.6	54.8	55.3	55.1
Below Normal Years (18%)	55.0	52.8	49.5	47.9	49.2	52.6	56.6	57.9	56.6	55.0	55.8	56.6
Dry Years (24%)	55.5	53.0	50.0	48.6	49.3	52.5	56.7	58.3	56.1	55.7	56.4	56.8
Critical Years (16%)	59.8	54.9	49.6	49.3	50.0	53.4	57.4	57.9	57.6	57.9	59.8	61.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-8 b. Sacramento River at Jellys Ferry, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.7	55.3	51.4	50.3	51.0	54.3	58.2	59.7	58.0	57.2	57.4	59.0
20% Exceedance	56.6	53.9	50.8	49.6	50.1	53.7	57.8	58.3	57.7	56.3	56.4	57.4
30% Exceedance	55.6	53.4	50.5	49.0	49.7	53.3	57.2	58.0	57.1	55.9	55.9	56.4
40% Exceedance	54.8	52.9	50.3	48.6	49.2	52.8	56.7	57.8	56.7	55.5	55.5	55.8
50% Exceedance	54.6	52.7	49.9	48.0	49.0	52.3	56.1	57.6	56.5	55.2	55.4	55.6
60% Exceedance	54.4	52.6	49.6	47.6	48.5	51.8	55.7	57.2	56.1	55.0	55.3	55.4
70% Exceedance	54.2	52.3	49.3	47.3	48.0	51.1	55.2	56.8	55.8	54.8	55.2	55.2
80% Exceedance	54.0	52.1	48.9	47.0	47.5	50.2	54.5	56.3	55.5	54.6	55.1	55.0
90% Exceedance	53.8	51.7	48.0	46.8	46.8	49.1	54.0	55.9	55.2	54.1	54.9	54.7
Full Simulation Period Average^a	55.5	53.1	49.8	48.3	48.9	52.0	56.1	57.6	56.6	55.5	55.9	56.4
Wet Years (28%)	54.1	52.5	50.2	47.4	47.6	50.3	54.8	58.2	56.9	55.3	55.4	54.9
Above Normal Years (14%)	54.3	52.2	49.4	47.8	48.0	51.3	56.0	57.7	56.5	54.7	55.2	55.6
Below Normal Years (18%)	55.0	52.9	49.6	48.1	49.4	52.7	56.2	56.9	56.4	55.0	55.5	56.0
Dry Years (24%)	55.4	53.0	50.1	48.9	49.4	52.8	56.9	57.5	55.9	55.3	55.8	56.2
Critical Years (16%)	59.7	55.3	49.5	49.6	50.5	53.6	57.1	57.5	57.2	57.6	58.3	60.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-10-8 c. Sacramento River at Jellys Ferry, Action 5 Minus NAA, Monthly Temperature (DEG-F)

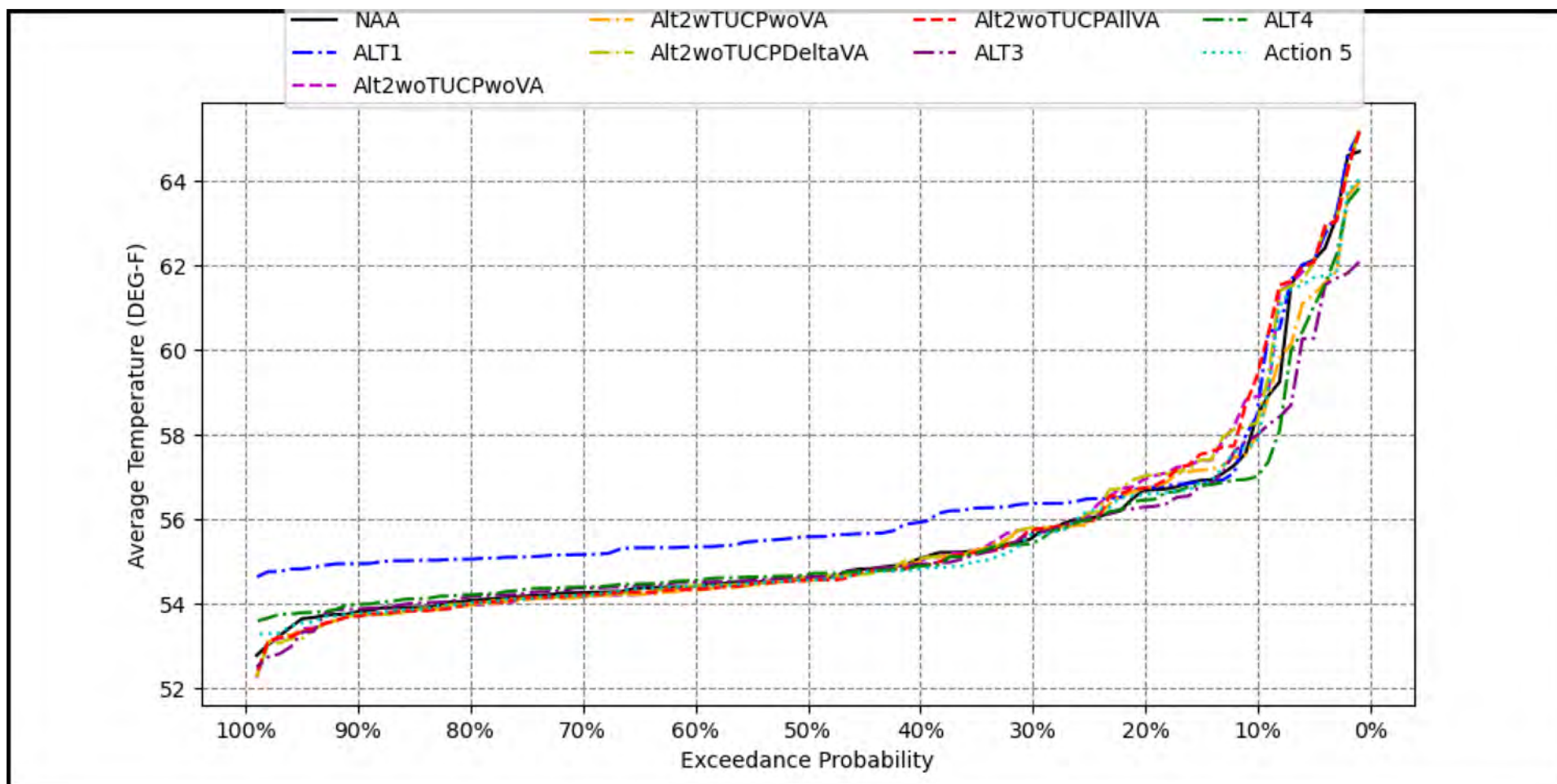
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.5	0.1	0.1	0.3	0.1	-0.3	-0.4	-0.6	-0.8	-1.1	0.3
20% Exceedance	-0.0	0.3	-0.1	0.3	0.2	0.3	0.1	-1.1	-0.5	-1.0	-1.4	-0.5
30% Exceedance	0.1	0.1	-0.0	0.3	0.2	0.2	-0.0	-1.1	-0.4	-0.2	-0.7	-0.7
40% Exceedance	-0.2	-0.2	0.2	0.5	0.2	0.3	-0.2	-0.9	-0.5	-0.3	-0.3	-0.5
50% Exceedance	-0.0	-0.0	0.2	0.2	0.1	0.1	-0.2	-1.0	-0.4	-0.4	-0.2	-0.1
60% Exceedance	0.0	0.1	0.2	0.1	0.2	0.1	-0.1	-0.9	-0.2	-0.3	-0.1	0.0
70% Exceedance	-0.1	-0.0	0.1	0.3	0.3	0.1	-0.2	-1.0	-0.2	-0.2	-0.2	-0.0
80% Exceedance	-0.1	0.0	0.3	0.1	0.2	0.0	0.0	-0.9	-0.3	0.0	-0.1	-0.1
90% Exceedance	-0.1	0.2	0.1	0.3	0.0	0.1	0.2	-0.7	0.0	0.1	-0.1	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.1	-0.8	-0.3	-0.2	-0.5	-0.4
Wet Years (28%)	-0.1	0.2	0.3	0.2	0.1	-0.0	-0.0	-0.8	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.3	0.2	0.2	-0.0	-0.1	-0.9	-0.1	-0.2	-0.1	0.5
Below Normal Years (18%)	0.1	0.2	0.0	0.2	0.3	0.1	-0.4	-1.0	-0.2	-0.0	-0.3	-0.6
Dry Years (24%)	-0.2	-0.0	0.1	0.3	0.1	0.3	0.2	-0.8	-0.3	-0.4	-0.6	-0.6
Critical Years (16%)	-0.1	0.4	-0.1	0.4	0.5	0.2	-0.3	-0.3	-0.5	-0.3	-1.5	-1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

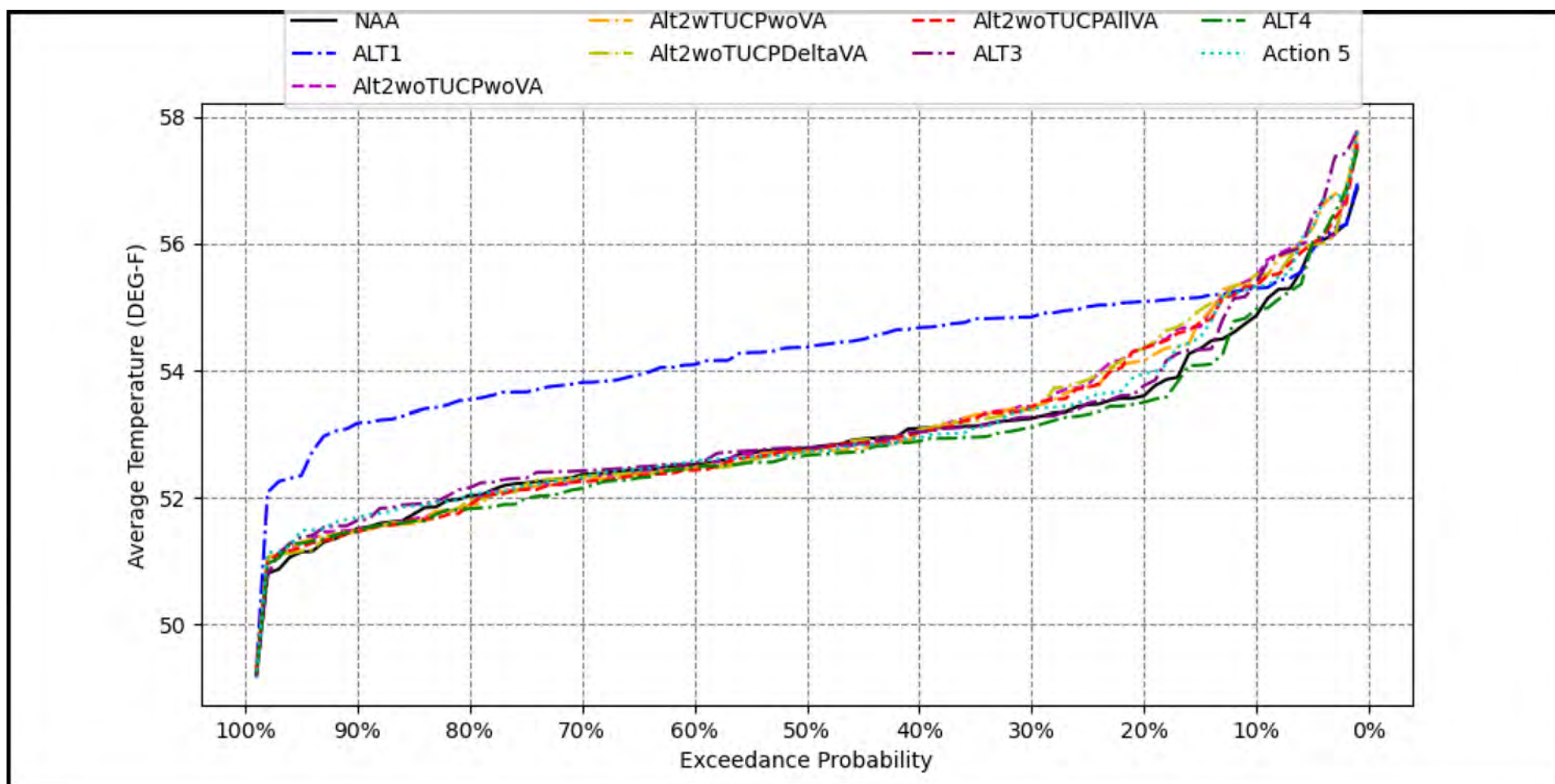
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



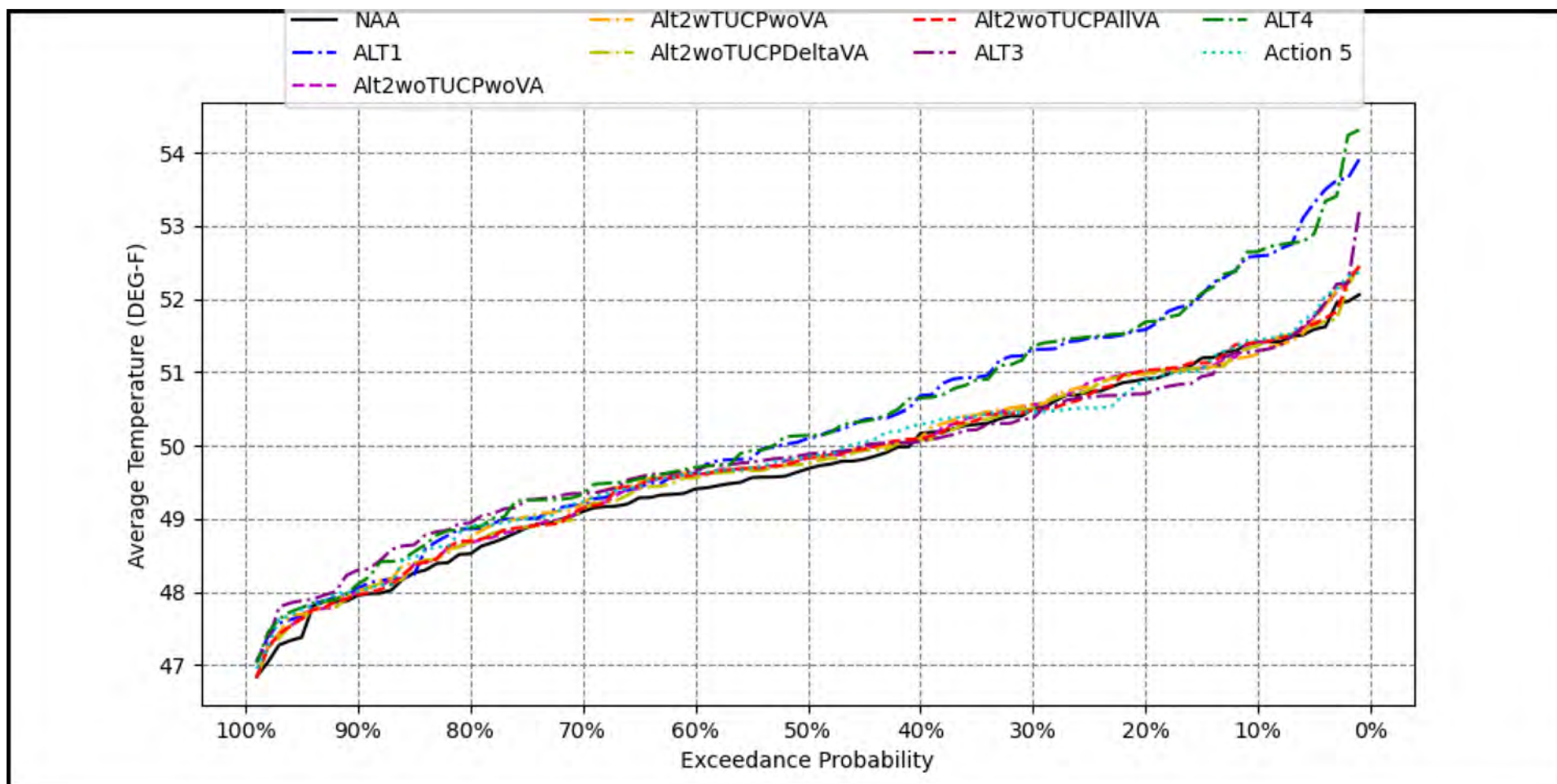
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-1 Sacramento River at Jellys Ferry, October Temperature



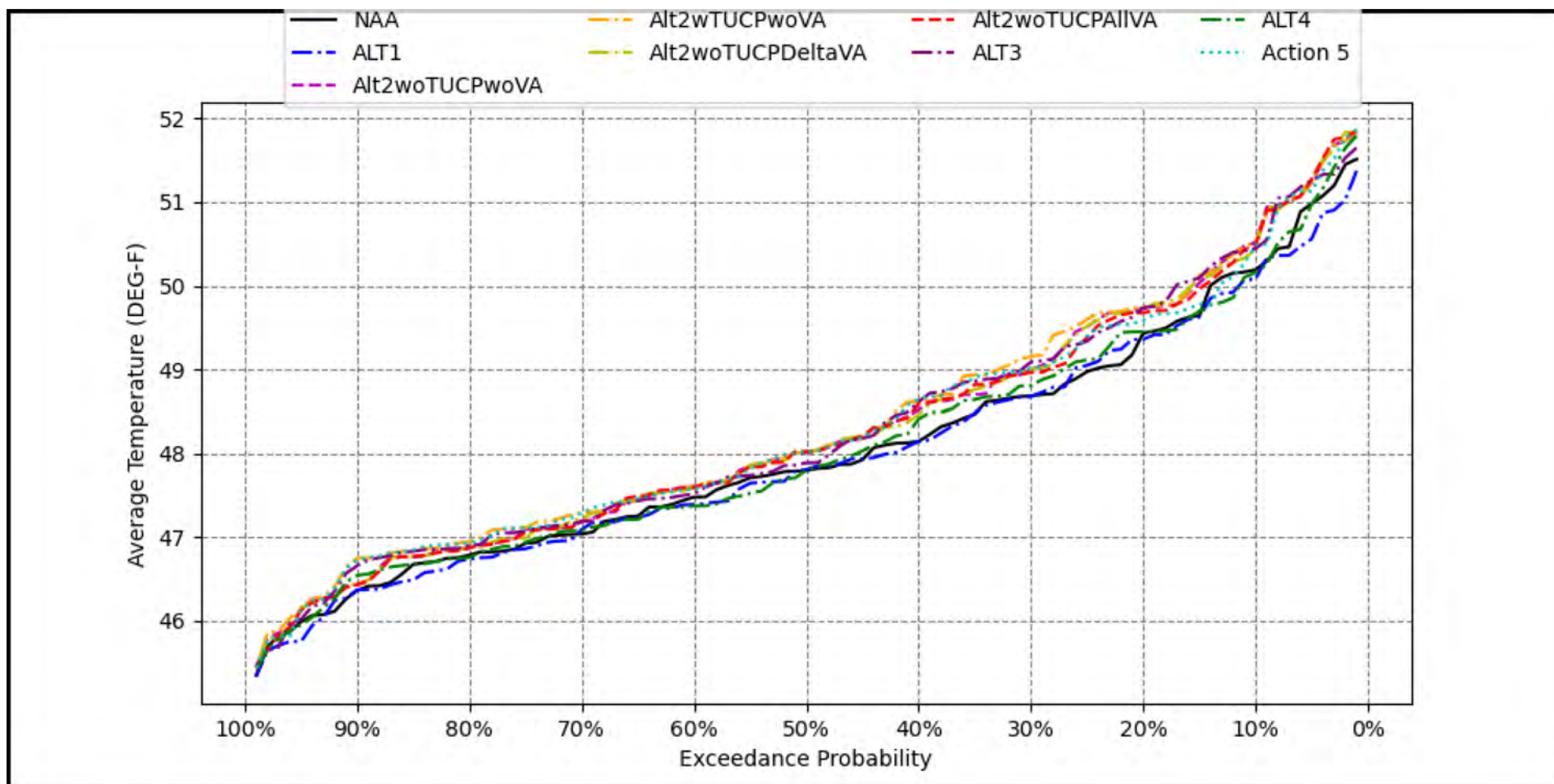
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-2 Sacramento River at Jellys Ferry, November Temperature



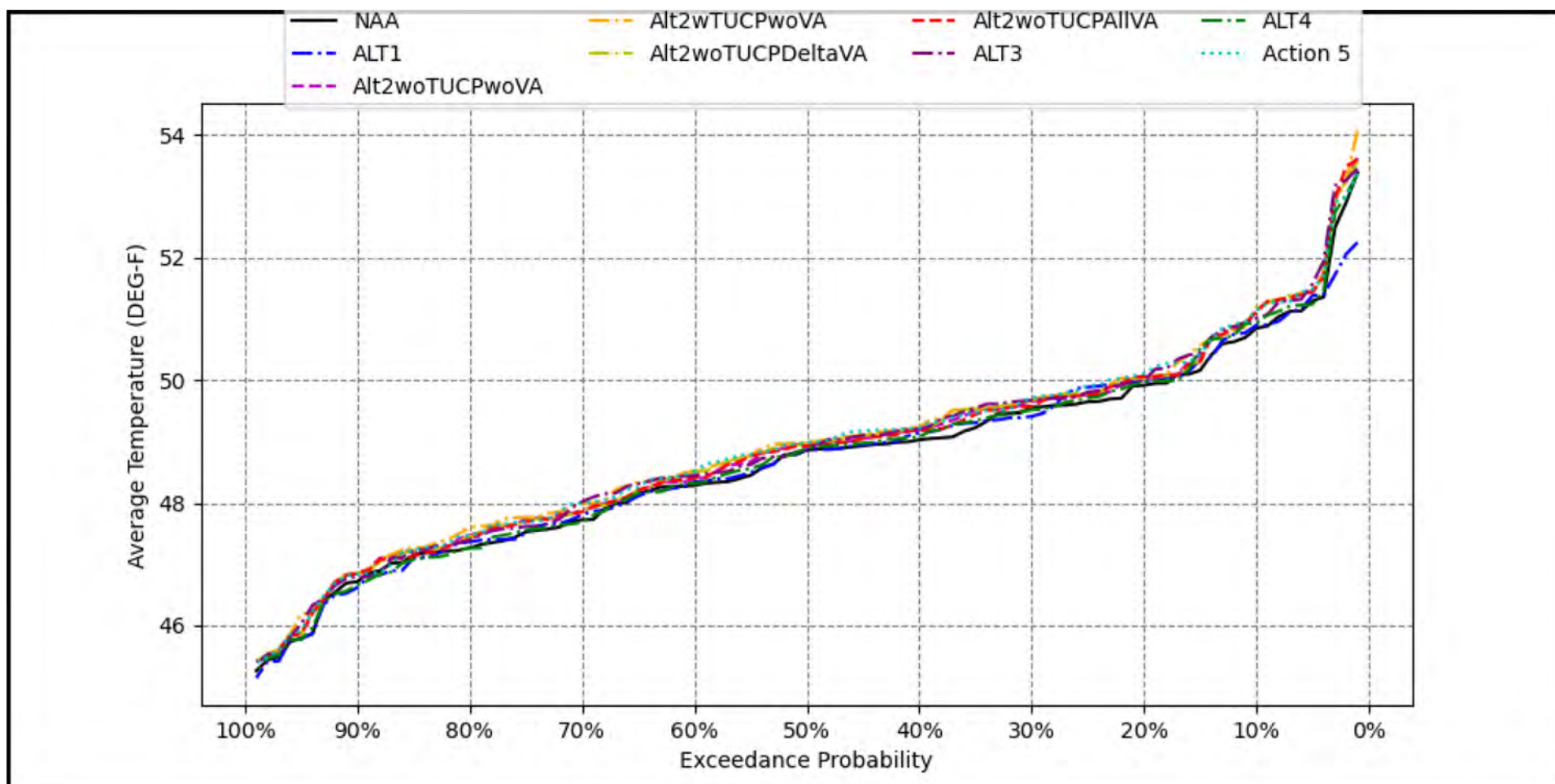
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-3 Sacramento River at Jellys Ferry, December Temperature



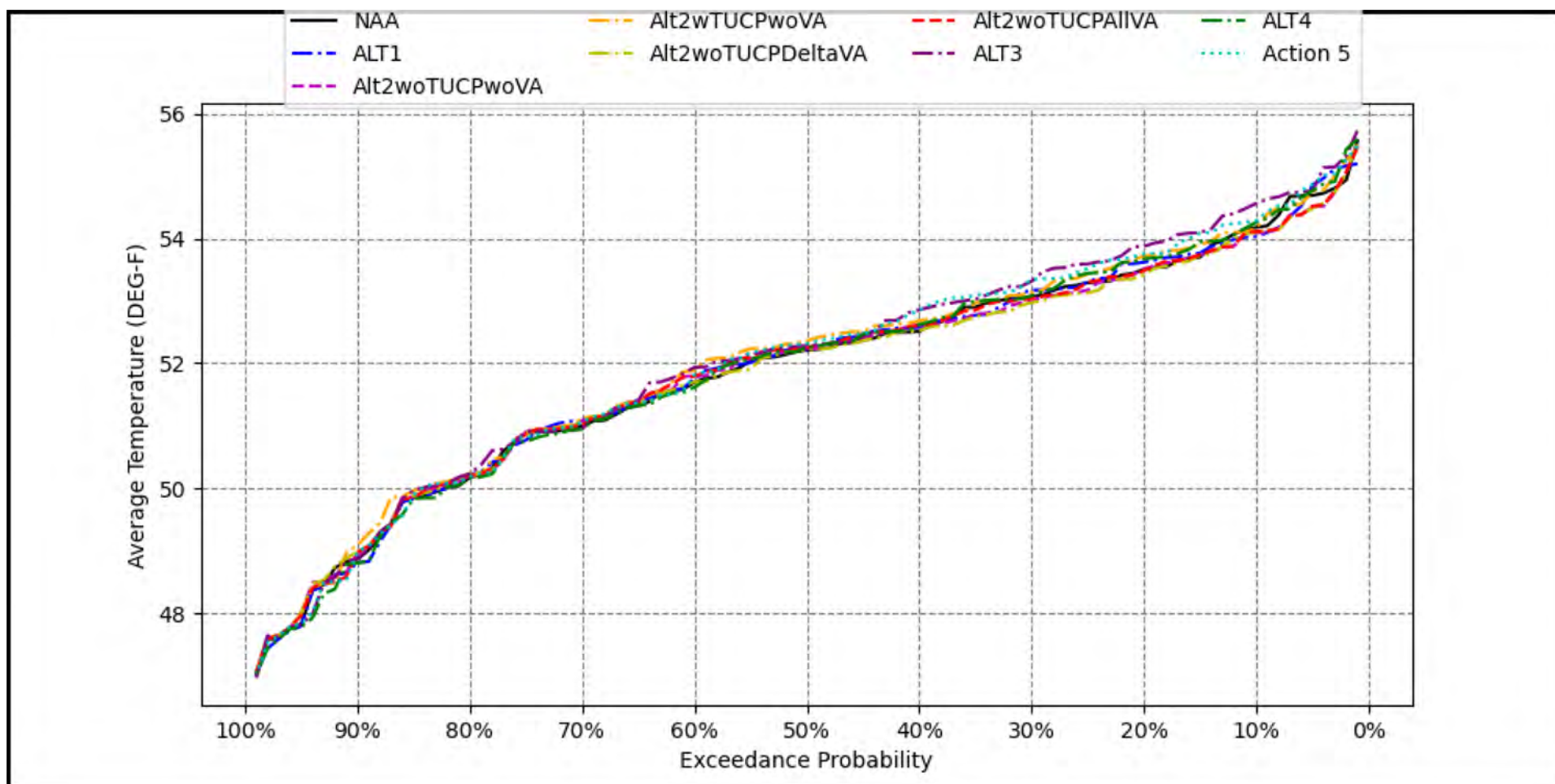
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-4 Sacramento River at Jellys Ferry, January Temperature



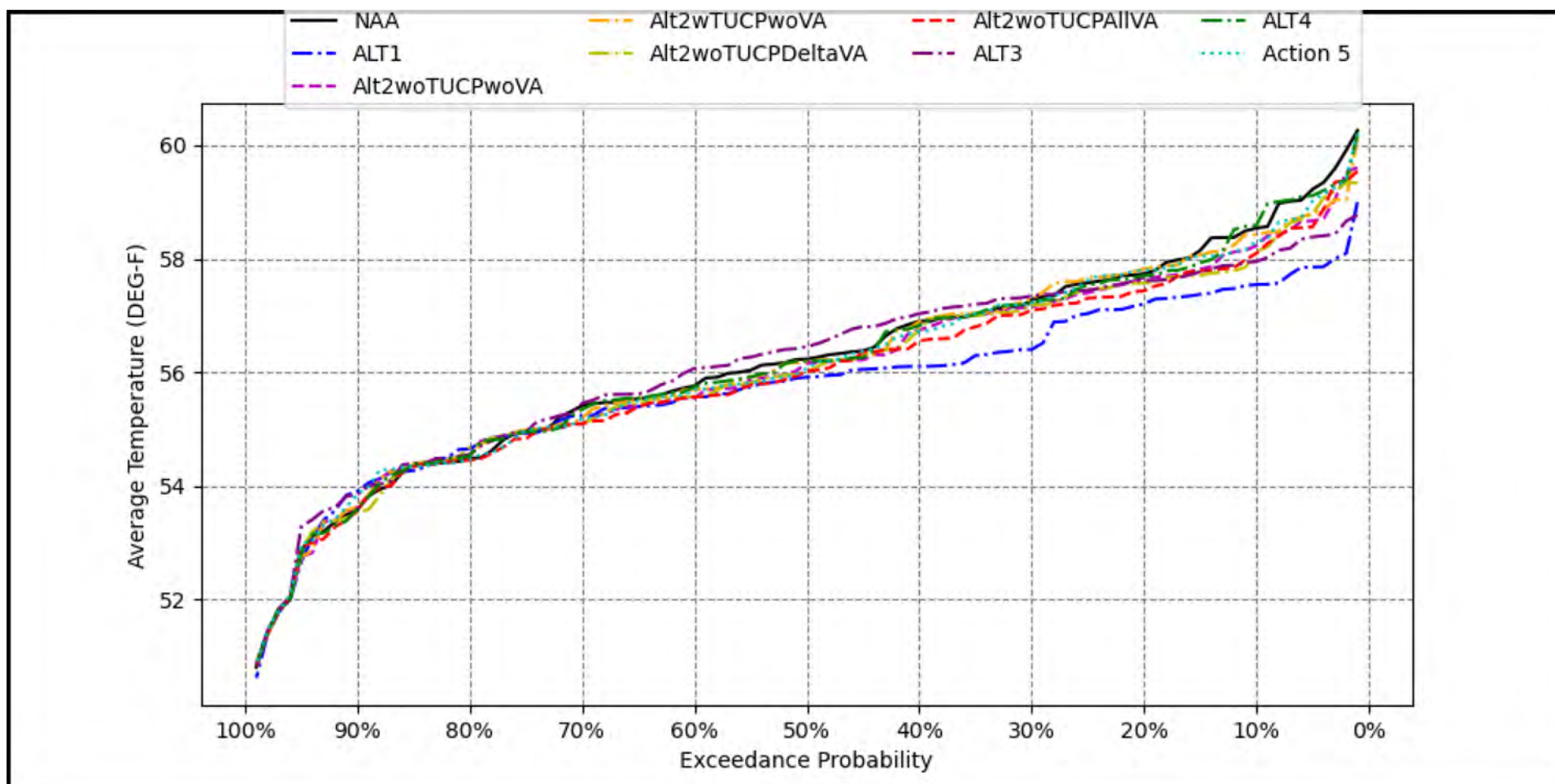
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-5 Sacramento River at Jellys Ferry, February Temperature



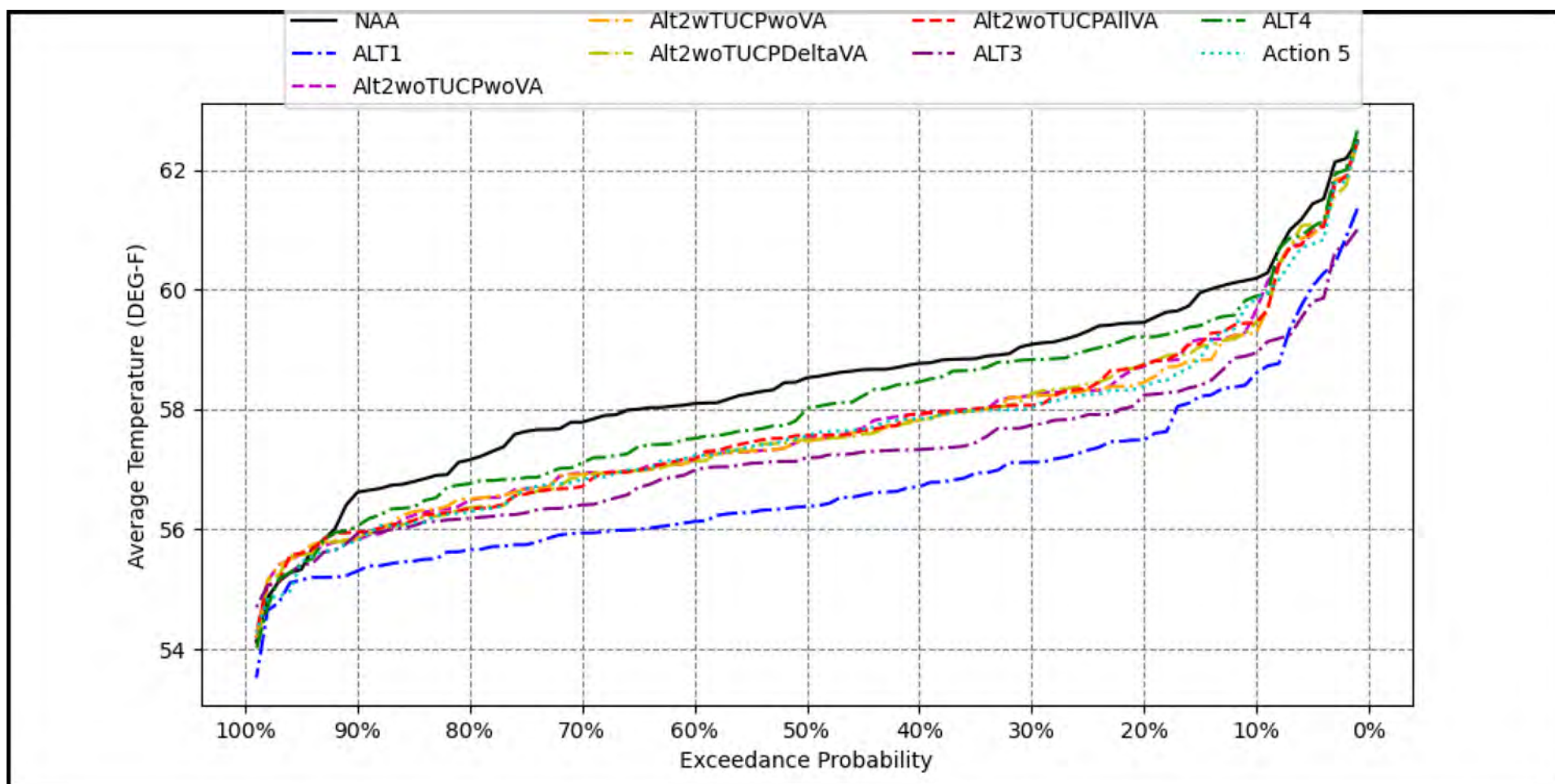
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-6 Sacramento River at Jellys Ferry, March Temperature



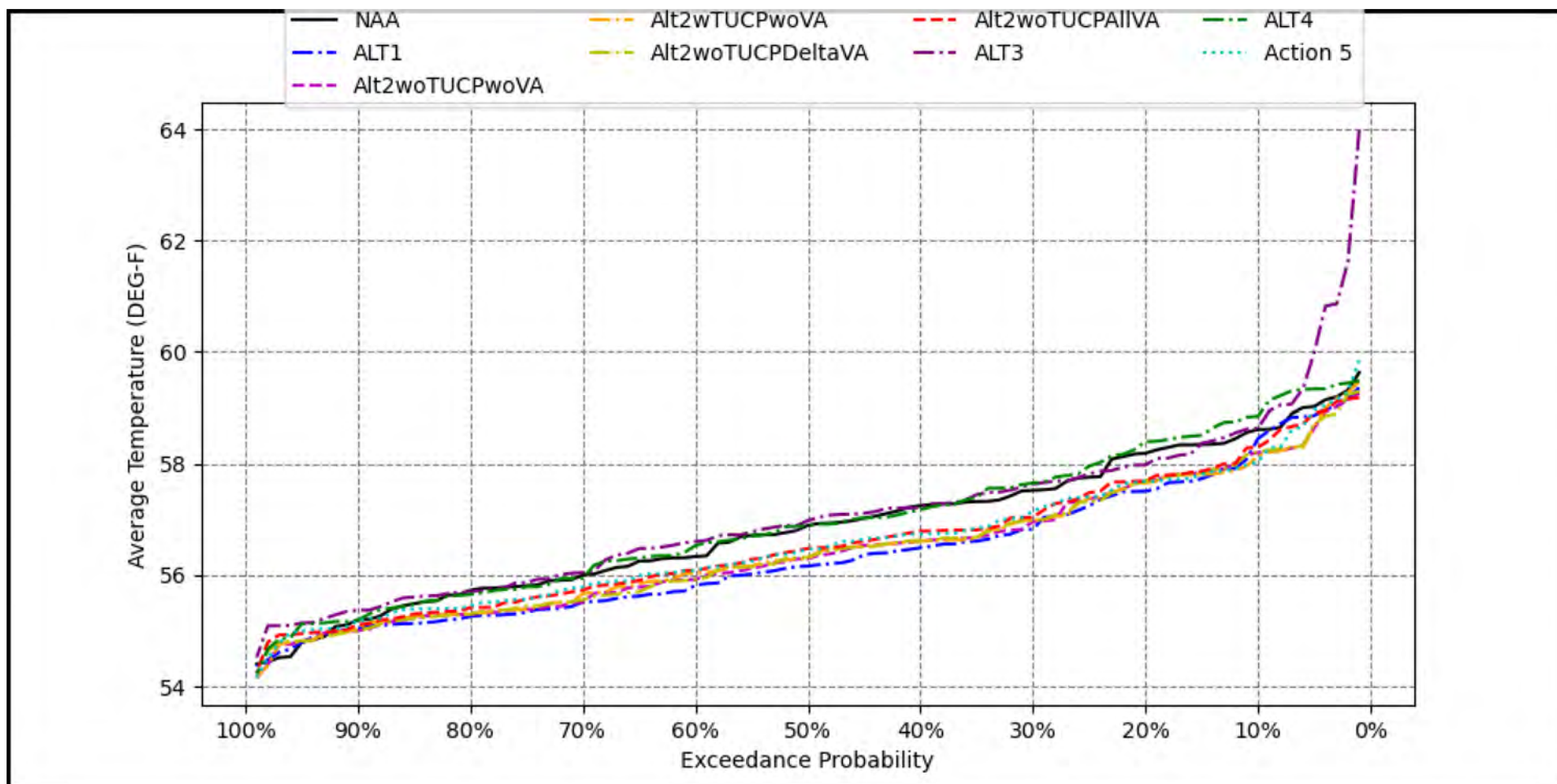
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-7 Sacramento River at Jellys Ferry, April Temperature



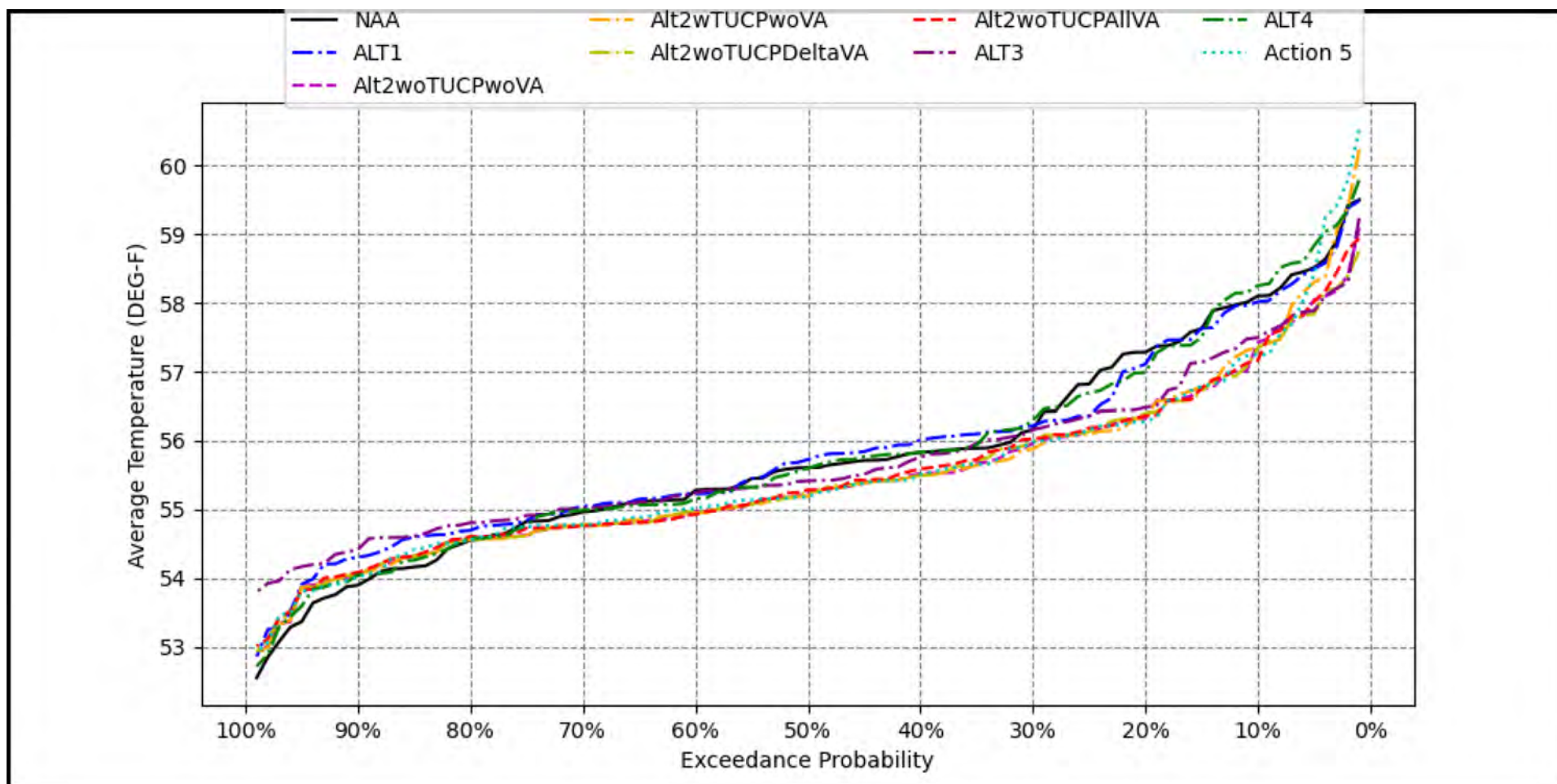
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-8 Sacramento River at Jellys Ferry, May Temperature



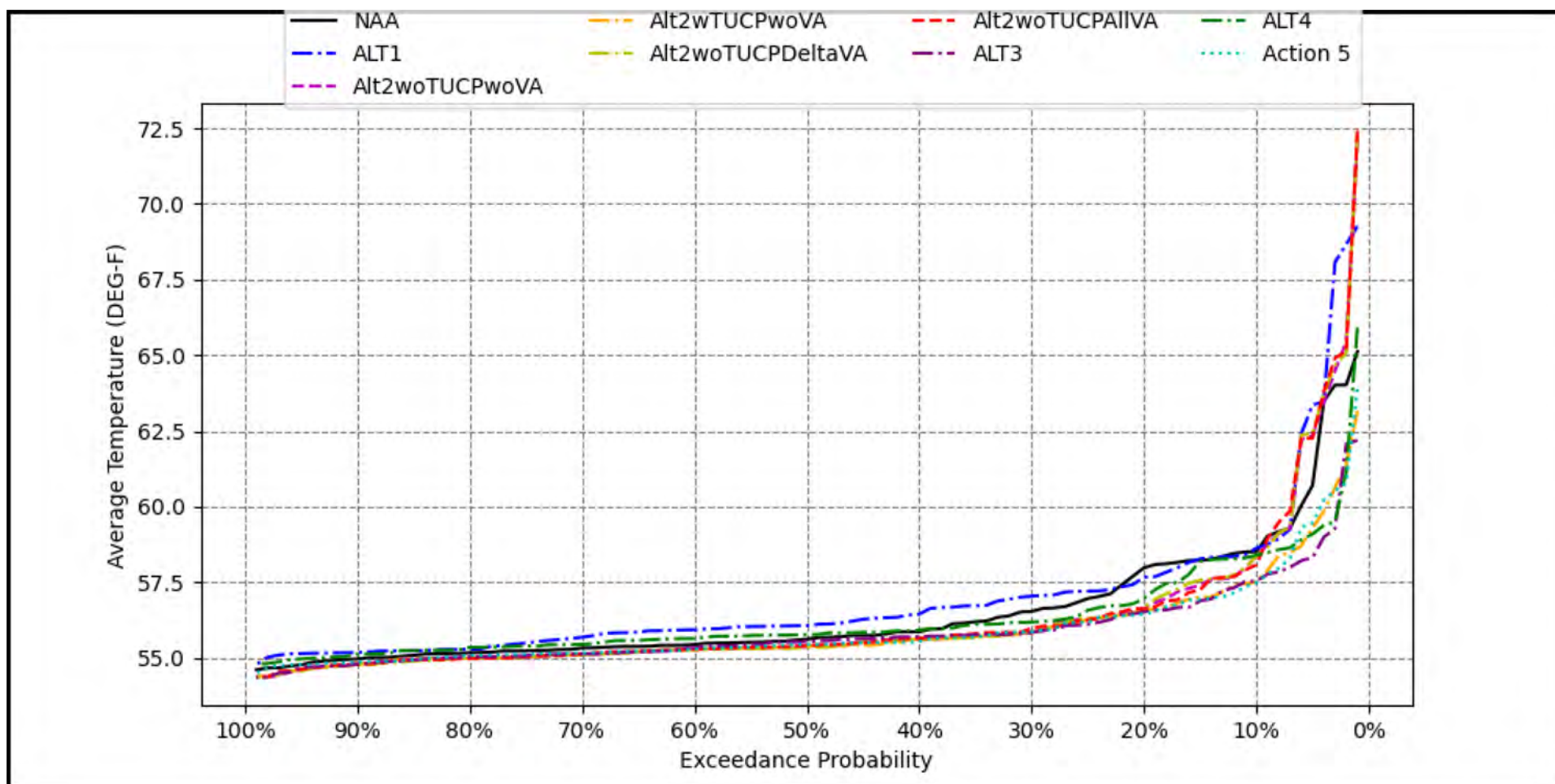
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-9 Sacramento River at Jellys Ferry, June Temperature



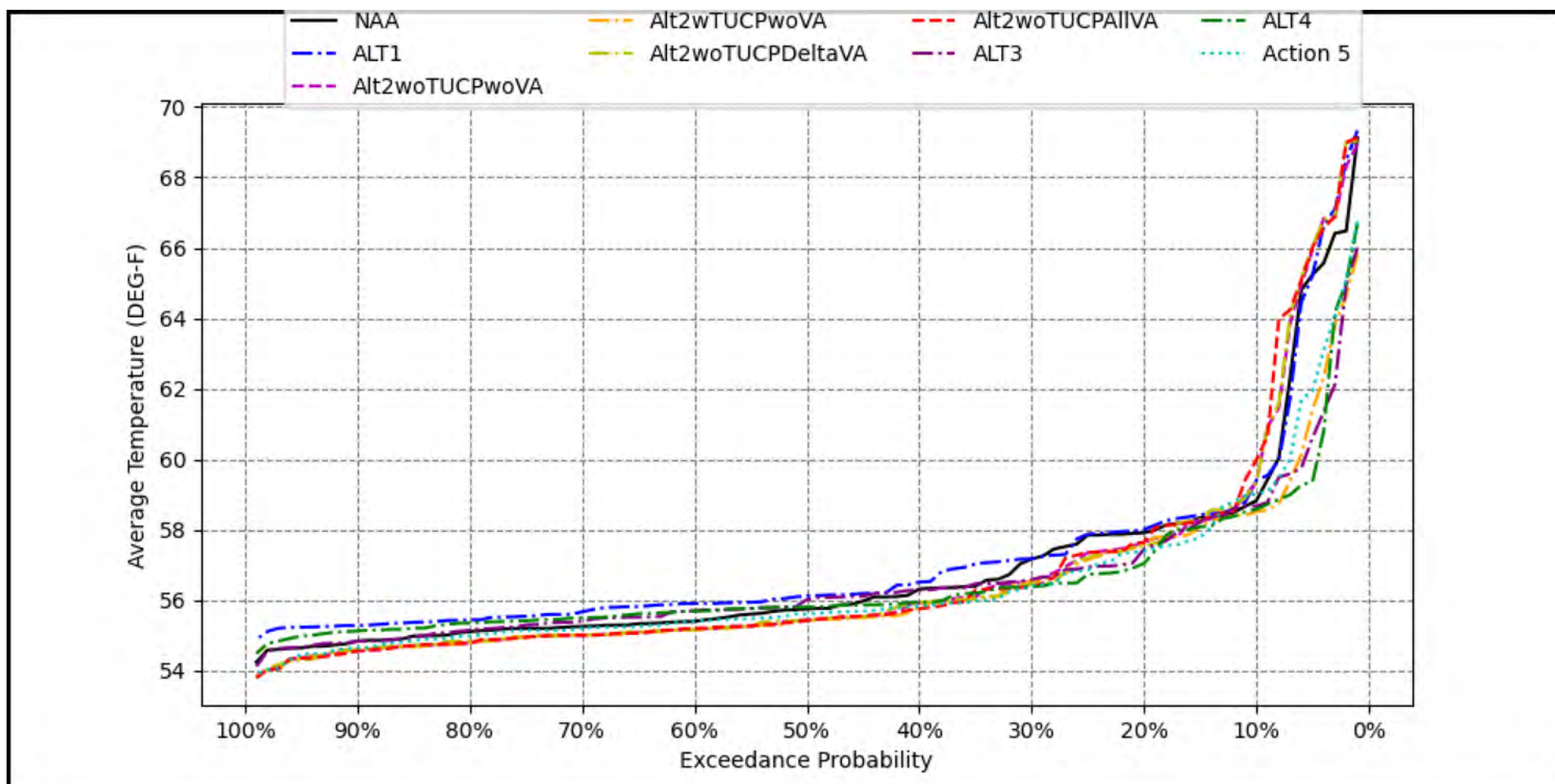
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-10 Sacramento River at Jellys Ferry, July Temperature



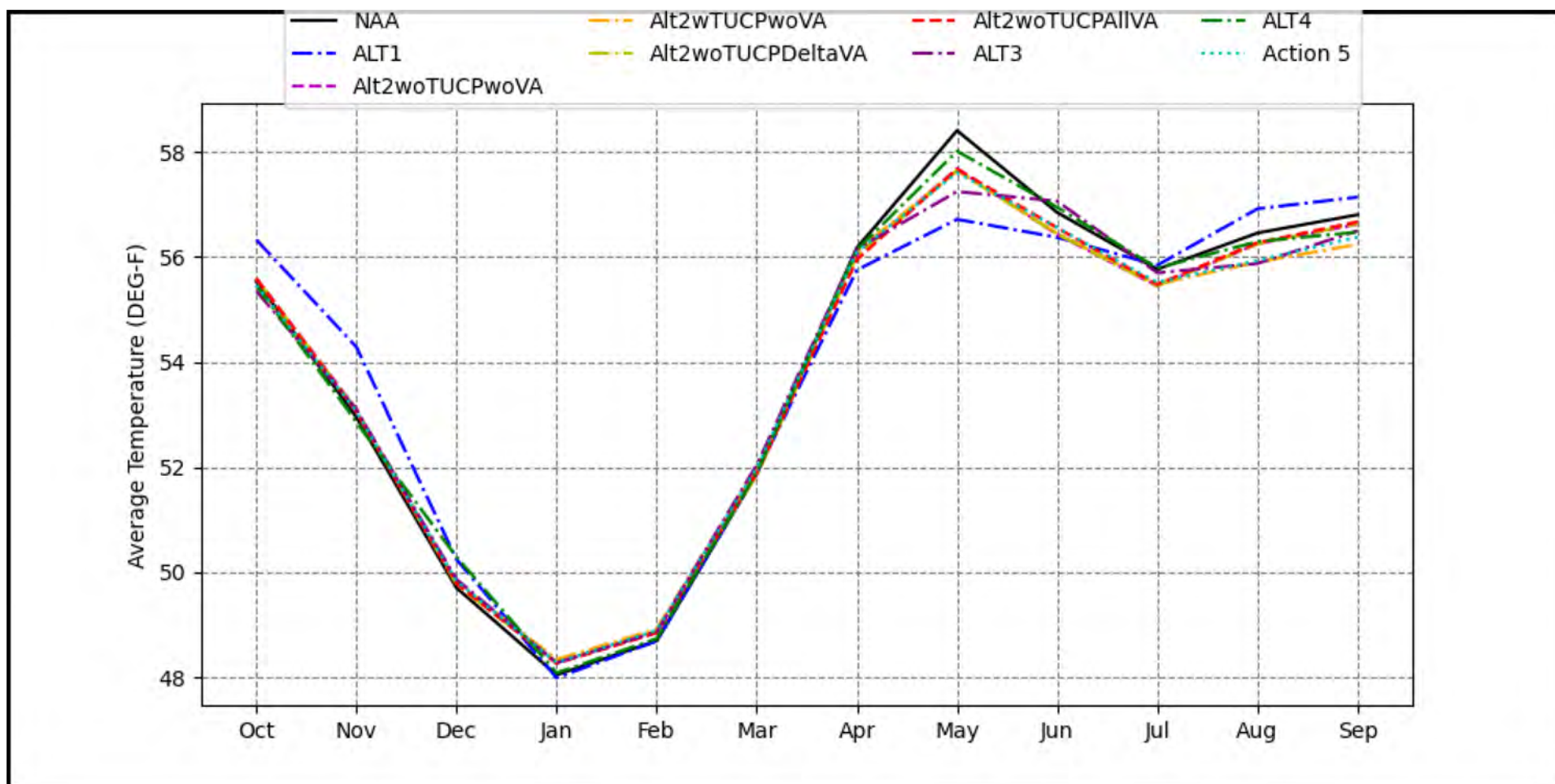
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-11 Sacramento River at Jellys Ferry, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-12 Sacramento River at Jellys Ferry, September Temperature

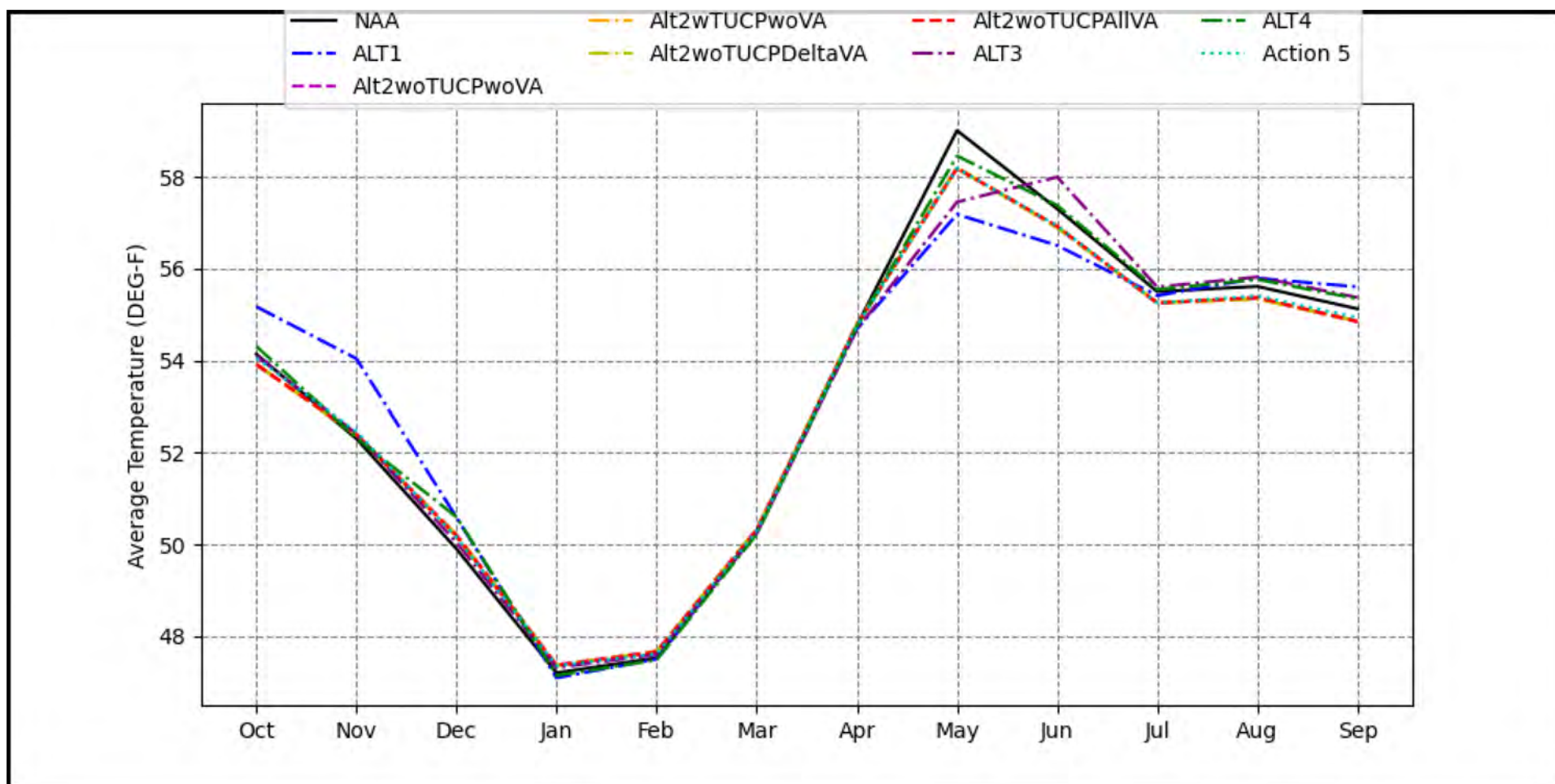


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-13 Sacramento River at Jellys Ferry, Long Term Average Temperature (DEG-F)

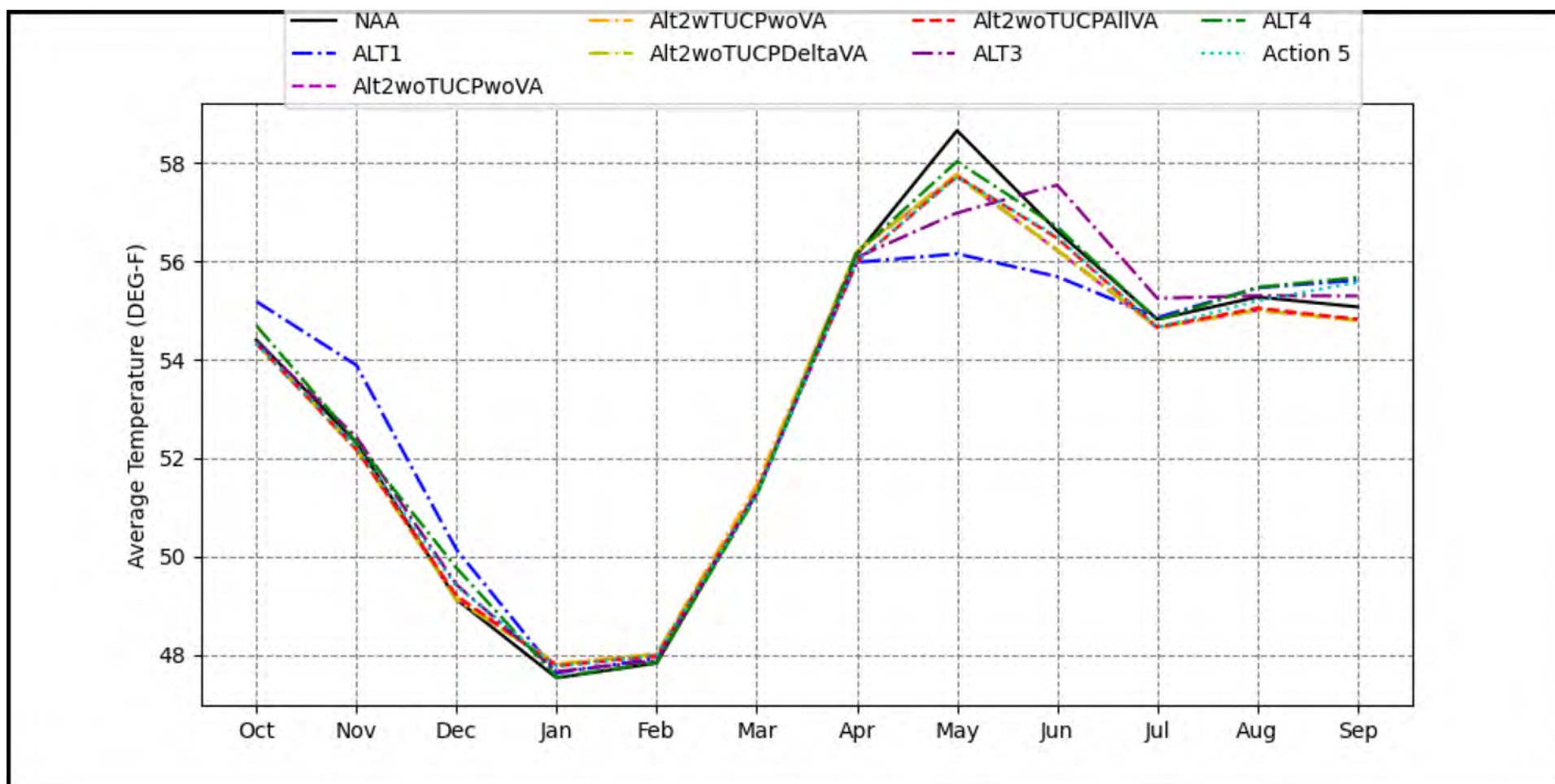


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-14 Sacramento River at Jellys Ferry, Wet Year Average Temperature (DEG-F)

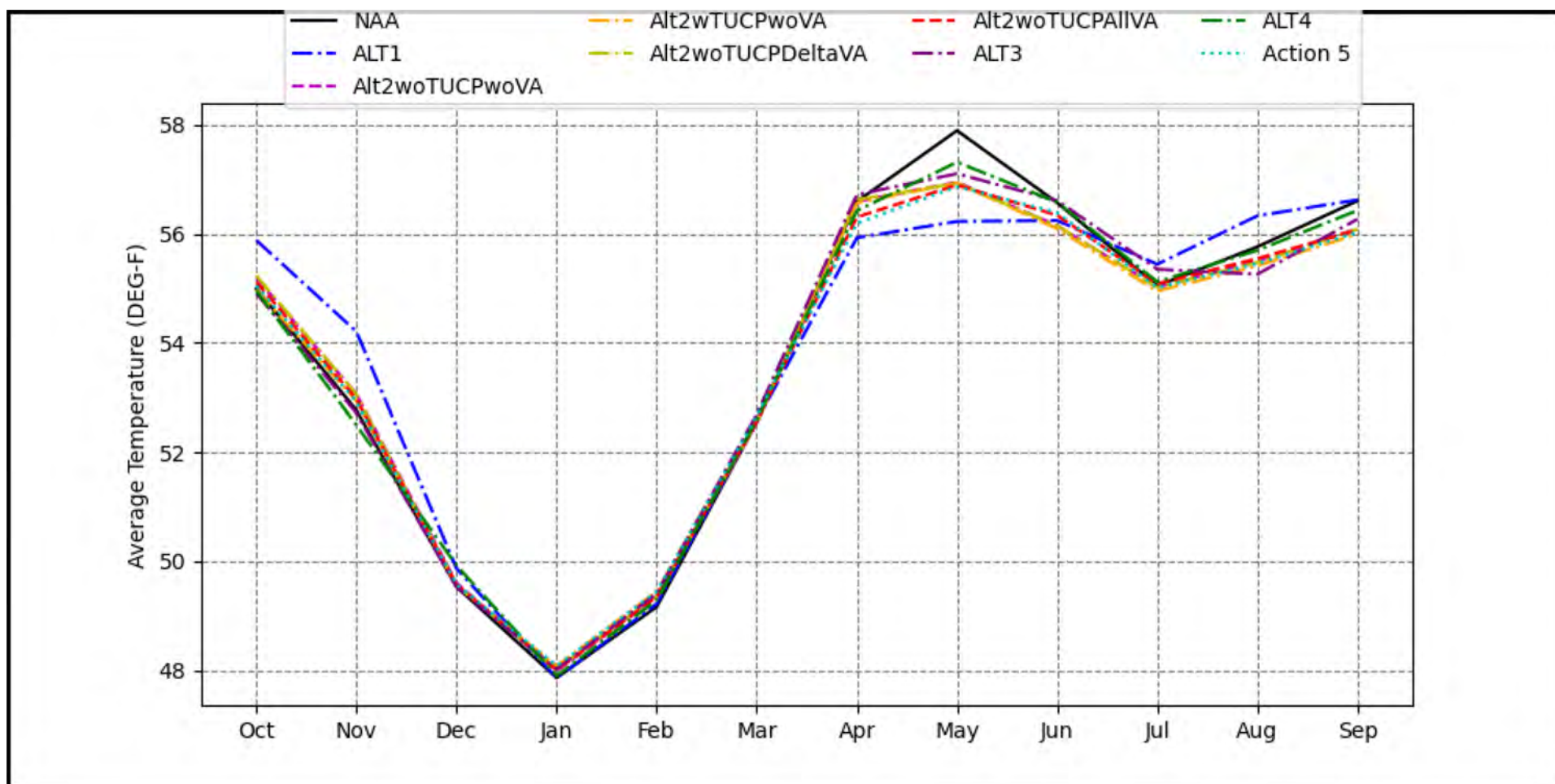


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-15 Sacramento River at Jellys Ferry, Above Normal Year Average Temperature (DEG-F)

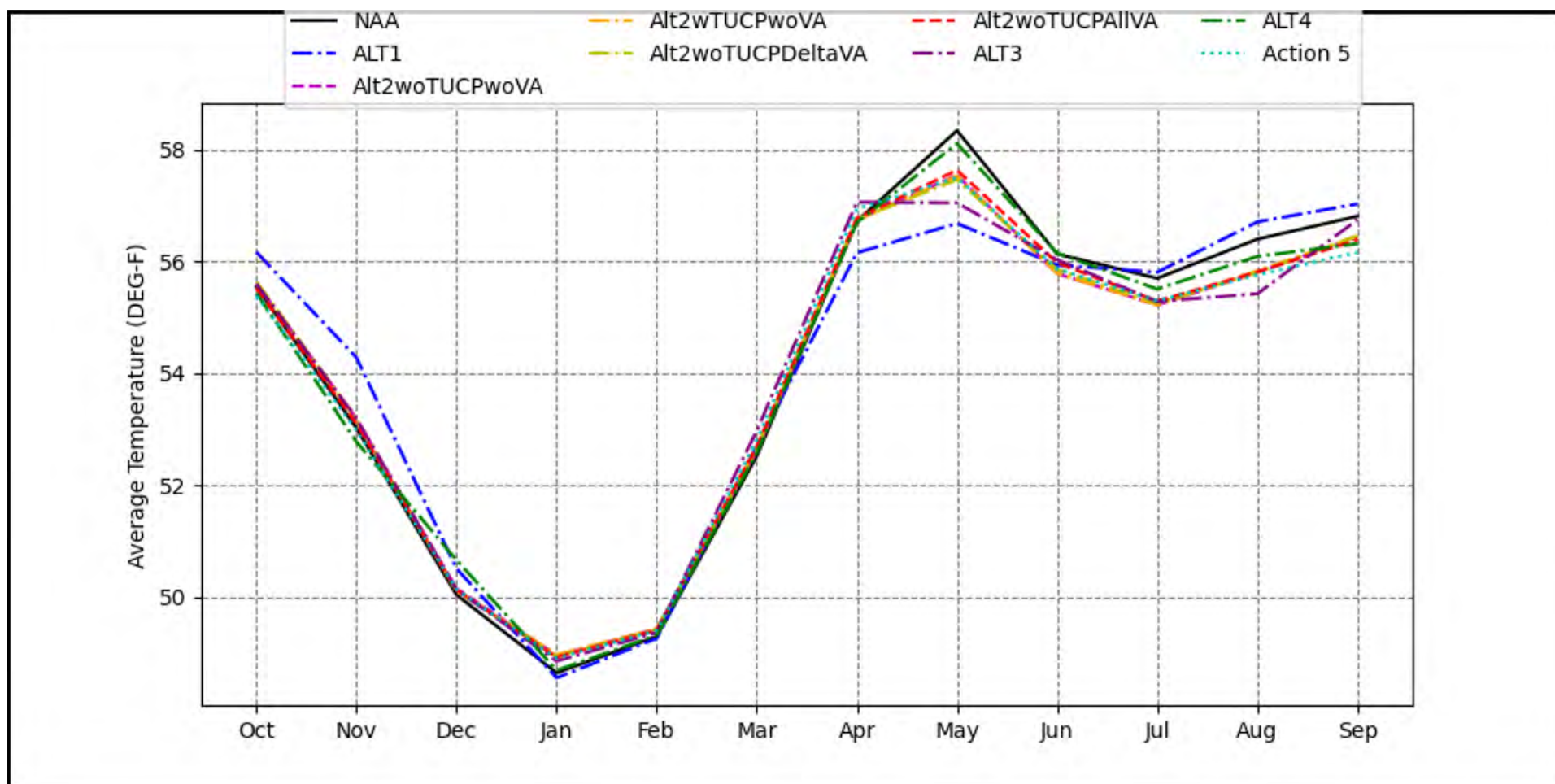


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-16 Sacramento River at Jellys Ferry, Below Normal Year Average Temperature (DEG-F)

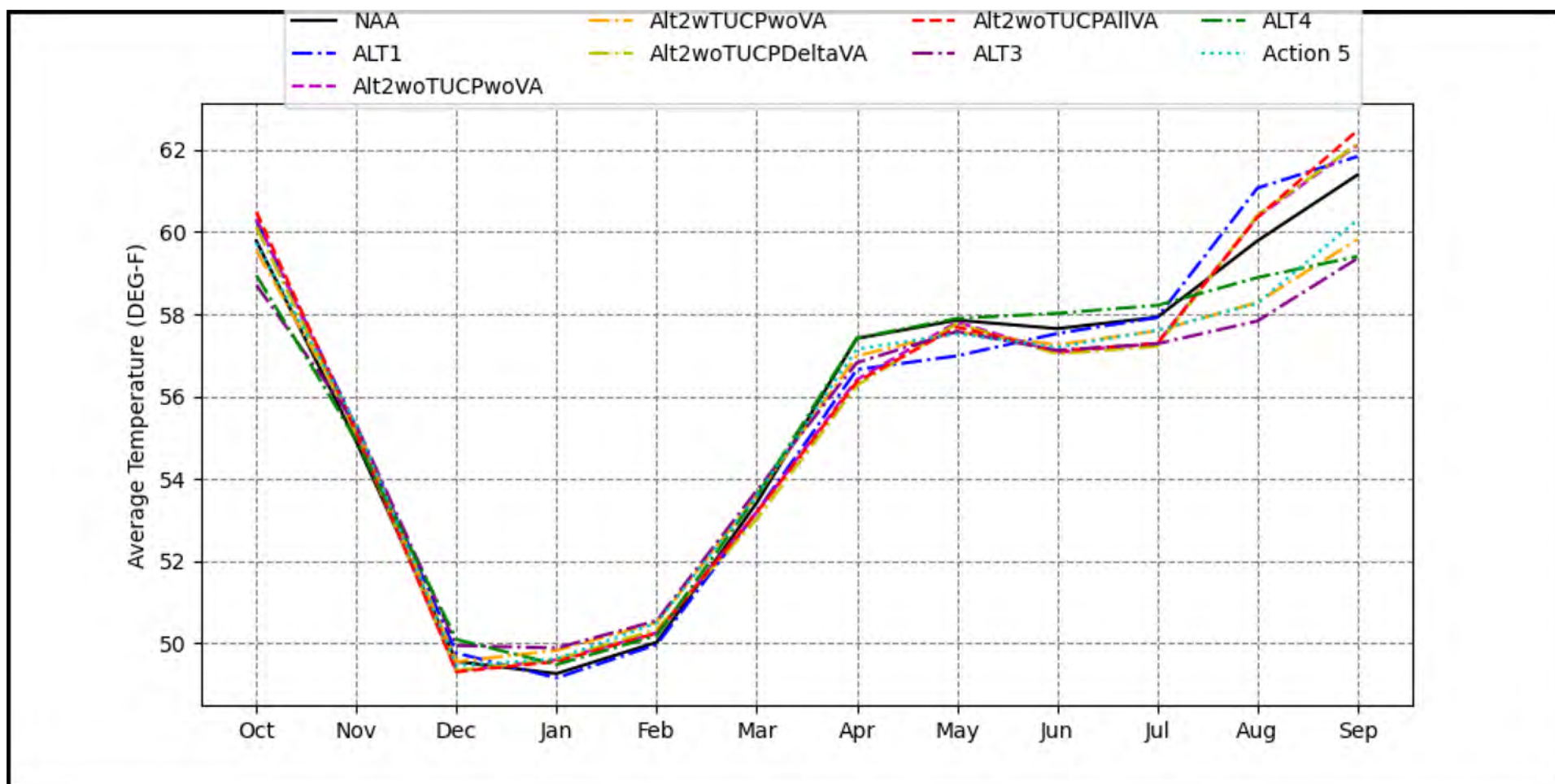


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-17 Sacramento River at Jellys Ferry, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-10-18 Sacramento River at Jellys Ferry, Critical Year Average Temperature (DEG-F)

F.2.11-11 Sacramento River at Bend Bridge

Table F.2.11-11-1 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-1 b. Sacramento River at Bend Bridge, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.6	55.3	52.3	50.0	50.8	54.5	58.2	59.3	59.4	59.3	59.6	60.5
20% Exceedance	57.2	55.1	51.5	49.3	50.1	54.0	57.8	58.5	58.6	58.2	58.8	58.9
30% Exceedance	56.8	54.9	51.2	48.7	49.5	53.5	57.1	58.1	58.0	57.3	57.9	58.1
40% Exceedance	56.3	54.6	50.6	48.2	49.2	53.0	56.7	57.6	57.5	57.0	57.4	57.6
50% Exceedance	56.0	54.4	50.0	47.7	49.1	52.7	56.6	57.3	57.2	56.5	57.1	57.0
60% Exceedance	55.7	54.2	49.7	47.4	48.5	52.2	56.1	57.0	56.8	56.2	56.9	56.6
70% Exceedance	55.6	53.9	49.1	47.2	48.0	51.5	55.8	56.8	56.4	55.9	56.6	56.5
80% Exceedance	55.5	53.6	48.8	46.8	47.5	50.7	55.1	56.5	56.1	55.6	56.4	56.3
90% Exceedance	55.3	53.2	48.1	46.4	46.9	49.2	54.5	56.0	55.9	55.2	56.1	56.1
Full Simulation Period Average^a	56.7	54.3	50.2	48.0	48.8	52.3	56.4	57.6	57.4	56.8	57.9	58.0
Wet Years (28%)	55.5	54.1	50.5	47.1	47.7	50.7	55.2	58.0	57.6	56.4	56.8	56.4
Above Normal Years (14%)	55.6	53.9	50.1	47.6	48.0	51.7	56.6	57.1	56.6	55.7	56.4	56.5
Below Normal Years (18%)	56.3	54.3	49.8	47.9	49.4	53.0	56.5	57.1	57.3	56.5	57.4	57.6
Dry Years (24%)	56.6	54.3	50.4	48.6	49.4	53.1	56.8	57.5	56.9	56.8	57.7	57.9
Critical Years (16%)	60.5	55.2	49.7	49.2	50.2	53.7	57.4	57.8	58.5	59.0	61.9	62.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-1 c. Sacramento River at Bend Bridge, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.3	1.2	-0.2	0.0	-0.1	-1.1	-1.7	-0.3	0.1	0.0	0.5
20% Exceedance	0.2	1.4	0.7	0.1	0.2	0.1	-0.5	-1.7	-0.6	-0.3	-0.2	0.0
30% Exceedance	0.9	1.4	0.7	-0.0	-0.1	-0.0	-0.7	-1.8	-0.6	0.0	0.3	0.0
40% Exceedance	0.7	1.5	0.7	-0.0	0.0	-0.0	-0.7	-1.9	-0.8	0.2	0.6	0.3
50% Exceedance	0.9	1.5	0.3	-0.1	0.0	0.1	-0.3	-2.0	-0.8	-0.0	0.5	0.3
60% Exceedance	0.8	1.6	0.3	-0.0	-0.0	0.2	-0.3	-1.8	-0.6	0.1	0.5	0.4
70% Exceedance	0.8	1.5	0.1	0.0	0.1	0.1	-0.1	-1.7	-0.5	0.1	0.4	0.5
80% Exceedance	1.0	1.5	0.3	-0.1	0.0	0.0	-0.0	-1.5	-0.5	0.2	0.4	0.4
90% Exceedance	1.1	1.6	0.1	-0.1	-0.1	-0.1	0.3	-1.3	-0.2	0.4	0.4	0.6
Full Simulation Period Average^a	0.7	1.3	0.5	-0.1	-0.0	0.0	-0.4	-1.6	-0.5	0.1	0.5	0.3
Wet Years (28%)	1.0	1.7	0.7	-0.1	-0.0	-0.0	-0.0	-1.7	-0.8	-0.1	0.2	0.5
Above Normal Years (14%)	0.8	1.5	1.0	0.1	0.1	0.0	-0.1	-2.3	-1.0	0.1	0.3	0.7
Below Normal Years (18%)	0.8	1.4	0.3	0.0	0.0	0.0	-0.6	-1.6	-0.4	0.4	0.6	-0.1
Dry Years (24%)	0.6	1.2	0.4	-0.1	-0.0	0.1	-0.5	-1.5	-0.2	0.1	0.3	0.2
Critical Years (16%)	0.5	0.3	0.2	-0.1	-0.1	-0.2	-0.8	-0.8	-0.1	-0.1	1.2	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-2 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-2 b. Sacramento River at Bend Bridge, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.2	50.5	51.1	54.5	58.8	60.2	59.4	58.8	59.3	60.1
20% Exceedance	57.4	54.3	50.9	49.7	50.1	53.8	58.2	59.5	58.8	57.7	58.2	58.6
30% Exceedance	56.3	53.6	50.5	49.0	49.8	53.4	57.7	59.1	58.0	57.0	56.9	57.5
40% Exceedance	55.5	53.1	50.0	48.6	49.3	53.0	57.3	58.8	57.6	56.5	56.7	56.9
50% Exceedance	55.1	52.9	49.8	48.0	49.1	52.6	56.7	58.3	57.5	56.2	56.4	56.3
60% Exceedance	54.8	52.6	49.6	47.6	48.6	52.2	56.2	58.0	57.0	55.9	56.3	56.0
70% Exceedance	54.6	52.4	49.1	47.2	48.0	51.4	55.7	57.7	56.5	55.6	56.0	55.8
80% Exceedance	54.3	52.1	48.7	46.9	47.7	50.6	55.3	57.2	56.2	55.4	55.9	55.6
90% Exceedance	54.1	51.7	48.1	46.6	47.1	49.3	54.4	56.6	55.9	54.9	55.6	55.3
Full Simulation Period Average^a	56.0	53.2	49.7	48.3	49.0	52.3	56.6	58.5	57.5	56.5	57.3	57.5
Wet Years (28%)	54.3	52.5	50.1	47.4	47.8	50.7	55.3	59.0	58.0	56.3	56.4	55.6
Above Normal Years (14%)	54.7	52.3	49.1	47.8	48.1	51.7	56.7	58.6	57.2	55.5	55.9	55.5
Below Normal Years (18%)	55.7	53.2	49.6	48.0	49.5	52.9	57.1	57.7	57.3	56.1	56.6	57.1
Dry Years (24%)	56.1	53.3	50.0	48.9	49.5	53.0	57.3	58.4	56.8	56.2	56.9	57.4
Critical Years (16%)	60.5	55.1	49.3	49.6	50.5	53.7	57.1	58.7	58.2	58.4	61.3	62.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-2 c. Sacramento River at Bend Bridge, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.9	0.4	-0.0	0.3	0.3	-0.1	-0.5	-0.8	-0.4	-0.4	-0.3	0.1
20% Exceedance	0.3	0.6	0.1	0.5	0.1	-0.1	-0.1	-0.7	-0.5	-0.9	-0.8	-0.2
30% Exceedance	0.4	0.2	0.0	0.3	0.1	-0.1	-0.1	-0.8	-0.6	-0.3	-0.7	-0.6
40% Exceedance	-0.1	-0.1	0.1	0.3	0.1	-0.0	-0.1	-0.8	-0.7	-0.3	-0.1	-0.4
50% Exceedance	0.0	0.0	0.1	0.2	0.1	0.0	-0.1	-0.9	-0.5	-0.4	-0.3	-0.4
60% Exceedance	-0.1	-0.0	0.2	0.1	0.1	0.2	-0.2	-0.8	-0.4	-0.2	-0.1	-0.2
70% Exceedance	-0.1	-0.1	0.0	0.1	0.2	-0.0	-0.2	-0.7	-0.4	-0.2	-0.2	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.1	0.2	0.0	0.1	-0.7	-0.4	0.0	-0.1	-0.3
90% Exceedance	-0.2	0.1	0.1	0.1	0.2	0.0	0.1	-0.7	-0.1	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	-0.0	-0.2	-0.7	-0.4	-0.3	-0.2	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.0	0.2	0.1	0.0	0.1	-0.8	-0.4	-0.2	-0.2	-0.3
Below Normal Years (18%)	0.2	0.3	0.1	0.1	0.2	-0.0	0.0	-0.9	-0.4	0.0	-0.2	-0.5
Dry Years (24%)	0.0	0.2	0.1	0.3	0.1	0.1	0.0	-0.7	-0.3	-0.4	-0.6	-0.4
Critical Years (16%)	0.5	0.2	-0.2	0.3	0.2	-0.2	-1.0	0.0	-0.5	-0.6	0.6	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-3 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-3 b. Sacramento River at Bend Bridge, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.2	55.4	51.1	50.5	51.1	54.6	59.0	60.1	59.2	58.9	58.7	59.5
20% Exceedance	57.2	54.2	50.8	49.7	50.1	54.1	58.4	59.3	58.8	57.7	57.9	58.6
30% Exceedance	56.2	53.6	50.5	49.1	49.8	53.6	57.8	59.1	58.0	57.0	56.9	57.4
40% Exceedance	55.5	53.1	50.0	48.6	49.4	53.1	57.4	58.8	57.7	56.5	56.7	56.9
50% Exceedance	55.0	52.8	49.8	48.0	49.2	52.7	56.7	58.3	57.4	56.2	56.4	56.2
60% Exceedance	54.7	52.5	49.6	47.6	48.7	52.3	56.3	57.9	57.2	55.9	56.2	56.0
70% Exceedance	54.6	52.4	49.2	47.3	48.1	51.4	55.9	57.7	56.6	55.5	56.0	55.8
80% Exceedance	54.4	52.0	48.7	47.0	47.7	50.7	55.3	57.3	56.2	55.4	55.9	55.6
90% Exceedance	54.1	51.7	48.1	46.8	47.1	49.5	54.4	56.6	55.9	54.9	55.6	55.3
Full Simulation Period Average^a	55.9	53.2	49.8	48.3	49.1	52.4	56.7	58.5	57.5	56.5	57.0	57.1
Wet Years (28%)	54.3	52.5	50.1	47.4	47.8	50.7	55.3	59.0	58.0	56.3	56.4	55.6
Above Normal Years (14%)	54.7	52.2	49.2	47.8	48.1	51.8	56.7	58.6	57.2	55.5	55.9	55.5
Below Normal Years (18%)	55.5	53.1	49.5	48.1	49.6	53.0	57.1	57.7	57.2	56.0	56.5	57.0
Dry Years (24%)	56.1	53.3	50.0	49.0	49.5	53.1	57.3	58.4	56.8	56.2	56.9	57.4
Critical Years (16%)	59.8	55.2	49.5	49.8	50.7	54.1	57.8	58.5	58.3	58.9	59.4	60.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-3 c. Sacramento River at Bend Bridge, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.4	-0.1	0.3	0.3	-0.0	-0.3	-0.9	-0.6	-0.3	-0.9	-0.5
20% Exceedance	0.2	0.5	0.1	0.5	0.2	0.1	0.1	-0.9	-0.5	-0.8	-1.1	-0.2
30% Exceedance	0.4	0.2	0.0	0.4	0.2	0.1	-0.0	-0.8	-0.6	-0.3	-0.7	-0.6
40% Exceedance	-0.1	-0.1	0.1	0.4	0.2	0.1	-0.1	-0.7	-0.6	-0.3	-0.1	-0.4
50% Exceedance	-0.0	-0.0	0.1	0.2	0.1	0.1	-0.1	-0.9	-0.5	-0.4	-0.3	-0.5
60% Exceedance	-0.2	-0.1	0.2	0.1	0.2	0.3	-0.1	-0.9	-0.2	-0.2	-0.1	-0.2
70% Exceedance	-0.1	-0.1	0.2	0.1	0.2	0.0	-0.1	-0.7	-0.4	-0.2	-0.2	-0.2
80% Exceedance	-0.1	-0.1	0.2	0.2	0.2	0.1	0.1	-0.7	-0.4	0.0	-0.1	-0.3
90% Exceedance	-0.2	0.1	0.1	0.3	0.2	0.1	0.1	-0.7	-0.1	0.1	-0.1	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.3	0.2	0.1	-0.1	-0.7	-0.4	-0.2	-0.5	-0.5
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.2	0.1	0.1	-0.8	-0.4	-0.2	-0.2	-0.3
Below Normal Years (18%)	-0.0	0.2	0.0	0.2	0.2	0.1	-0.0	-0.9	-0.5	-0.1	-0.3	-0.6
Dry Years (24%)	0.0	0.1	0.1	0.3	0.1	0.1	0.0	-0.7	-0.3	-0.4	-0.5	-0.3
Critical Years (16%)	-0.2	0.4	-0.0	0.5	0.4	0.2	-0.4	-0.2	-0.3	-0.2	-1.3	-1.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-4 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-4 b. Sacramento River at Bend Bridge, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.6	55.4	51.2	50.4	51.1	54.4	58.4	60.1	59.4	58.7	59.3	60.1
20% Exceedance	57.4	54.3	50.8	49.8	50.1	53.8	58.2	59.5	58.8	57.7	58.3	58.6
30% Exceedance	56.3	53.4	50.4	49.0	49.8	53.3	57.7	59.1	58.0	57.0	56.8	57.2
40% Exceedance	55.5	53.2	50.0	48.6	49.4	52.9	57.3	58.8	57.7	56.5	56.6	56.9
50% Exceedance	55.1	52.9	49.7	48.0	49.2	52.6	56.6	58.3	57.5	56.2	56.4	56.3
60% Exceedance	54.9	52.6	49.6	47.6	48.6	52.1	56.3	57.9	57.0	55.9	56.2	56.0
70% Exceedance	54.6	52.4	49.0	47.2	48.0	51.4	55.7	57.7	56.5	55.6	56.1	55.8
80% Exceedance	54.5	52.1	48.7	46.9	47.7	50.7	55.3	57.1	56.2	55.4	55.8	55.6
90% Exceedance	54.1	51.6	48.1	46.6	47.1	49.4	54.1	56.6	55.9	54.9	55.6	55.3
Full Simulation Period Average^a	56.0	53.2	49.7	48.3	49.0	52.2	56.6	58.5	57.5	56.5	57.3	57.5
Wet Years (28%)	54.3	52.5	50.1	47.4	47.8	50.7	55.3	58.9	58.0	56.3	56.4	55.6
Above Normal Years (14%)	54.8	52.3	49.1	47.8	48.1	51.7	56.7	58.5	57.3	55.5	55.9	55.5
Below Normal Years (18%)	55.7	53.2	49.5	48.0	49.5	52.9	57.2	57.7	57.3	56.1	56.5	57.1
Dry Years (24%)	56.1	53.3	50.0	48.9	49.5	53.0	57.3	58.3	56.9	56.2	56.9	57.4
Critical Years (16%)	60.3	55.0	49.3	49.6	50.5	53.5	57.0	58.7	58.1	58.4	61.3	62.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-4 c. Sacramento River at Bend Bridge, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.4	0.0	0.2	0.3	-0.2	-0.8	-0.8	-0.4	-0.5	-0.3	0.1
20% Exceedance	0.4	0.6	0.0	0.5	0.2	-0.2	-0.1	-0.7	-0.5	-0.8	-0.7	-0.3
30% Exceedance	0.4	0.0	-0.0	0.3	0.1	-0.1	-0.2	-0.8	-0.6	-0.3	-0.8	-0.8
40% Exceedance	-0.1	0.0	0.1	0.4	0.2	-0.1	-0.1	-0.7	-0.6	-0.2	-0.2	-0.4
50% Exceedance	0.0	0.0	0.1	0.2	0.1	-0.0	-0.2	-0.9	-0.5	-0.4	-0.3	-0.4
60% Exceedance	-0.1	-0.0	0.2	0.1	0.1	0.1	-0.2	-0.8	-0.4	-0.2	-0.1	-0.2
70% Exceedance	-0.2	-0.1	-0.1	0.1	0.1	-0.0	-0.2	-0.8	-0.4	-0.2	-0.2	-0.2
80% Exceedance	-0.0	-0.1	0.1	0.1	0.2	0.1	0.2	-0.9	-0.4	0.0	-0.2	-0.3
90% Exceedance	-0.2	0.0	0.0	0.2	0.2	0.0	-0.1	-0.7	-0.1	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.2	-0.0	-0.2	-0.7	-0.4	-0.3	-0.2	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	-0.0	0.2	0.2	0.0	0.1	-0.9	-0.3	-0.2	-0.2	-0.3
Below Normal Years (18%)	0.2	0.3	0.0	0.1	0.2	-0.0	0.0	-0.9	-0.4	0.0	-0.2	-0.5
Dry Years (24%)	0.1	0.2	0.1	0.3	0.1	0.1	0.0	-0.8	-0.3	-0.4	-0.6	-0.3
Critical Years (16%)	0.3	0.2	-0.2	0.3	0.3	-0.4	-1.2	-0.0	-0.5	-0.7	0.6	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-5 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-5 b. Sacramento River at Bend Bridge, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.3	51.3	50.4	51.1	54.5	58.5	60.2	59.5	58.8	59.3	60.6
20% Exceedance	57.3	54.3	50.8	49.7	50.1	53.9	58.1	59.5	58.8	57.7	58.0	58.7
30% Exceedance	56.3	53.5	50.4	49.0	49.8	53.4	57.6	58.9	58.2	57.0	57.0	57.3
40% Exceedance	55.4	53.1	50.0	48.6	49.3	53.1	57.1	58.7	57.9	56.6	56.7	56.8
50% Exceedance	55.1	52.9	49.8	48.0	49.1	52.6	56.6	58.4	57.6	56.2	56.5	56.3
60% Exceedance	54.8	52.5	49.6	47.6	48.6	52.2	56.1	58.0	57.2	55.9	56.3	56.0
70% Exceedance	54.7	52.4	49.0	47.2	48.0	51.4	55.8	57.6	56.7	55.6	56.1	55.7
80% Exceedance	54.4	52.1	48.7	46.9	47.6	50.7	55.1	57.1	56.3	55.4	55.9	55.6
90% Exceedance	54.1	51.6	48.0	46.6	47.1	49.3	54.3	56.7	56.0	54.9	55.7	55.3
Full Simulation Period Average^a	56.0	53.1	49.7	48.3	49.0	52.3	56.5	58.5	57.7	56.5	57.3	57.5
Wet Years (28%)	54.3	52.5	50.1	47.4	47.8	50.7	55.3	58.9	58.1	56.3	56.4	55.6
Above Normal Years (14%)	54.7	52.3	49.2	47.7	48.1	51.7	56.5	58.5	57.5	55.5	55.9	55.5
Below Normal Years (18%)	55.6	53.1	49.5	48.0	49.5	53.0	56.8	57.7	57.5	56.1	56.6	57.1
Dry Years (24%)	56.0	53.2	50.0	48.9	49.5	53.1	57.3	58.5	57.0	56.3	56.9	57.4
Critical Years (16%)	60.7	55.1	49.3	49.5	50.4	53.7	57.1	58.6	58.2	58.4	61.3	63.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-5 c. Sacramento River at Bend Bridge, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.9	0.3	0.1	0.2	0.3	-0.2	-0.7	-0.8	-0.2	-0.4	-0.4	0.6
20% Exceedance	0.3	0.6	0.0	0.4	0.1	-0.0	-0.3	-0.7	-0.5	-0.8	-1.0	-0.1
30% Exceedance	0.4	0.1	-0.0	0.3	0.1	-0.1	-0.2	-0.9	-0.4	-0.2	-0.6	-0.7
40% Exceedance	-0.2	-0.0	0.1	0.3	0.1	0.0	-0.4	-0.8	-0.4	-0.2	-0.1	-0.4
50% Exceedance	0.0	-0.0	0.1	0.2	0.1	0.0	-0.2	-0.9	-0.4	-0.3	-0.2	-0.4
60% Exceedance	-0.1	-0.1	0.3	0.1	0.1	0.2	-0.3	-0.8	-0.2	-0.2	-0.1	-0.2
70% Exceedance	-0.1	-0.1	-0.1	0.1	0.1	0.0	-0.1	-0.8	-0.2	-0.2	-0.1	-0.3
80% Exceedance	-0.0	-0.1	0.1	0.1	0.2	0.1	-0.1	-0.9	-0.3	0.0	-0.2	-0.3
90% Exceedance	-0.2	-0.0	0.0	0.1	0.2	0.0	0.0	-0.6	0.0	0.2	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	0.0	-0.2	-0.7	-0.2	-0.3	-0.2	-0.1
Wet Years (28%)	-0.2	0.1	0.3	0.2	0.1	0.0	0.0	-0.8	-0.4	-0.2	-0.2	-0.3
Above Normal Years (14%)	-0.1	-0.1	0.1	0.2	0.1	0.0	-0.2	-0.9	-0.1	-0.1	-0.2	-0.3
Below Normal Years (18%)	0.1	0.2	0.0	0.1	0.2	0.0	-0.3	-0.9	-0.2	0.1	-0.2	-0.5
Dry Years (24%)	-0.0	0.1	0.1	0.3	0.1	0.1	0.1	-0.6	-0.1	-0.3	-0.5	-0.4
Critical Years (16%)	0.7	0.2	-0.2	0.3	0.2	-0.3	-1.1	-0.1	-0.5	-0.6	0.5	1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-6 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-6 b. Sacramento River at Bend Bridge, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.2	55.2	51.0	50.5	50.9	55.0	58.6	60.0	59.9	59.0	58.8	59.5
20% Exceedance	56.8	53.8	50.7	49.6	50.0	54.3	58.2	59.0	59.2	57.6	57.4	58.4
30% Exceedance	56.2	53.3	50.4	49.0	49.8	53.7	58.0	58.6	58.8	57.2	57.0	57.6
40% Exceedance	55.4	53.1	50.0	48.7	49.4	53.2	57.6	58.2	58.4	56.9	56.7	57.2
50% Exceedance	55.2	52.9	49.8	47.9	49.1	52.6	57.2	57.9	58.1	56.4	56.5	57.0
60% Exceedance	55.0	52.7	49.6	47.5	48.6	52.4	56.6	57.6	57.7	56.1	56.2	56.6
70% Exceedance	54.8	52.5	49.3	47.2	48.1	51.4	56.0	57.1	57.0	55.8	56.0	56.2
80% Exceedance	54.6	52.2	48.9	46.9	47.5	50.7	55.2	56.9	56.7	55.6	55.8	55.9
90% Exceedance	54.3	51.8	48.3	46.8	47.0	49.4	54.4	56.5	56.2	55.4	55.6	55.5
Full Simulation Period Average^a	55.8	53.2	49.8	48.3	49.0	52.4	56.8	58.1	58.2	56.7	56.9	57.4
Wet Years (28%)	54.5	52.5	49.9	47.3	47.8	50.6	55.2	58.1	59.2	56.6	56.9	56.2
Above Normal Years (14%)	54.8	52.5	49.4	47.6	48.0	51.6	56.6	57.7	58.7	56.2	56.2	56.1
Below Normal Years (18%)	55.4	52.9	49.5	48.0	49.6	53.1	57.3	57.9	57.8	56.4	56.3	57.3
Dry Years (24%)	56.1	53.3	50.0	48.9	49.4	53.3	57.7	57.9	57.1	56.3	56.4	57.7
Critical Years (16%)	59.1	55.3	49.9	49.8	50.7	54.2	57.6	58.6	58.2	58.5	58.9	60.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-6 c. Sacramento River at Bend Bridge, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.3	-0.2	0.2	0.1	0.4	-0.6	-1.0	0.2	-0.2	-0.9	-0.4
20% Exceedance	-0.3	0.0	-0.1	0.4	0.1	0.4	-0.1	-1.1	-0.1	-0.9	-1.6	-0.4
30% Exceedance	0.3	-0.1	-0.0	0.2	0.2	0.2	0.2	-1.2	0.3	-0.1	-0.6	-0.4
40% Exceedance	-0.2	-0.0	0.0	0.4	0.2	0.1	0.1	-1.3	0.2	0.1	-0.1	-0.0
50% Exceedance	0.1	0.0	0.1	0.1	0.1	0.0	0.3	-1.3	0.1	-0.2	-0.2	0.3
60% Exceedance	0.1	0.1	0.3	0.0	0.1	0.3	0.2	-1.1	0.3	0.0	-0.1	0.4
70% Exceedance	0.0	0.1	0.3	0.1	0.3	-0.0	0.1	-1.3	0.1	0.1	-0.2	0.2
80% Exceedance	0.1	0.1	0.4	0.1	0.1	0.1	0.0	-1.0	0.1	0.2	-0.2	-0.0
90% Exceedance	0.0	0.1	0.3	0.3	0.0	0.1	0.2	-0.8	0.1	0.6	-0.1	-0.0
Full Simulation Period Average^a	-0.2	0.1	0.2	0.2	0.2	0.1	0.0	-1.1	0.3	-0.0	-0.6	-0.2
Wet Years (28%)	-0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	-1.6	0.8	0.1	0.3	0.3
Above Normal Years (14%)	-0.0	0.1	0.3	0.1	0.1	-0.0	-0.0	-1.7	1.0	0.5	0.1	0.3
Below Normal Years (18%)	-0.1	-0.0	0.0	0.1	0.2	0.1	0.2	-0.7	0.1	0.4	-0.5	-0.3
Dry Years (24%)	0.0	0.2	0.1	0.2	0.1	0.4	0.4	-1.2	-0.1	-0.4	-1.1	-0.0
Critical Years (16%)	-1.0	0.4	0.4	0.6	0.5	0.3	-0.5	-0.1	-0.5	-0.6	-1.9	-1.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-7 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-7 b. Sacramento River at Bend Bridge, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	57.5	54.9	52.3	50.0	50.9	54.5	59.4	60.7	60.0	59.3	59.5	59.4
20% Exceedance	56.9	53.6	51.5	49.5	50.0	54.0	58.3	60.0	59.4	58.4	58.2	58.3
30% Exceedance	56.0	53.2	51.1	48.8	49.7	53.6	57.7	59.6	58.7	57.3	57.3	57.4
40% Exceedance	55.3	53.0	50.6	48.3	49.3	53.1	57.4	59.3	58.2	56.9	56.9	57.1
50% Exceedance	55.3	52.7	50.0	47.8	49.0	52.6	56.7	58.8	57.9	56.5	56.8	56.7
60% Exceedance	55.0	52.6	49.7	47.4	48.5	52.1	56.3	58.4	57.6	56.1	56.7	56.5
70% Exceedance	54.8	52.3	49.3	47.2	47.9	51.4	55.9	58.0	56.9	55.7	56.3	56.3
80% Exceedance	54.7	52.0	48.9	46.9	47.4	50.6	55.1	57.5	56.5	55.3	56.2	56.1
90% Exceedance	54.4	51.7	48.3	46.6	46.9	49.2	54.2	56.9	56.1	54.8	55.9	55.9
Full Simulation Period Average^a	55.9	53.0	50.2	48.1	48.9	52.3	56.7	58.8	58.0	56.8	57.3	57.4
Wet Years (28%)	54.7	52.4	50.5	47.2	47.6	50.6	55.2	59.2	58.5	56.5	56.8	56.1
Above Normal Years (14%)	55.2	52.4	49.7	47.5	48.0	51.6	56.7	58.8	57.7	55.6	56.4	56.5
Below Normal Years (18%)	55.5	52.6	49.9	47.9	49.5	53.0	57.0	58.1	57.7	56.1	56.7	57.5
Dry Years (24%)	55.9	52.9	50.5	48.7	49.4	53.0	57.3	58.9	57.1	56.5	57.1	57.3
Critical Years (16%)	59.3	54.9	50.0	49.5	50.4	54.1	58.2	58.8	59.0	59.4	60.0	60.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-7 c. Sacramento River at Bend Bridge, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.8	-0.1	1.1	-0.2	0.1	-0.1	0.1	-0.3	0.3	0.2	-0.2	-0.5
20% Exceedance	-0.2	-0.1	0.7	0.2	0.1	0.1	-0.0	-0.2	0.1	-0.2	-0.8	-0.5
30% Exceedance	0.1	-0.2	0.6	0.1	0.0	0.1	-0.1	-0.2	0.1	0.0	-0.3	-0.6
40% Exceedance	-0.2	-0.2	0.7	0.1	0.1	0.0	-0.1	-0.2	-0.0	0.1	0.1	-0.2
50% Exceedance	0.2	-0.1	0.4	-0.0	-0.0	0.0	-0.1	-0.5	-0.0	-0.0	0.1	0.0
60% Exceedance	0.1	-0.1	0.3	-0.1	0.0	0.0	-0.1	-0.4	0.2	0.0	0.3	0.3
70% Exceedance	0.1	-0.2	0.3	0.0	0.0	-0.1	-0.0	-0.5	0.0	-0.0	0.1	0.3
80% Exceedance	0.2	-0.2	0.4	0.0	-0.0	-0.0	-0.0	-0.5	-0.1	-0.1	0.2	0.2
90% Exceedance	0.1	0.0	0.2	0.1	-0.1	-0.1	-0.0	-0.4	0.1	-0.0	0.2	0.4
Full Simulation Period Average^a	-0.1	-0.1	0.6	0.0	0.0	0.0	-0.0	-0.4	0.1	0.0	-0.1	-0.3
Wet Years (28%)	0.2	0.0	0.7	-0.1	-0.0	-0.1	-0.0	-0.5	0.1	0.0	0.2	0.3
Above Normal Years (14%)	0.3	-0.0	0.6	0.0	0.0	-0.1	0.0	-0.6	0.1	-0.0	0.2	0.7
Below Normal Years (18%)	-0.0	-0.3	0.4	0.0	0.1	0.0	-0.2	-0.5	-0.0	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.2	0.6	0.0	0.0	0.0	-0.0	-0.2	0.0	-0.2	-0.3	-0.5
Critical Years (16%)	-0.8	0.1	0.5	0.2	0.1	0.2	-0.0	0.1	0.4	0.4	-0.7	-1.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-8 a. Sacramento River at Bend Bridge, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.3	55.0	51.2	50.2	50.8	54.6	59.3	61.0	59.7	59.2	59.6	60.0
20% Exceedance	57.0	53.7	50.8	49.3	49.9	53.9	58.3	60.2	59.3	58.5	59.0	58.9
30% Exceedance	55.9	53.4	50.4	48.7	49.7	53.5	57.8	59.8	58.6	57.3	57.6	58.0
40% Exceedance	55.6	53.2	50.0	48.2	49.2	53.1	57.4	59.5	58.3	56.8	56.8	57.3
50% Exceedance	55.1	52.9	49.7	47.8	49.0	52.6	56.9	59.2	58.0	56.6	56.7	56.7
60% Exceedance	54.9	52.6	49.3	47.5	48.5	52.0	56.4	58.8	57.4	56.1	56.4	56.2
70% Exceedance	54.8	52.5	49.0	47.1	47.9	51.4	55.9	58.5	56.9	55.8	56.2	56.0
80% Exceedance	54.5	52.2	48.5	46.9	47.5	50.6	55.1	58.0	56.6	55.4	56.0	55.9
90% Exceedance	54.3	51.6	48.0	46.5	47.0	49.3	54.3	57.3	56.0	54.8	55.7	55.5
Full Simulation Period Average^a	56.0	53.0	49.6	48.1	48.8	52.3	56.7	59.2	57.9	56.7	57.4	57.6
Wet Years (28%)	54.5	52.4	49.8	47.2	47.7	50.7	55.2	59.7	58.4	56.5	56.6	55.9
Above Normal Years (14%)	54.8	52.4	49.1	47.5	47.9	51.6	56.6	59.4	57.6	55.6	56.1	55.8
Below Normal Years (18%)	55.5	52.9	49.5	47.9	49.4	53.0	57.1	58.6	57.7	56.0	56.8	57.6
Dry Years (24%)	56.0	53.2	49.9	48.7	49.4	52.9	57.3	59.1	57.1	56.6	57.4	57.8
Critical Years (16%)	60.0	54.9	49.5	49.3	50.2	53.9	58.2	58.7	58.6	59.1	60.7	62.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-8 b. Sacramento River at Bend Bridge, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.2	55.4	51.3	50.3	51.1	54.7	58.9	60.7	59.4	58.8	58.8	59.9
20% Exceedance	57.1	54.0	50.7	49.6	50.2	54.1	58.4	59.2	58.8	57.8	57.8	58.3
30% Exceedance	56.1	53.4	50.4	49.0	49.9	53.6	57.8	59.0	58.2	57.0	57.0	57.3
40% Exceedance	55.3	53.1	50.2	48.7	49.4	53.2	57.2	58.7	57.9	56.5	56.7	56.8
50% Exceedance	55.1	52.8	49.8	48.0	49.2	52.7	56.7	58.4	57.5	56.2	56.5	56.6
60% Exceedance	54.9	52.7	49.6	47.6	48.7	52.2	56.3	58.0	57.2	55.9	56.3	56.3
70% Exceedance	54.7	52.5	49.1	47.3	48.1	51.4	55.8	57.7	56.9	55.6	56.1	56.0
80% Exceedance	54.4	52.2	48.8	47.0	47.6	50.7	55.1	57.1	56.4	55.4	55.9	55.8
90% Exceedance	54.2	51.8	48.0	46.8	47.0	49.4	54.4	56.6	56.1	54.9	55.7	55.5
Full Simulation Period Average^a	55.9	53.2	49.8	48.3	49.0	52.4	56.7	58.4	57.7	56.6	57.0	57.3
Wet Years (28%)	54.5	52.6	50.1	47.4	47.8	50.7	55.2	59.0	58.1	56.3	56.5	55.7
Above Normal Years (14%)	54.8	52.3	49.4	47.7	48.1	51.6	56.5	58.5	57.6	55.5	56.1	56.5
Below Normal Years (18%)	55.6	53.0	49.6	48.1	49.6	53.0	56.7	57.6	57.5	56.0	56.5	57.1
Dry Years (24%)	55.9	53.1	50.0	48.9	49.5	53.2	57.5	58.3	56.9	56.3	56.8	57.1
Critical Years (16%)	60.0	55.3	49.4	49.6	50.7	54.1	57.9	58.4	58.3	58.9	59.4	61.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-11-8 c. Sacramento River at Bend Bridge, Action 5 Minus NAA, Monthly Temperature (DEG-F)

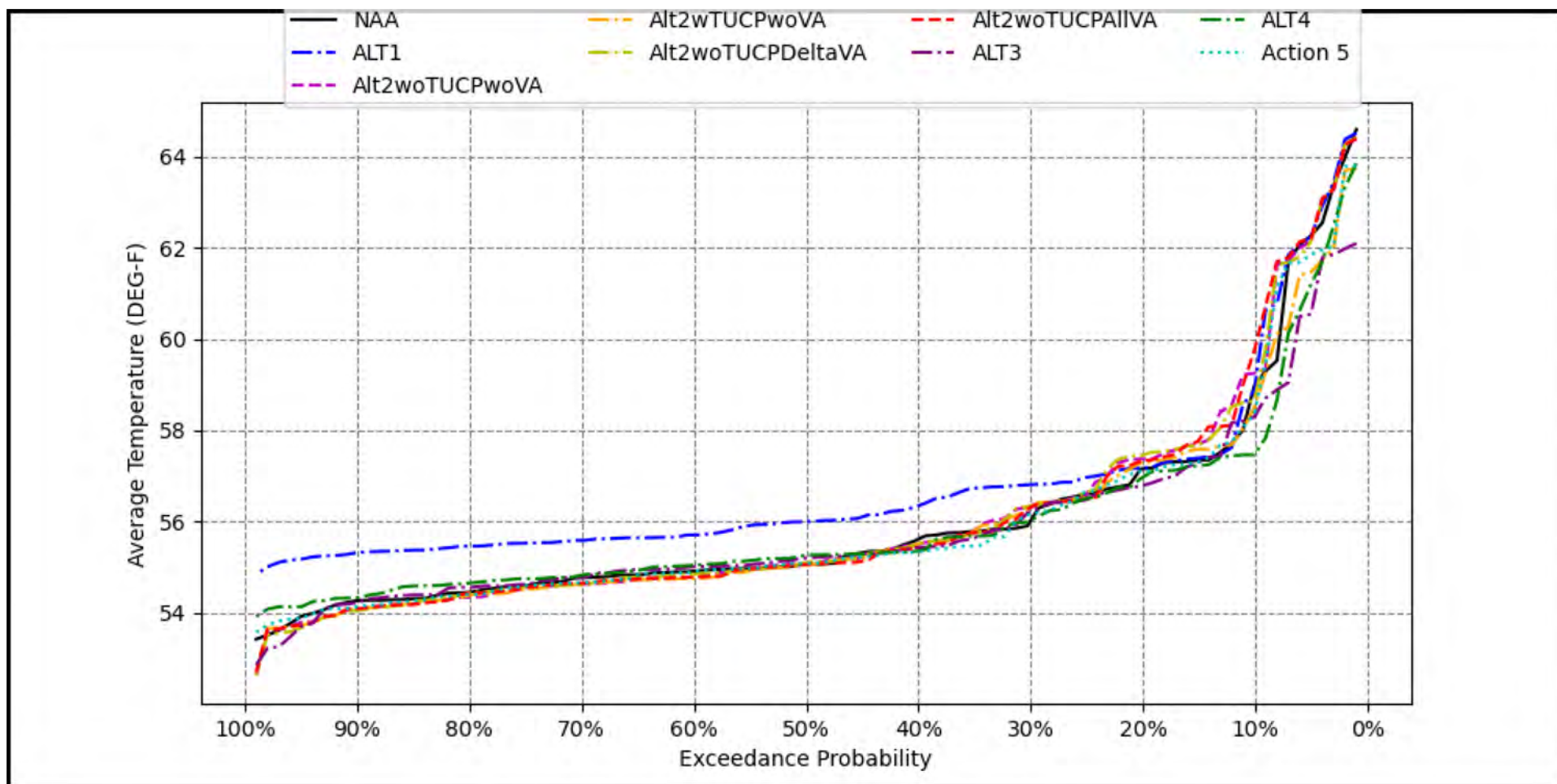
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.4	0.2	0.0	0.3	0.1	-0.4	-0.3	-0.3	-0.4	-0.8	-0.1
20% Exceedance	0.1	0.2	-0.1	0.3	0.2	0.2	0.1	-1.0	-0.5	-0.8	-1.2	-0.5
30% Exceedance	0.2	0.0	-0.0	0.3	0.2	0.2	-0.0	-0.9	-0.4	-0.3	-0.6	-0.7
40% Exceedance	-0.3	-0.1	0.2	0.5	0.2	0.1	-0.2	-0.8	-0.4	-0.3	-0.1	-0.4
50% Exceedance	0.0	-0.0	0.1	0.2	0.1	0.1	-0.2	-0.9	-0.5	-0.3	-0.2	-0.1
60% Exceedance	-0.0	0.0	0.2	0.1	0.2	0.2	-0.1	-0.7	-0.2	-0.1	-0.0	0.0
70% Exceedance	-0.1	0.0	0.1	0.1	0.2	0.0	-0.2	-0.8	-0.1	-0.2	-0.1	-0.0
80% Exceedance	-0.1	0.0	0.3	0.1	0.1	0.0	-0.1	-0.8	-0.2	0.0	-0.1	-0.1
90% Exceedance	-0.1	0.2	-0.0	0.3	0.0	0.0	0.1	-0.7	0.0	0.1	-0.0	-0.0
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.1	-0.7	-0.2	-0.2	-0.5	-0.4
Wet Years (28%)	-0.1	0.1	0.3	0.1	0.1	-0.0	-0.0	-0.8	-0.3	-0.2	-0.2	-0.1
Above Normal Years (14%)	-0.0	-0.1	0.3	0.2	0.2	-0.0	-0.1	-0.9	-0.0	-0.1	-0.0	0.7
Below Normal Years (18%)	0.0	0.1	0.0	0.2	0.2	0.1	-0.4	-1.0	-0.1	0.0	-0.3	-0.6
Dry Years (24%)	-0.2	-0.0	0.1	0.2	0.1	0.2	0.2	-0.8	-0.2	-0.3	-0.6	-0.6
Critical Years (16%)	-0.0	0.4	-0.1	0.3	0.4	0.2	-0.3	-0.3	-0.3	-0.2	-1.4	-1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

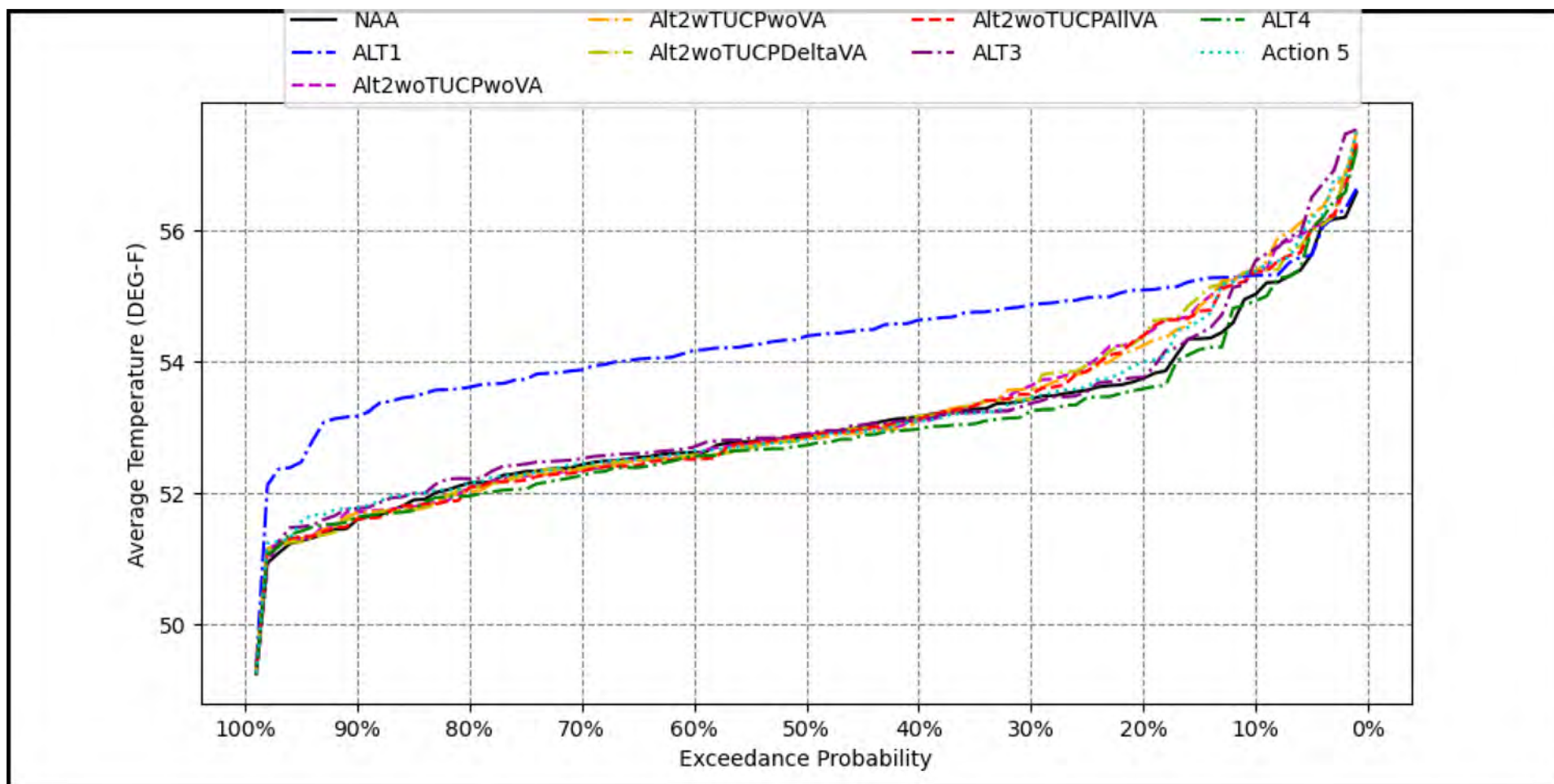
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



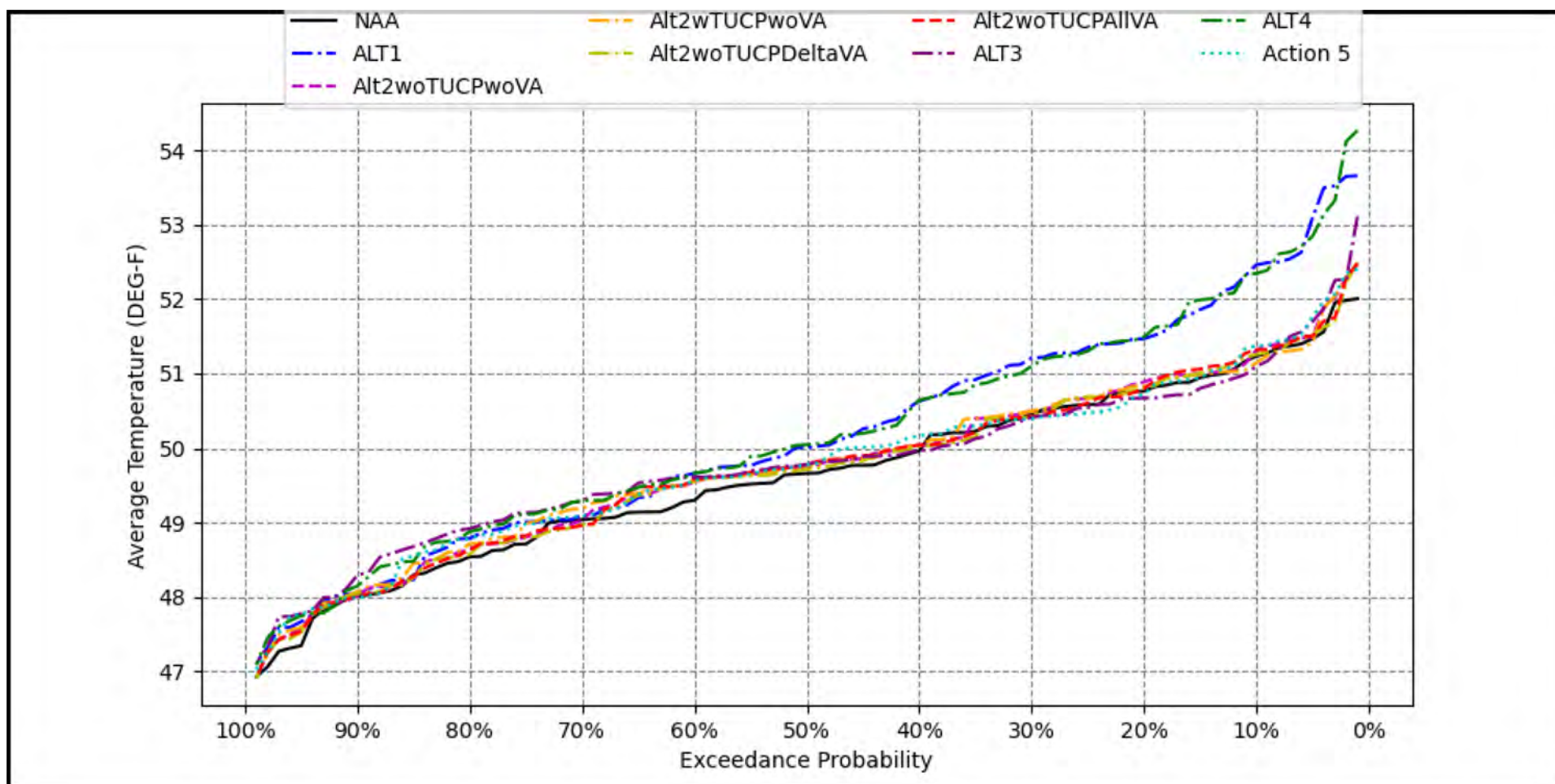
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-1 Sacramento River at Bend Bridge, October Temperature



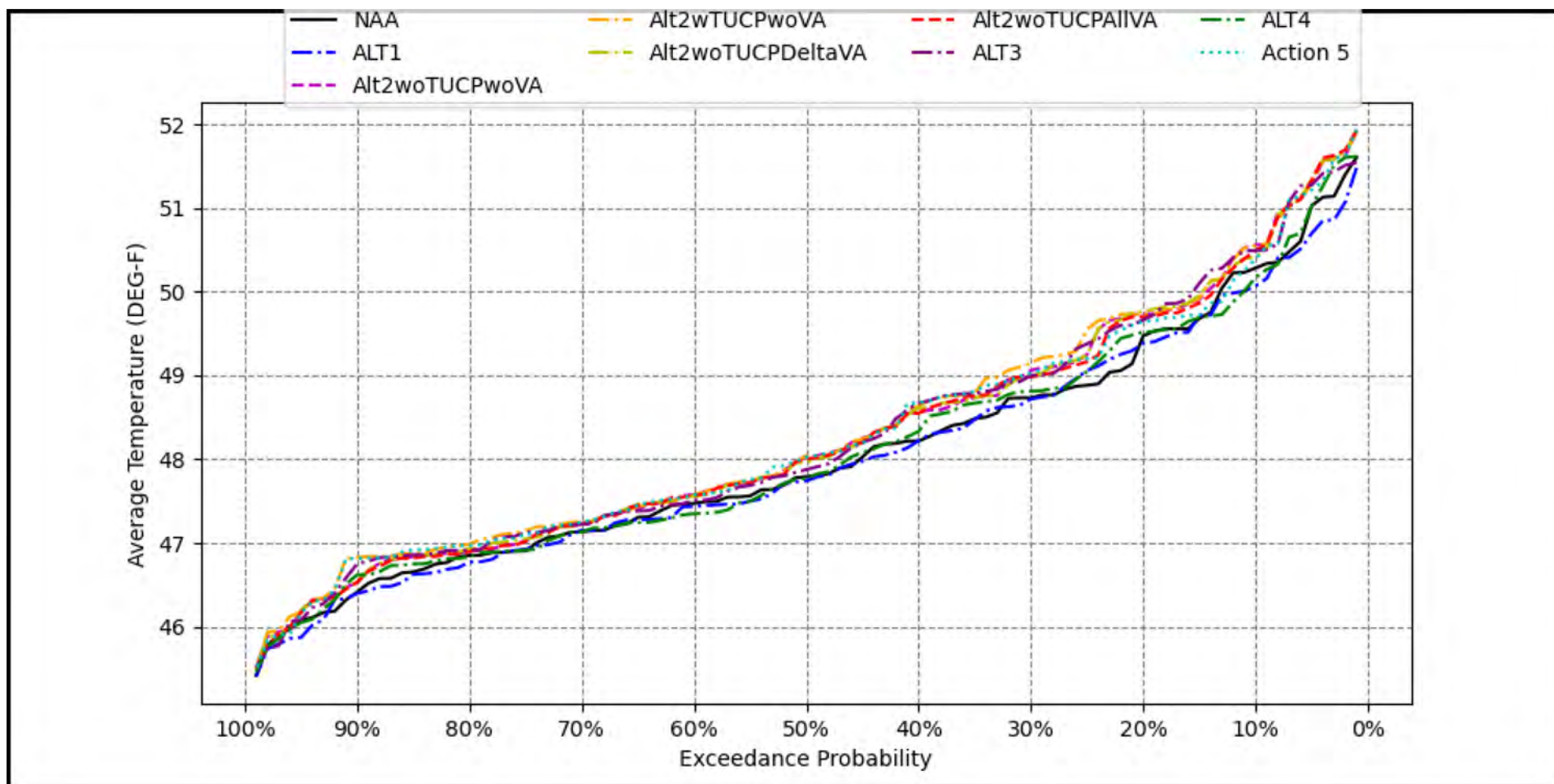
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-2 Sacramento River at Bend Bridge, November Temperature



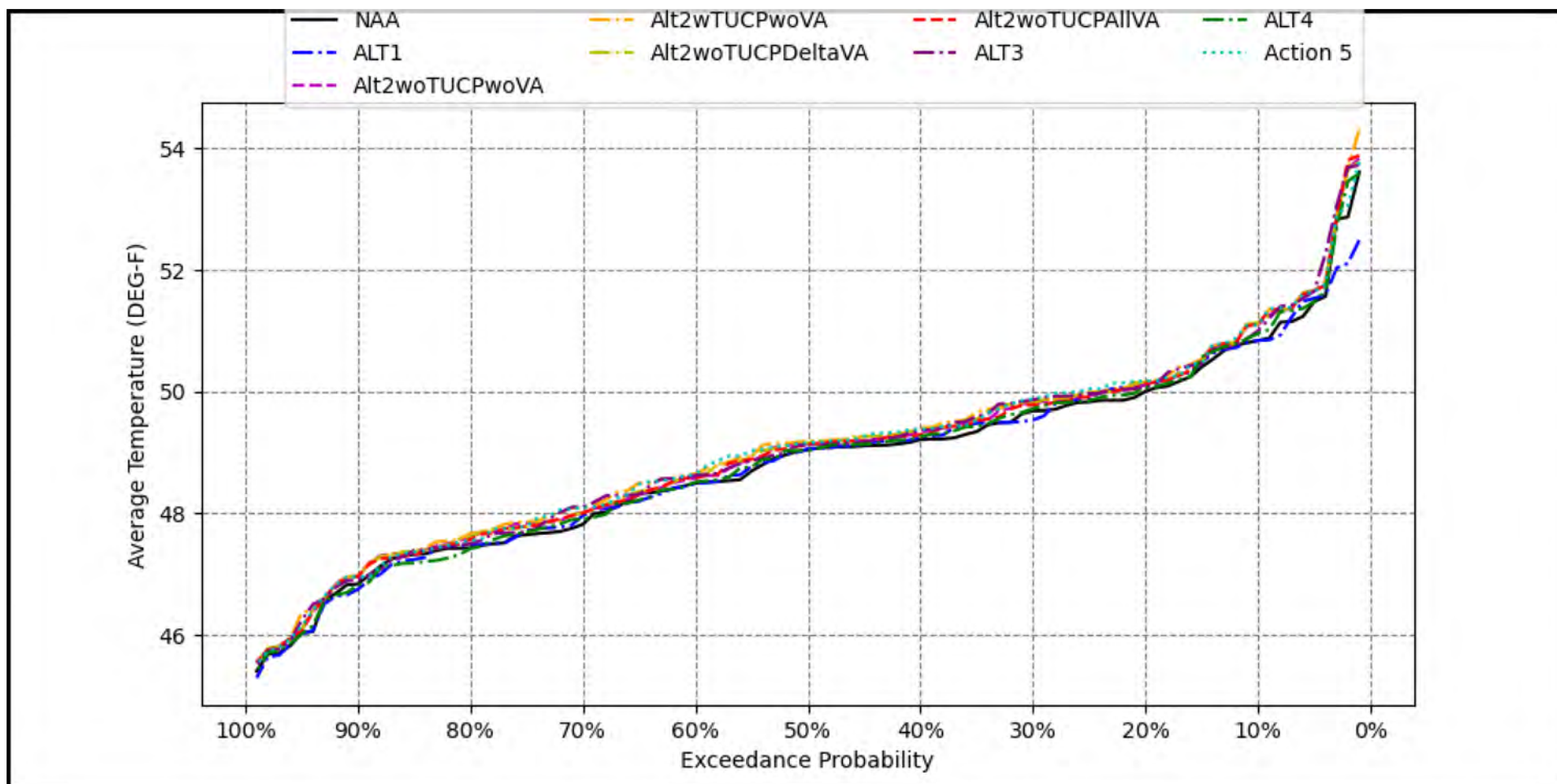
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-3 Sacramento River at Bend Bridge, December Temperature



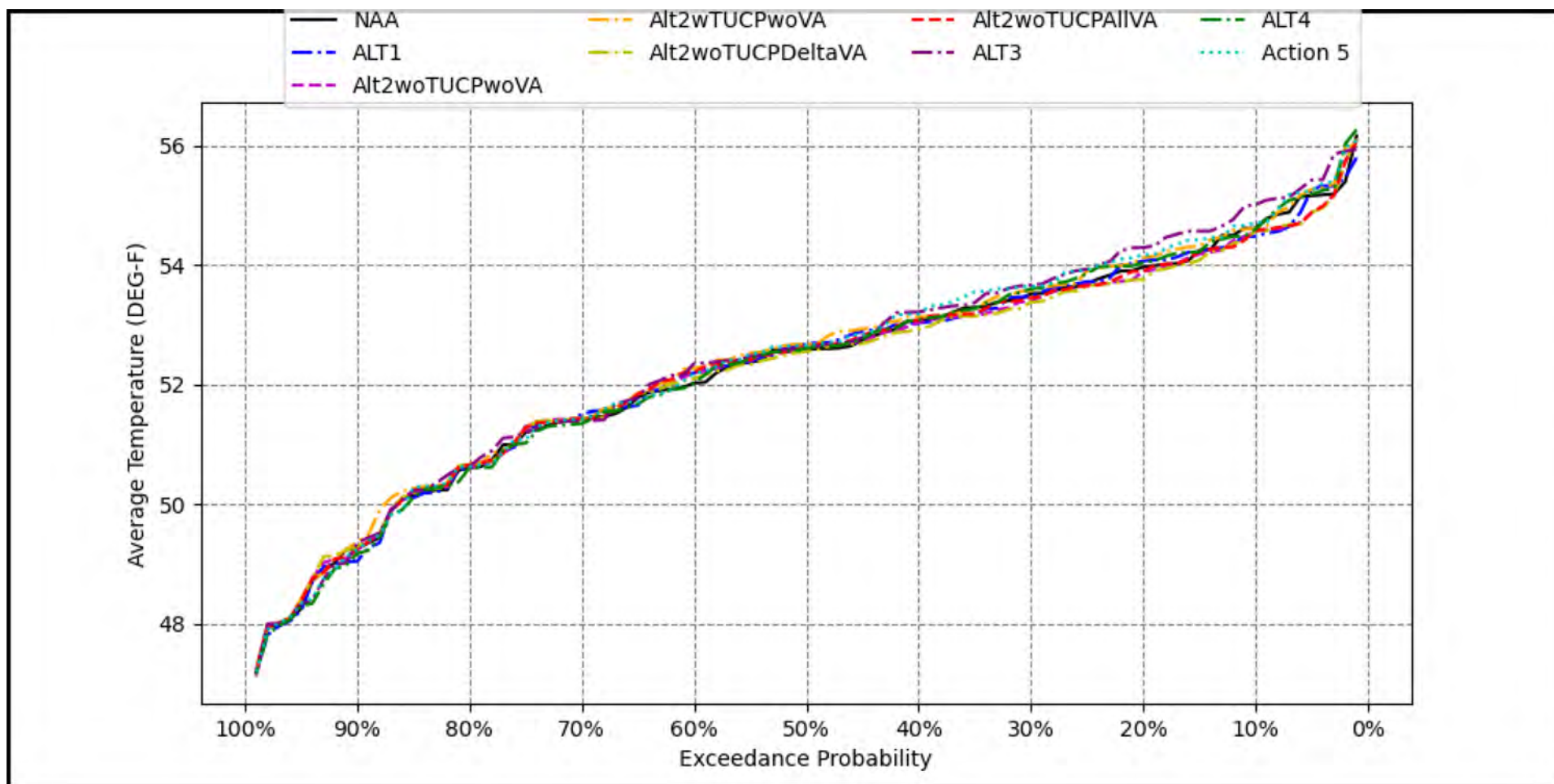
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-4 Sacramento River at Bend Bridge, January Temperature



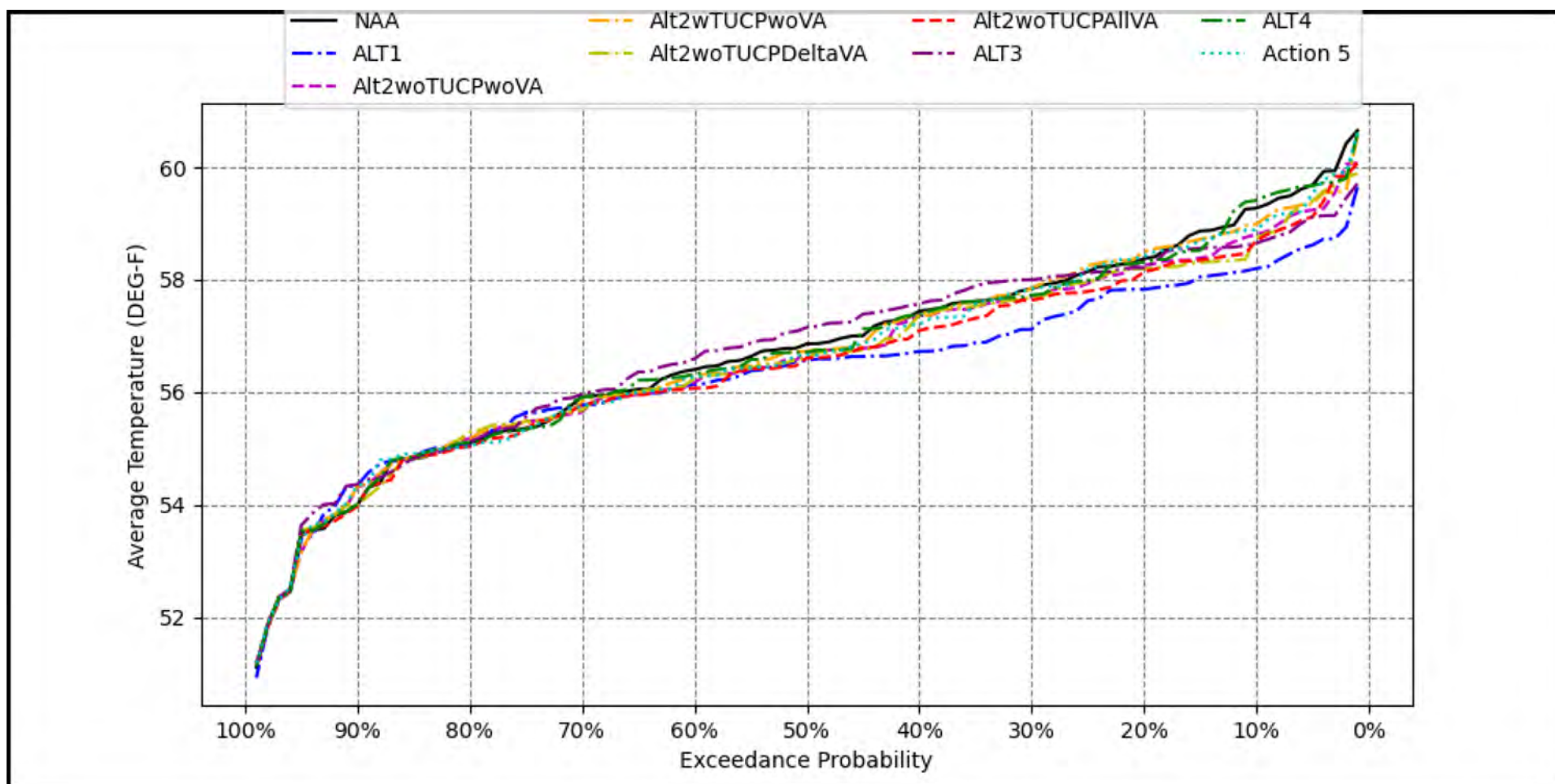
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-5 Sacramento River at Bend Bridge, February Temperature



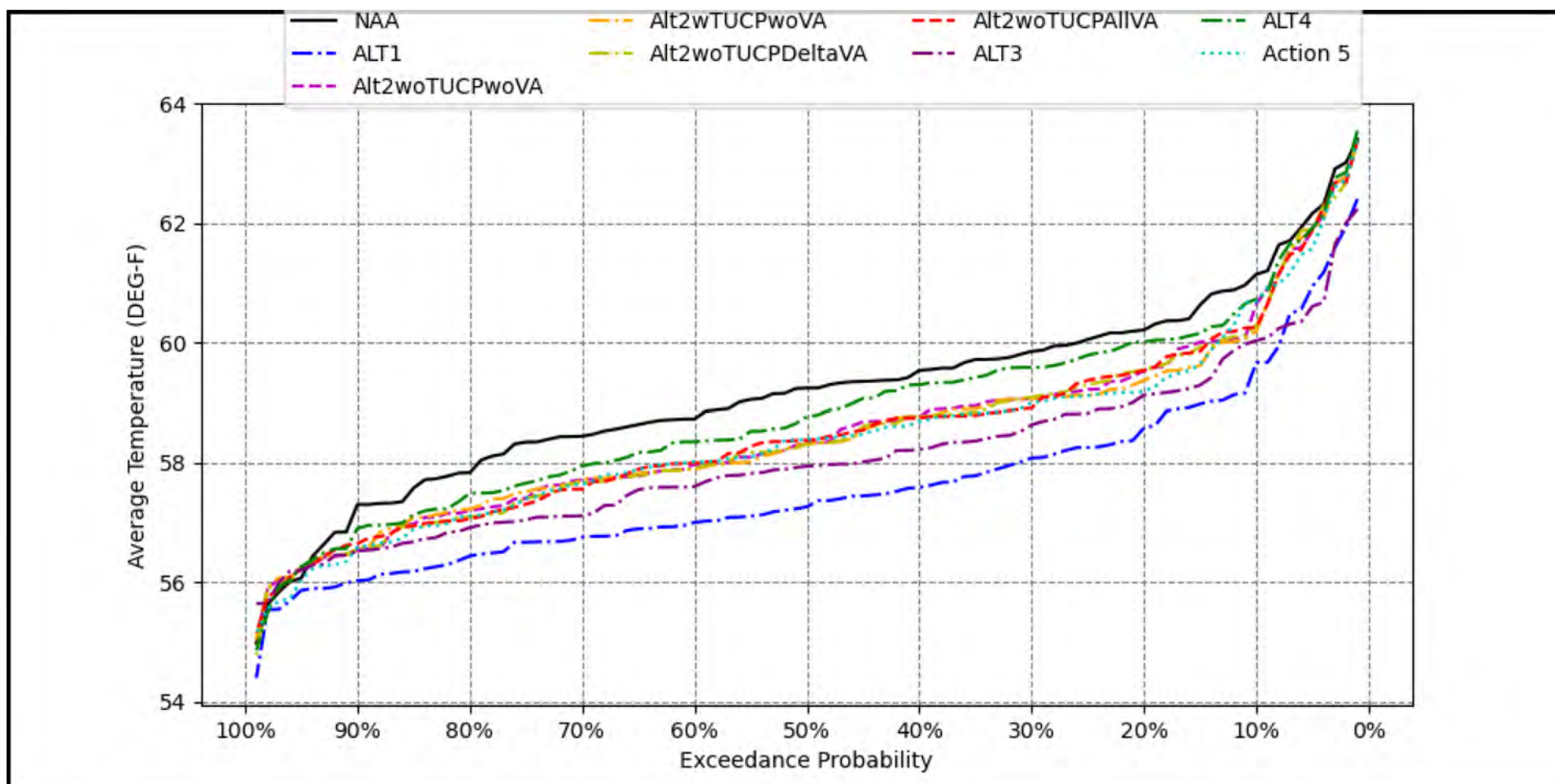
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-6 Sacramento River at Bend Bridge, March Temperature



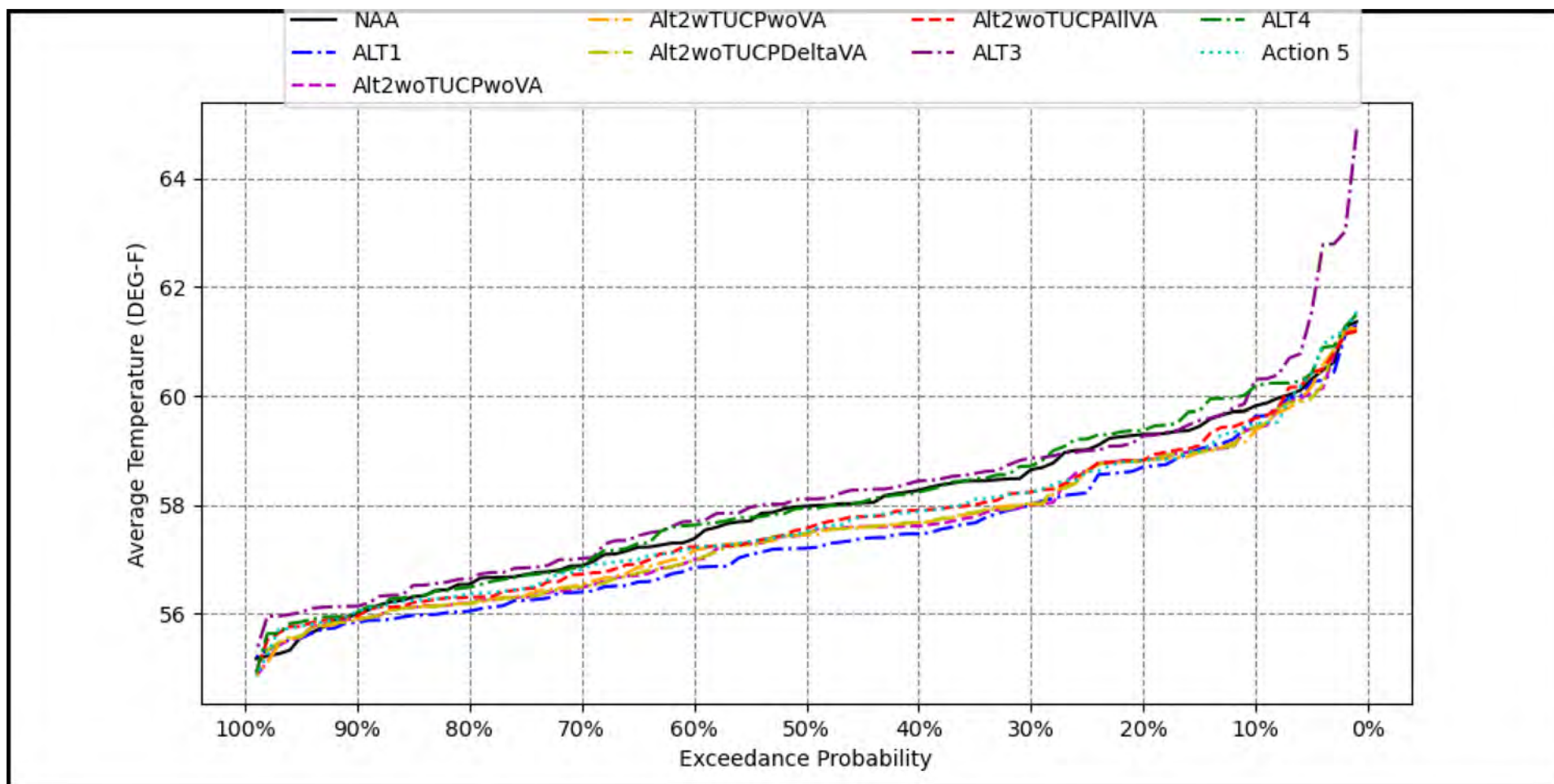
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-7 Sacramento River at Bend Bridge, April Temperature



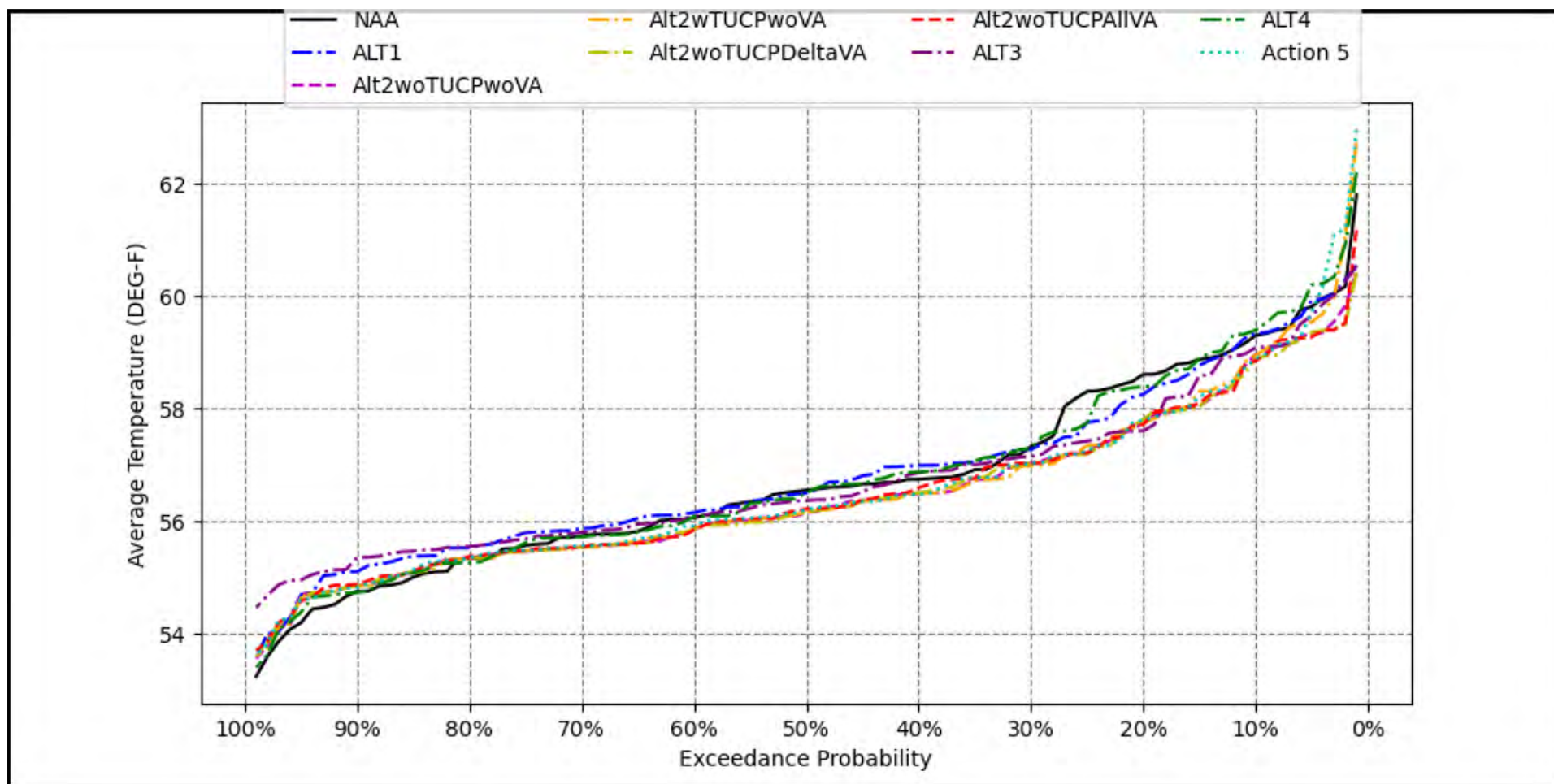
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-8 Sacramento River at Bend Bridge, May Temperature



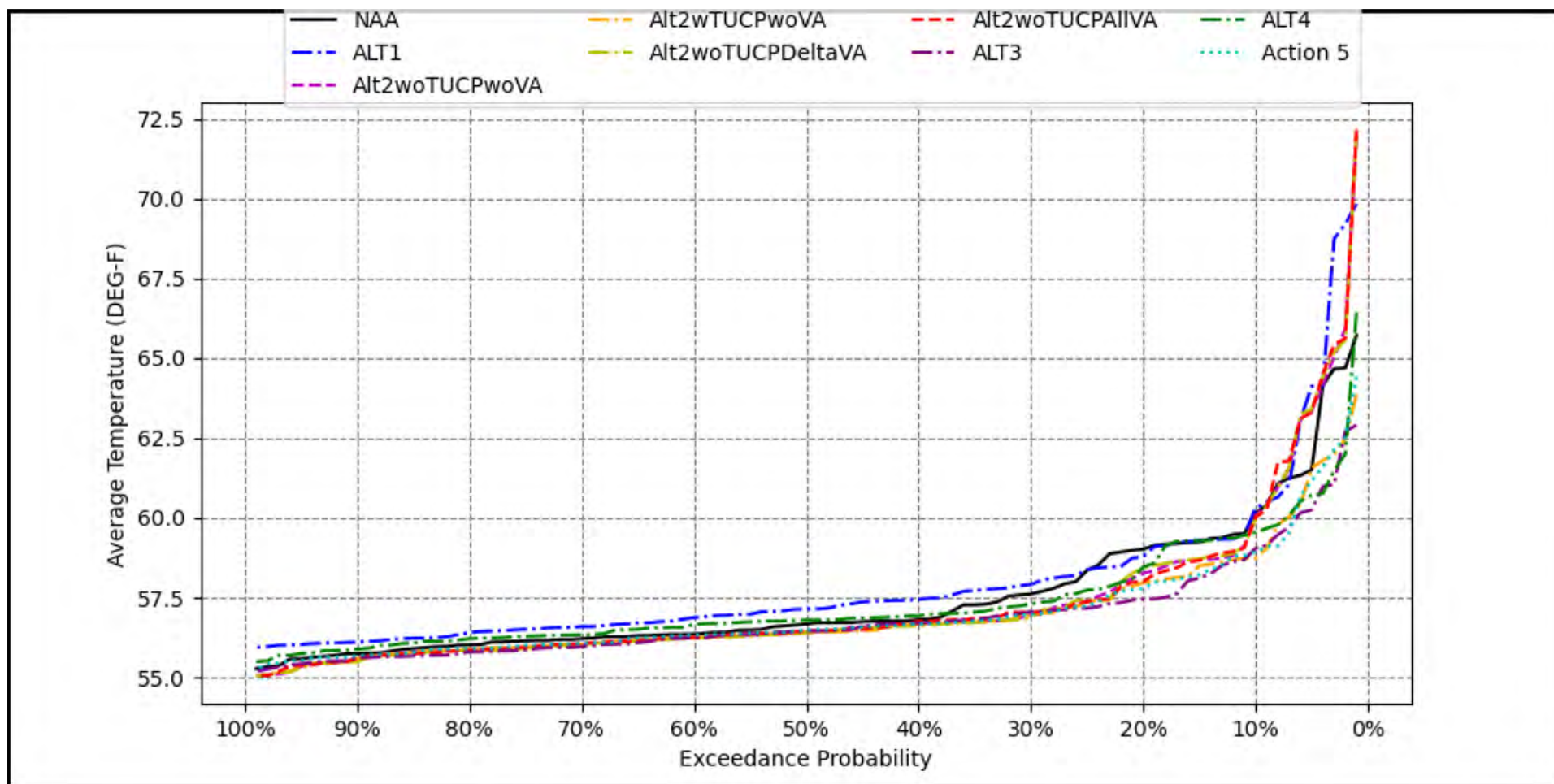
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-9 Sacramento River at Bend Bridge, June Temperature



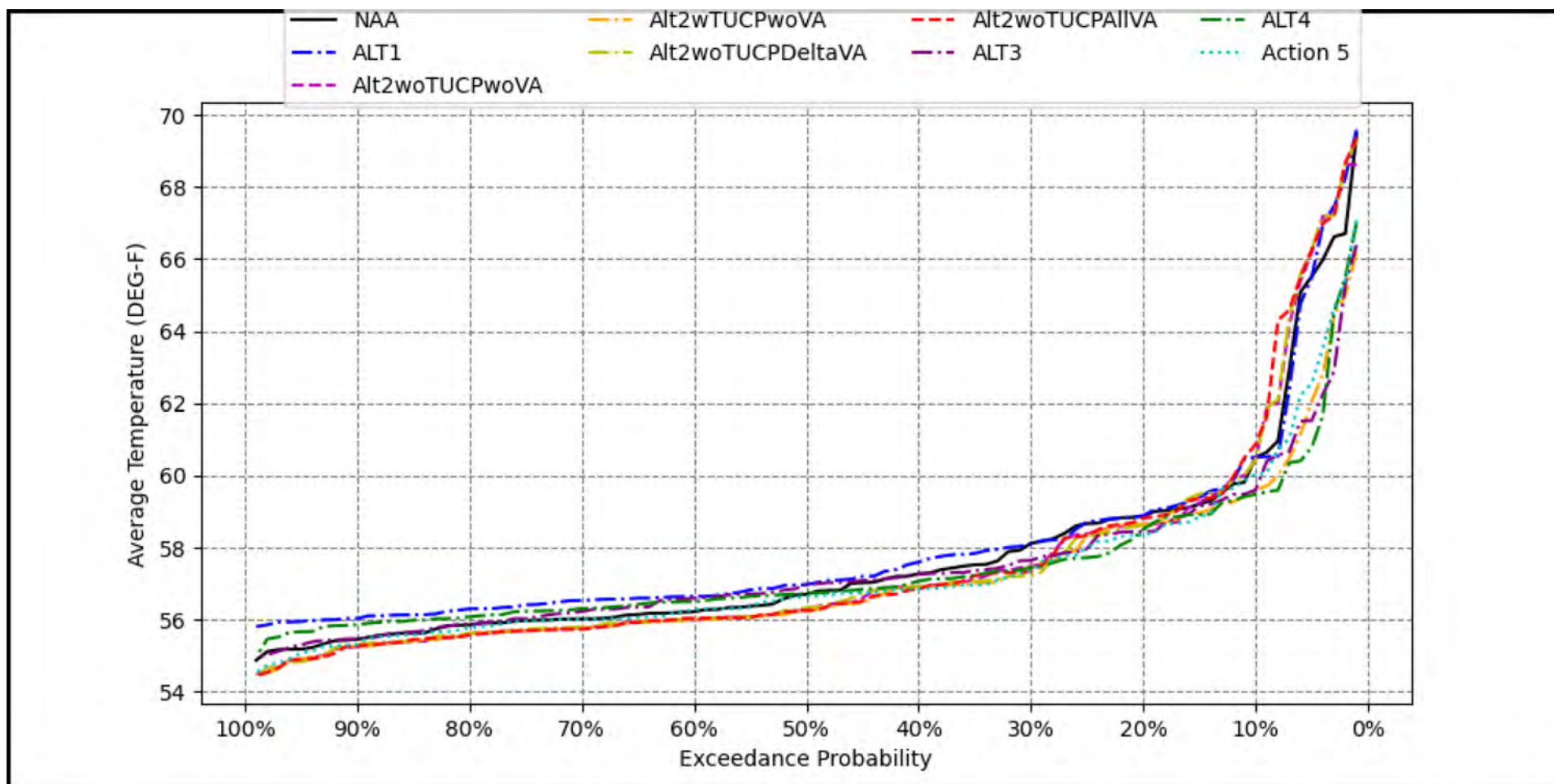
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-10 Sacramento River at Bend Bridge, July Temperature



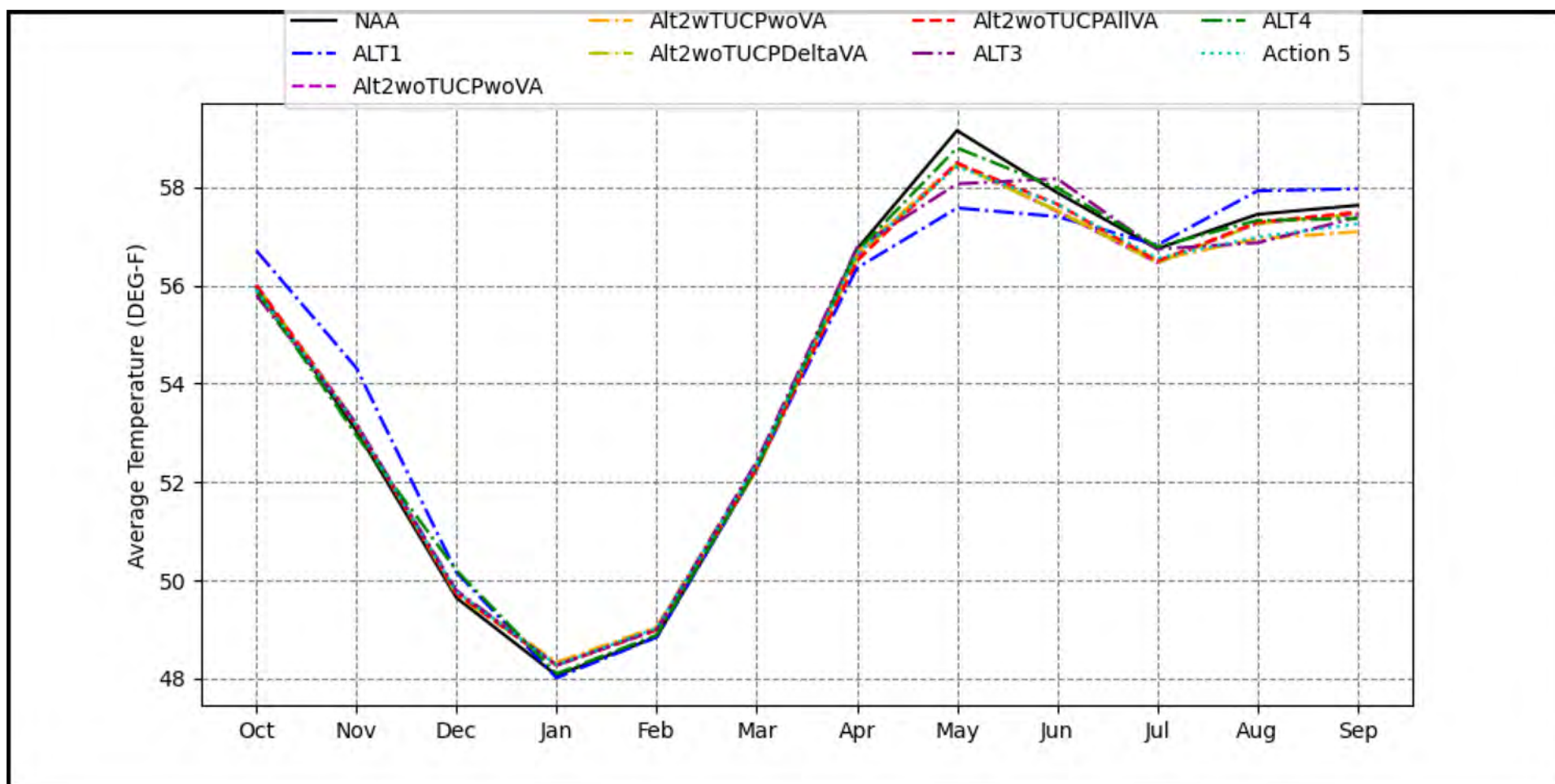
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-11 Sacramento River at Bend Bridge, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-12 Sacramento River at Bend Bridge, September Temperature

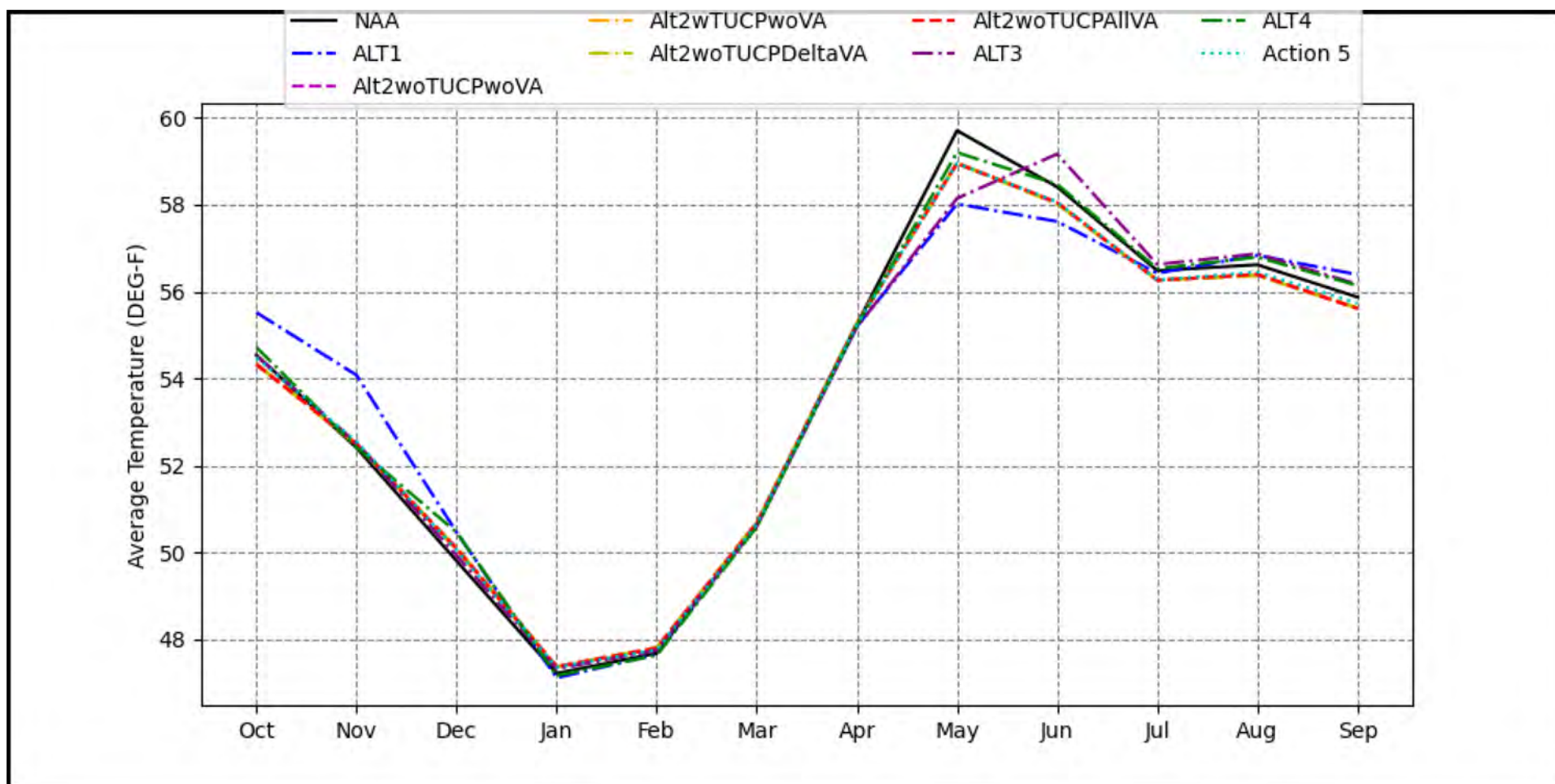


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-13 Sacramento River at Bend Bridge, Long Term Average Temperature (DEG-F)

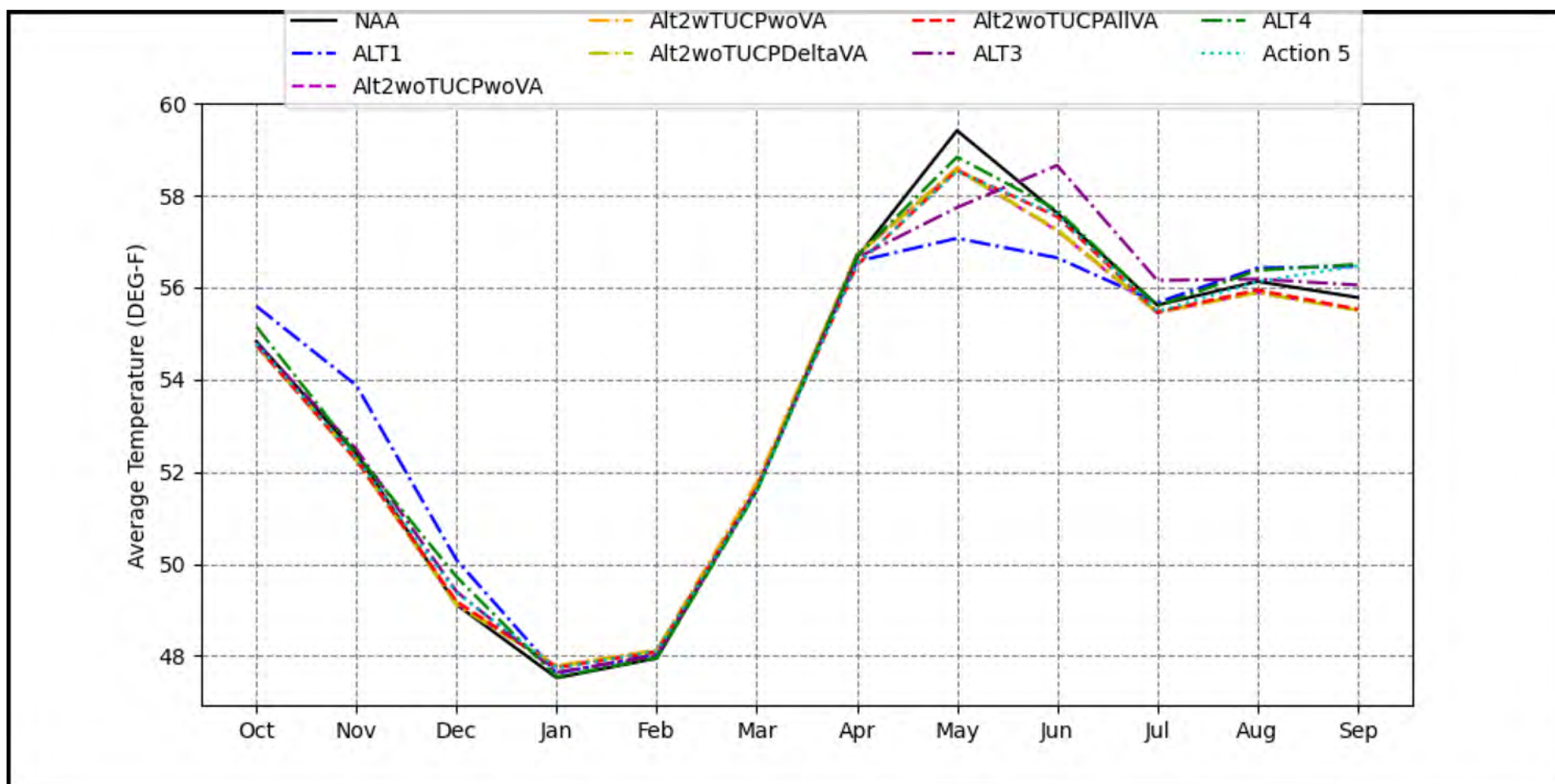


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-14 Sacramento River at Bend Bridge, Wet Year Average Temperature (DEG-F)

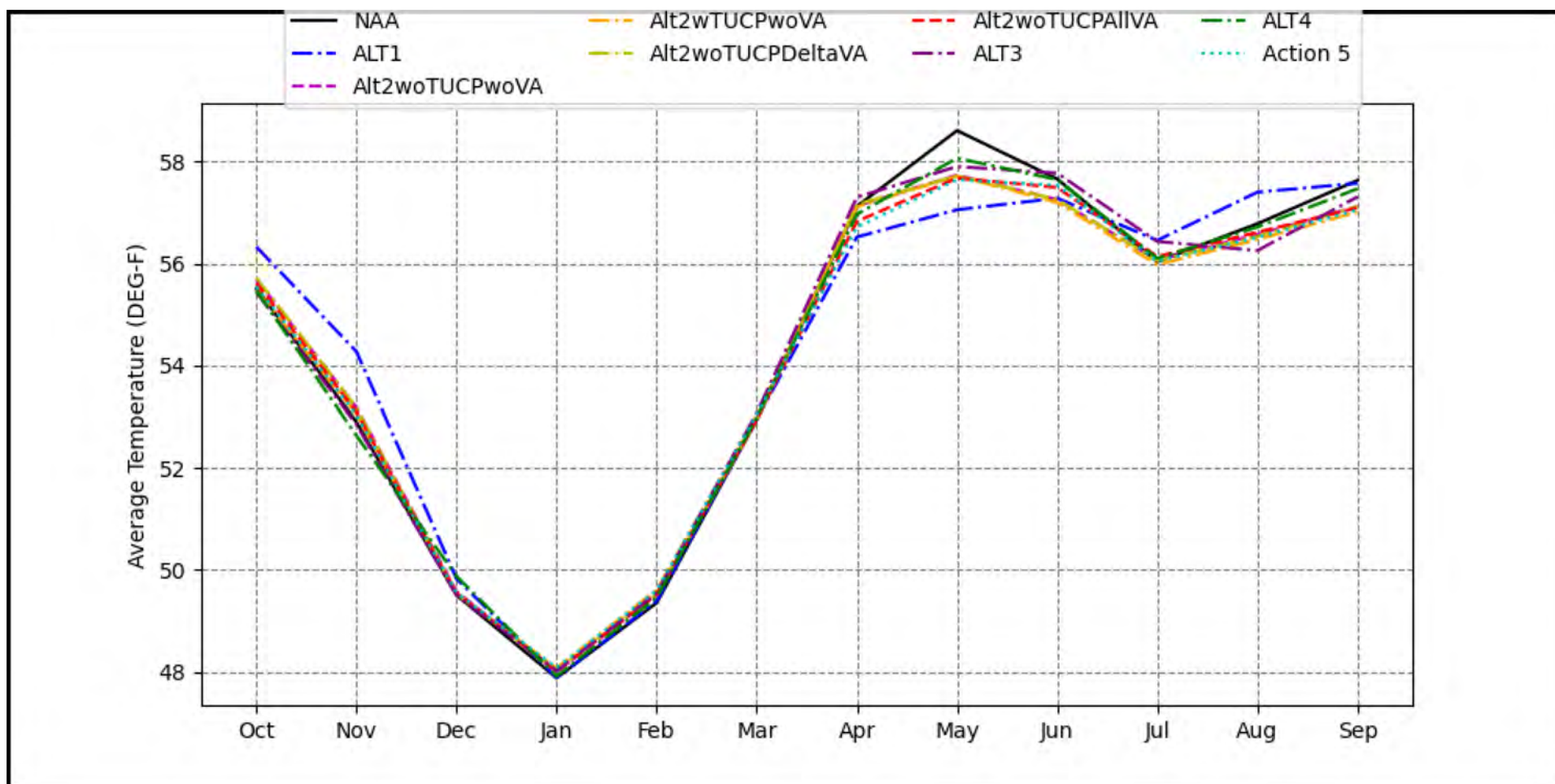


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-15 Sacramento River at Bend Bridge, Above Normal Year Average Temperature (DEG-F)

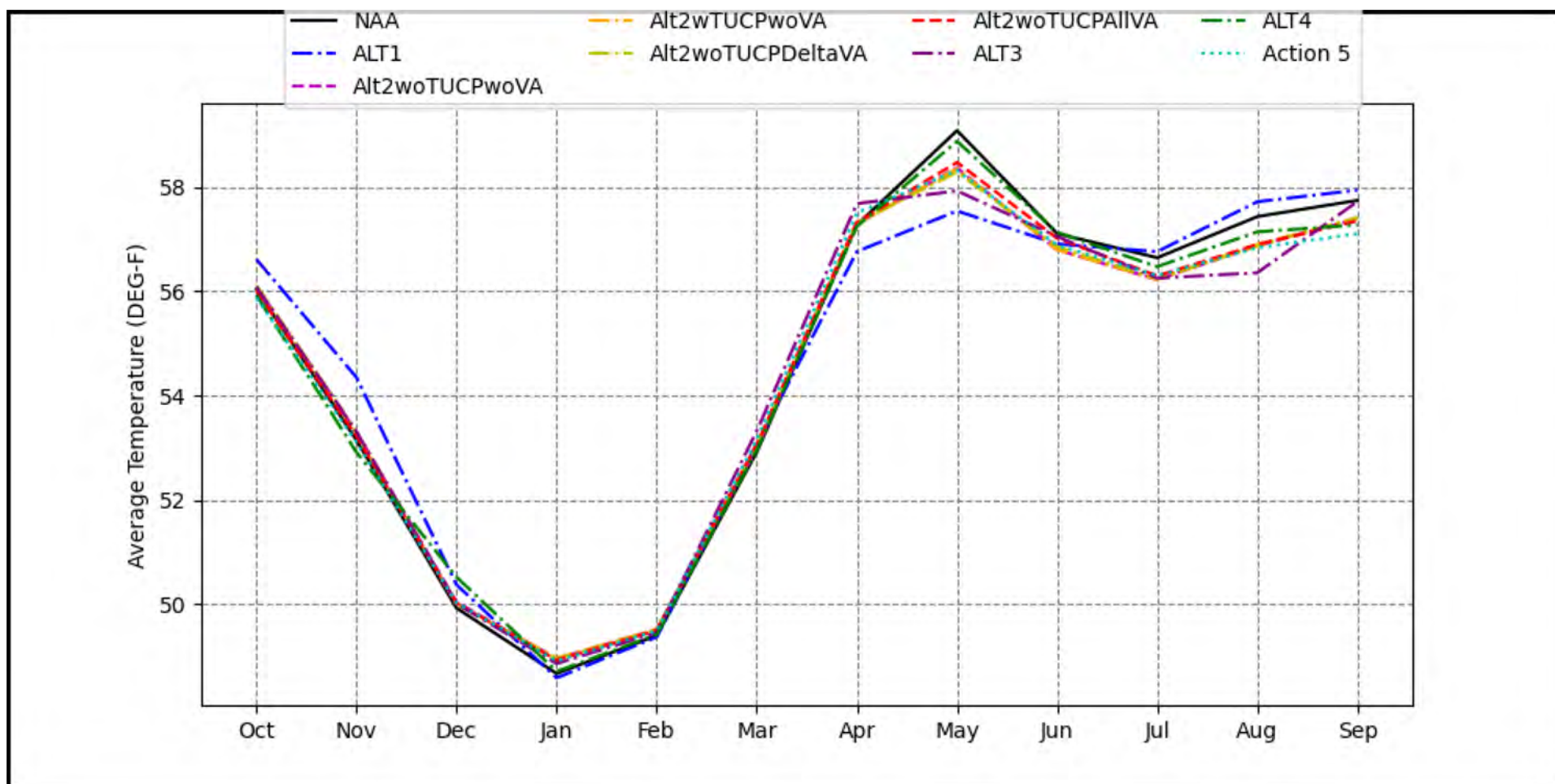


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-16 Sacramento River at Bend Bridge, Below Normal Year Average Temperature (DEG-F)

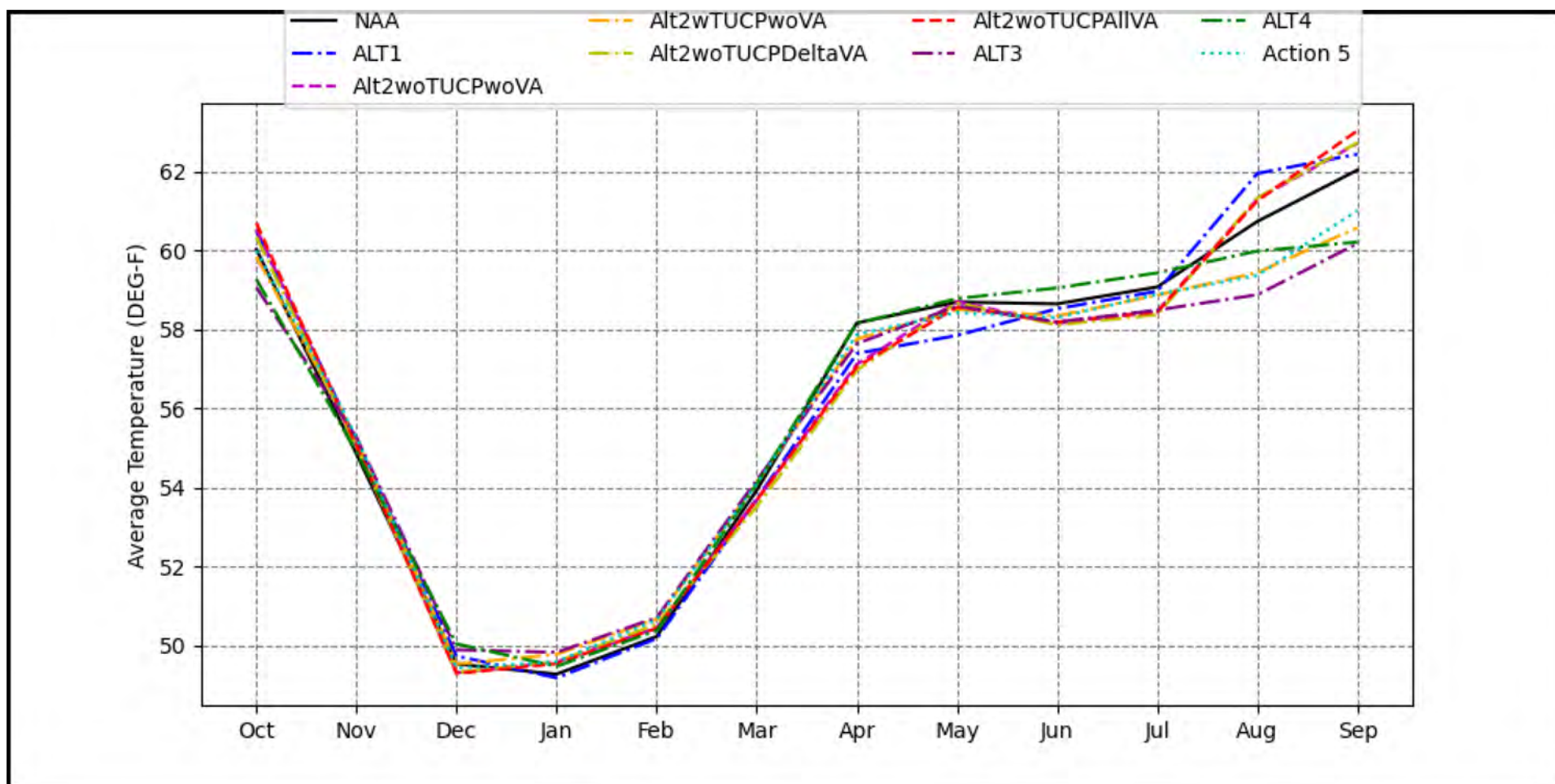


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-17 Sacramento River at Bend Bridge, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-11-18 Sacramento River at Bend Bridge, Critical Year Average Temperature (DEG-F)

F.2.11-12 Sacramento River at Red Bluff

Table F.2.11-12-1 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-1 b. Sacramento River at Red Bluff, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.6	55.5	52.3	50.3	51.2	55.3	59.4	60.7	61.4	61.0	61.6	61.8
20% Exceedance	58.0	55.2	51.4	49.4	50.6	54.7	59.0	59.9	60.5	60.0	60.7	60.7
30% Exceedance	57.6	55.0	51.0	48.9	50.0	54.2	58.2	59.4	59.8	59.2	59.6	59.7
40% Exceedance	57.1	54.7	50.5	48.4	49.7	53.7	57.8	58.9	59.3	58.6	59.2	59.2
50% Exceedance	56.7	54.5	50.0	48.0	49.4	53.2	57.4	58.5	59.1	58.1	58.8	58.6
60% Exceedance	56.5	54.4	49.7	47.5	48.8	52.7	57.1	58.3	58.5	57.7	58.5	58.2
70% Exceedance	56.3	54.2	49.2	47.2	48.3	52.0	56.7	58.1	58.0	57.3	58.3	58.0
80% Exceedance	56.1	53.8	48.8	46.9	47.7	51.0	55.9	57.6	57.6	57.0	58.1	57.7
90% Exceedance	55.8	53.4	48.2	46.5	47.0	49.6	55.2	57.0	57.2	56.6	57.8	57.4
Full Simulation Period Average^a	57.4	54.5	50.1	48.1	49.2	52.9	57.3	58.9	59.2	58.4	59.6	59.5
Wet Years (28%)	56.1	54.2	50.4	47.2	47.9	51.1	55.9	59.3	59.5	58.1	58.6	57.8
Above Normal Years (14%)	56.3	54.0	50.1	47.7	48.3	52.1	57.5	58.4	58.4	57.1	58.1	58.0
Below Normal Years (18%)	57.1	54.5	49.8	48.0	49.7	53.6	57.5	58.2	59.0	58.0	59.0	59.2
Dry Years (24%)	57.4	54.5	50.3	48.7	49.7	53.7	57.8	58.9	58.6	58.3	59.4	59.6
Critical Years (16%)	61.1	55.3	49.8	49.4	50.7	54.6	58.6	59.2	60.3	60.7	63.6	63.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-1 c. Sacramento River at Red Bluff, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.1	1.2	-0.2	0.0	-0.2	-1.0	-1.6	-0.4	-0.1	0.1	0.0
20% Exceedance	0.1	1.2	0.8	0.1	0.2	0.0	-0.5	-1.5	-0.8	-0.5	-0.2	0.1
30% Exceedance	0.7	1.3	0.6	-0.0	-0.0	0.0	-0.7	-1.7	-0.7	0.0	0.2	0.1
40% Exceedance	0.7	1.3	0.5	-0.0	0.1	-0.1	-0.6	-1.8	-0.8	0.1	0.5	0.2
50% Exceedance	0.9	1.3	0.4	0.1	0.0	0.0	-0.4	-1.8	-0.7	-0.1	0.5	0.3
60% Exceedance	0.8	1.5	0.3	-0.0	-0.0	0.1	-0.2	-1.6	-0.9	0.2	0.5	0.5
70% Exceedance	0.8	1.5	0.1	-0.0	0.1	0.2	0.1	-1.5	-0.5	0.2	0.5	0.6
80% Exceedance	0.9	1.4	0.2	-0.1	-0.0	-0.0	0.0	-1.5	-0.6	0.3	0.5	0.4
90% Exceedance	0.9	1.5	0.0	0.0	-0.1	-0.1	0.5	-1.1	-0.5	0.5	0.7	0.7
Full Simulation Period Average^a	0.7	1.2	0.5	-0.0	-0.0	-0.0	-0.3	-1.5	-0.5	0.1	0.5	0.4
Wet Years (28%)	0.9	1.6	0.6	-0.1	-0.0	-0.0	-0.0	-1.6	-0.8	-0.0	0.3	0.6
Above Normal Years (14%)	0.8	1.4	0.9	0.1	0.1	0.0	0.0	-2.2	-1.1	0.1	0.5	0.9
Below Normal Years (18%)	0.7	1.3	0.3	0.0	0.0	0.0	-0.5	-1.4	-0.5	0.4	0.7	-0.2
Dry Years (24%)	0.5	1.1	0.4	-0.1	-0.0	0.1	-0.5	-1.4	-0.2	0.1	0.3	0.2
Critical Years (16%)	0.4	0.3	0.2	-0.1	-0.0	-0.2	-0.8	-0.8	-0.1	-0.3	1.2	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-2 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-2 b. Sacramento River at Red Bluff, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.9	55.5	51.2	50.6	51.5	55.3	59.7	61.7	61.4	60.6	61.6	62.0
20% Exceedance	58.1	54.6	50.7	49.8	50.5	54.7	59.2	60.9	60.8	59.6	60.1	60.3
30% Exceedance	57.2	53.9	50.4	49.2	50.1	54.1	58.5	60.4	59.9	58.8	58.8	59.2
40% Exceedance	56.4	53.3	50.0	48.8	49.7	53.7	58.2	60.1	59.7	58.3	58.5	58.8
50% Exceedance	55.9	53.1	49.8	48.2	49.5	53.2	57.6	59.7	59.3	57.8	58.1	58.0
60% Exceedance	55.5	52.9	49.5	47.7	48.9	52.7	57.1	59.2	58.9	57.4	57.9	57.5
70% Exceedance	55.4	52.6	49.1	47.4	48.3	51.9	56.6	58.9	58.1	57.0	57.7	57.2
80% Exceedance	55.0	52.4	48.7	47.1	47.8	51.0	55.9	58.4	57.9	56.8	57.5	56.9
90% Exceedance	54.7	52.0	48.2	46.7	47.4	49.7	55.1	57.5	57.5	56.2	57.1	56.5
Full Simulation Period Average^a	56.8	53.4	49.7	48.4	49.3	52.8	57.4	59.7	59.4	58.1	59.0	58.9
Wet Years (28%)	55.0	52.8	50.1	47.5	48.0	51.1	55.9	60.1	59.9	57.9	58.1	56.9
Above Normal Years (14%)	55.5	52.5	49.2	47.9	48.3	52.1	57.5	59.8	59.1	56.9	57.5	56.8
Below Normal Years (18%)	56.5	53.4	49.6	48.1	49.9	53.6	58.0	58.9	59.0	57.7	58.2	58.8
Dry Years (24%)	56.9	53.6	50.0	49.0	49.9	53.6	58.2	59.7	58.5	57.9	58.6	59.1
Critical Years (16%)	61.2	55.2	49.4	49.7	50.9	54.5	58.3	60.1	60.1	60.4	63.1	64.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-2 c. Sacramento River at Red Bluff, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.7	0.1	0.2	0.2	0.3	-0.2	-0.7	-0.6	-0.4	-0.4	0.1	0.3
20% Exceedance	0.2	0.5	0.1	0.4	0.1	-0.1	-0.3	-0.6	-0.4	-0.9	-0.8	-0.2
30% Exceedance	0.3	0.2	-0.0	0.3	0.1	-0.0	-0.3	-0.7	-0.6	-0.4	-0.6	-0.4
40% Exceedance	0.0	-0.1	0.0	0.3	0.1	-0.2	-0.2	-0.6	-0.5	-0.2	-0.2	-0.2
50% Exceedance	0.1	-0.1	0.1	0.3	0.1	0.1	-0.2	-0.6	-0.4	-0.4	-0.2	-0.4
60% Exceedance	-0.1	0.0	0.1	0.1	0.1	0.1	-0.2	-0.7	-0.5	-0.2	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.0	0.1	0.0	0.1	0.1	-0.7	-0.4	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.0	0.1	0.1	0.2	-0.0	-0.0	-0.7	-0.4	0.1	-0.0	-0.3
90% Exceedance	-0.2	0.1	0.0	0.2	0.3	0.0	0.4	-0.6	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	-0.0	-0.2	-0.6	-0.4	-0.2	-0.1	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.0	0.2	0.1	0.0	0.1	-0.8	-0.4	-0.2	-0.2	-0.3
Below Normal Years (18%)	0.2	0.2	0.1	0.1	0.1	-0.0	0.0	-0.8	-0.4	0.1	-0.1	-0.5
Dry Years (24%)	0.0	0.2	0.1	0.3	0.1	0.1	0.0	-0.6	-0.3	-0.3	-0.5	-0.3
Critical Years (16%)	0.5	0.2	-0.2	0.3	0.2	-0.3	-1.1	0.1	-0.3	-0.6	0.7	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-3 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-3 b. Sacramento River at Red Bluff, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.5	51.1	50.6	51.5	55.5	60.3	61.5	61.3	60.8	61.1	61.2
20% Exceedance	58.0	54.4	50.7	49.8	50.5	54.9	59.5	60.7	60.7	59.6	59.8	60.3
30% Exceedance	57.2	53.9	50.5	49.3	50.2	54.2	58.8	60.4	60.0	58.7	58.8	59.1
40% Exceedance	56.4	53.3	50.0	48.8	49.7	53.8	58.3	60.1	59.7	58.3	58.4	58.7
50% Exceedance	55.9	53.1	49.8	48.2	49.5	53.3	57.6	59.6	59.3	57.8	58.1	57.9
60% Exceedance	55.5	52.8	49.6	47.7	49.0	52.7	57.2	59.1	59.0	57.4	57.9	57.5
70% Exceedance	55.4	52.6	49.2	47.4	48.3	51.9	56.6	58.9	58.2	57.0	57.7	57.2
80% Exceedance	55.0	52.4	48.7	47.1	47.8	51.1	55.9	58.5	57.9	56.8	57.5	56.9
90% Exceedance	54.7	52.0	48.2	46.9	47.4	49.8	55.1	57.6	57.5	56.2	57.0	56.5
Full Simulation Period Average^a	56.6	53.4	49.8	48.4	49.4	53.0	57.6	59.7	59.4	58.2	58.7	58.6
Wet Years (28%)	55.0	52.8	50.1	47.5	48.0	51.1	55.9	60.2	59.9	57.9	58.1	56.9
Above Normal Years (14%)	55.5	52.4	49.2	47.9	48.4	52.2	57.5	59.9	59.1	56.9	57.4	56.8
Below Normal Years (18%)	56.3	53.3	49.5	48.2	50.0	53.7	58.0	58.9	59.0	57.6	58.1	58.7
Dry Years (24%)	56.9	53.6	50.0	49.1	49.9	53.7	58.2	59.6	58.5	57.9	58.6	59.1
Critical Years (16%)	60.5	55.4	49.6	49.9	51.1	55.0	59.0	60.0	60.3	60.9	61.5	62.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-3 c. Sacramento River at Red Bluff, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.0	0.1	-0.0	0.2	0.3	0.0	-0.1	-0.8	-0.4	-0.2	-0.4	-0.5
20% Exceedance	0.1	0.4	0.1	0.4	0.1	0.1	-0.0	-0.7	-0.5	-0.9	-1.0	-0.2
30% Exceedance	0.3	0.2	0.0	0.4	0.1	0.1	-0.0	-0.7	-0.5	-0.5	-0.6	-0.5
40% Exceedance	0.0	-0.1	-0.0	0.4	0.1	-0.1	-0.1	-0.6	-0.4	-0.3	-0.3	-0.2
50% Exceedance	0.0	-0.2	0.1	0.3	0.2	0.1	-0.2	-0.7	-0.4	-0.4	-0.2	-0.4
60% Exceedance	-0.1	-0.1	0.2	0.1	0.1	0.1	-0.1	-0.8	-0.4	-0.2	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.1	0.1	0.1	0.1	0.0	-0.6	-0.3	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.2	0.2	0.1	-0.0	-0.5	-0.4	0.1	-0.0	-0.3
90% Exceedance	-0.2	0.1	0.0	0.4	0.3	0.1	0.4	-0.6	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.0	-0.6	-0.3	-0.2	-0.4	-0.5
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.2	0.1	0.0	-0.7	-0.4	-0.1	-0.2	-0.3
Below Normal Years (18%)	-0.0	0.1	0.0	0.2	0.2	0.1	-0.0	-0.8	-0.5	-0.0	-0.3	-0.7
Dry Years (24%)	0.0	0.1	0.1	0.3	0.1	0.1	0.0	-0.6	-0.3	-0.3	-0.5	-0.3
Critical Years (16%)	-0.2	0.3	0.0	0.5	0.4	0.2	-0.4	-0.1	-0.1	0.0	-0.9	-1.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-4 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-4 b. Sacramento River at Red Bluff, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.3	55.5	51.2	50.6	51.5	55.1	59.5	61.7	61.3	60.6	61.6	62.0
20% Exceedance	58.2	54.6	50.7	49.8	50.5	54.6	59.2	60.9	60.8	59.6	60.1	60.2
30% Exceedance	57.2	53.8	50.4	49.2	50.1	54.1	58.7	60.4	60.0	58.8	58.7	58.9
40% Exceedance	56.3	53.4	50.0	48.8	49.7	53.6	58.1	60.0	59.7	58.3	58.4	58.7
50% Exceedance	55.9	53.1	49.8	48.1	49.5	53.1	57.6	59.6	59.3	57.8	58.1	58.1
60% Exceedance	55.5	52.8	49.6	47.6	48.9	52.7	57.1	59.1	58.8	57.3	57.9	57.5
70% Exceedance	55.4	52.6	49.1	47.3	48.3	51.9	56.6	58.9	58.1	57.0	57.7	57.2
80% Exceedance	55.1	52.4	48.7	47.1	47.8	51.0	55.9	58.3	57.9	56.8	57.4	56.9
90% Exceedance	54.7	52.0	48.1	46.8	47.4	49.8	54.7	57.6	57.5	56.2	57.0	56.5
Full Simulation Period Average^a	56.7	53.4	49.7	48.4	49.3	52.8	57.4	59.7	59.4	58.1	58.9	59.0
Wet Years (28%)	55.0	52.7	50.1	47.5	48.0	51.1	55.9	60.1	59.9	57.9	58.1	56.9
Above Normal Years (14%)	55.5	52.5	49.2	47.9	48.3	52.1	57.5	59.8	59.2	56.9	57.4	56.8
Below Normal Years (18%)	56.5	53.5	49.5	48.2	49.9	53.6	58.1	58.9	59.0	57.7	58.1	58.8
Dry Years (24%)	57.0	53.6	50.0	49.0	49.9	53.7	58.3	59.6	58.6	57.9	58.6	59.2
Critical Years (16%)	61.0	55.2	49.4	49.7	51.0	54.3	58.1	60.1	60.0	60.3	63.1	64.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-4 c. Sacramento River at Red Bluff, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.1	0.1	0.2	0.3	-0.3	-0.9	-0.6	-0.4	-0.4	0.1	0.3
20% Exceedance	0.4	0.6	0.1	0.4	0.1	-0.1	-0.3	-0.5	-0.4	-0.9	-0.8	-0.3
30% Exceedance	0.3	0.0	-0.0	0.3	0.1	-0.1	-0.2	-0.7	-0.5	-0.4	-0.7	-0.7
40% Exceedance	-0.1	-0.1	-0.1	0.3	0.1	-0.3	-0.3	-0.7	-0.5	-0.2	-0.2	-0.2
50% Exceedance	0.1	-0.1	0.1	0.2	0.2	-0.0	-0.2	-0.8	-0.4	-0.4	-0.2	-0.3
60% Exceedance	-0.1	-0.0	0.2	0.1	0.1	0.1	-0.1	-0.8	-0.6	-0.2	-0.2	-0.2
70% Exceedance	-0.1	-0.0	-0.0	0.1	0.1	0.1	0.1	-0.6	-0.4	-0.2	-0.1	-0.2
80% Exceedance	-0.1	-0.0	0.1	0.1	0.2	0.0	0.0	-0.7	-0.4	0.1	-0.1	-0.3
90% Exceedance	-0.2	0.1	-0.0	0.3	0.3	0.1	0.0	-0.5	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.2	-0.0	-0.2	-0.6	-0.3	-0.2	-0.1	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	-0.0	0.2	0.2	0.0	0.1	-0.8	-0.3	-0.1	-0.2	-0.3
Below Normal Years (18%)	0.2	0.2	0.0	0.1	0.2	-0.0	0.0	-0.8	-0.4	0.1	-0.2	-0.5
Dry Years (24%)	0.0	0.1	0.1	0.3	0.1	0.1	0.1	-0.7	-0.2	-0.3	-0.5	-0.3
Critical Years (16%)	0.3	0.2	-0.2	0.3	0.3	-0.5	-1.3	0.1	-0.4	-0.7	0.7	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-5 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-5 b. Sacramento River at Red Bluff, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.9	55.4	51.2	50.6	51.4	55.3	59.7	61.6	61.6	60.7	61.5	62.7
20% Exceedance	58.1	54.6	50.7	49.7	50.5	54.6	59.1	60.9	60.8	59.6	59.8	60.3
30% Exceedance	57.2	53.8	50.4	49.2	50.1	54.1	58.4	60.4	60.2	58.9	58.9	59.1
40% Exceedance	56.2	53.4	50.0	48.8	49.7	53.8	57.9	60.0	59.9	58.3	58.5	58.6
50% Exceedance	55.9	53.1	49.8	48.2	49.4	53.2	57.5	59.7	59.5	57.9	58.1	58.0
60% Exceedance	55.5	52.8	49.5	47.7	48.9	52.8	56.9	59.3	59.0	57.3	57.9	57.5
70% Exceedance	55.3	52.5	49.1	47.3	48.3	51.9	56.6	58.9	58.4	57.1	57.8	57.2
80% Exceedance	55.1	52.4	48.7	47.0	47.8	51.0	55.7	58.2	58.0	56.8	57.4	56.9
90% Exceedance	54.7	52.0	48.2	46.7	47.3	49.7	54.8	57.7	57.6	56.3	57.1	56.5
Full Simulation Period Average^a	56.7	53.4	49.7	48.4	49.3	52.9	57.3	59.7	59.5	58.2	59.0	59.0
Wet Years (28%)	55.0	52.8	50.1	47.5	48.0	51.1	55.9	60.1	60.0	57.9	58.1	56.9
Above Normal Years (14%)	55.5	52.4	49.2	47.9	48.3	52.1	57.2	59.8	59.5	56.9	57.5	56.8
Below Normal Years (18%)	56.5	53.4	49.5	48.1	49.9	53.6	57.7	58.8	59.3	57.8	58.2	58.7
Dry Years (24%)	56.9	53.5	50.0	49.0	49.8	53.7	58.3	59.8	58.8	58.0	58.6	59.1
Critical Years (16%)	61.3	55.2	49.3	49.7	50.9	54.5	58.2	59.9	60.1	60.3	63.0	64.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-5 c. Sacramento River at Red Bluff, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.7	-0.0	0.1	0.1	0.2	-0.2	-0.7	-0.7	-0.2	-0.4	-0.0	0.9
20% Exceedance	0.2	0.5	0.0	0.3	0.1	-0.1	-0.4	-0.6	-0.4	-0.9	-1.0	-0.2
30% Exceedance	0.3	0.1	-0.1	0.3	0.1	-0.0	-0.4	-0.7	-0.2	-0.3	-0.5	-0.5
40% Exceedance	-0.2	-0.1	0.0	0.3	0.1	-0.0	-0.5	-0.7	-0.3	-0.2	-0.1	-0.3
50% Exceedance	0.1	-0.2	0.2	0.3	0.1	0.1	-0.3	-0.6	-0.3	-0.4	-0.2	-0.4
60% Exceedance	-0.1	0.0	0.1	0.1	0.1	0.2	-0.3	-0.6	-0.4	-0.2	-0.1	-0.2
70% Exceedance	-0.1	-0.1	-0.0	0.1	0.1	0.1	0.0	-0.6	-0.1	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	-0.2	-0.8	-0.2	0.1	-0.1	-0.3
90% Exceedance	-0.2	0.1	0.0	0.2	0.2	0.1	0.1	-0.4	-0.1	0.2	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	-0.0	-0.3	-0.6	-0.2	-0.2	-0.1	-0.1
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.3	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.1	0.2	0.1	0.0	-0.2	-0.8	0.0	-0.1	-0.1	-0.3
Below Normal Years (18%)	0.1	0.2	0.0	0.1	0.1	-0.0	-0.3	-0.8	-0.1	0.2	-0.1	-0.6
Dry Years (24%)	-0.0	0.1	0.1	0.2	0.1	0.1	0.1	-0.5	-0.0	-0.3	-0.5	-0.4
Critical Years (16%)	0.6	0.2	-0.2	0.2	0.2	-0.3	-1.2	-0.1	-0.3	-0.6	0.6	1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-6 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-6 b. Sacramento River at Red Bluff, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.0	55.4	51.0	50.6	51.3	55.8	59.9	61.3	62.2	61.2	61.0	61.4
20% Exceedance	57.6	54.1	50.6	49.7	50.5	55.0	59.5	60.5	61.3	59.6	59.1	60.1
30% Exceedance	57.1	53.7	50.3	49.1	50.3	54.3	59.1	59.9	61.0	59.1	58.8	59.4
40% Exceedance	56.3	53.4	50.0	48.8	49.7	53.9	58.6	59.4	60.4	58.5	58.4	59.0
50% Exceedance	56.0	53.2	49.8	48.0	49.4	53.2	58.1	59.1	60.1	58.1	58.1	58.5
60% Exceedance	55.8	53.0	49.6	47.6	48.9	52.8	57.7	58.8	59.6	57.6	57.8	58.2
70% Exceedance	55.5	52.9	49.3	47.4	48.4	51.8	56.6	58.5	58.8	57.3	57.4	57.8
80% Exceedance	55.2	52.5	49.0	47.1	47.8	51.1	55.8	57.9	58.3	57.0	57.1	57.3
90% Exceedance	54.8	52.1	48.4	46.7	47.2	49.8	55.0	57.6	57.8	56.8	57.0	56.7
Full Simulation Period Average^a	56.6	53.4	49.8	48.4	49.3	53.0	57.7	59.3	60.1	58.5	58.5	59.0
Wet Years (28%)	55.2	52.8	49.9	47.4	48.0	51.0	55.8	59.2	61.2	58.3	58.6	57.6
Above Normal Years (14%)	55.5	52.7	49.4	47.8	48.2	52.0	57.5	58.9	60.7	57.8	57.7	57.5
Below Normal Years (18%)	56.3	53.2	49.5	48.2	49.9	53.7	58.3	59.1	59.6	58.1	57.8	59.0
Dry Years (24%)	56.9	53.6	50.0	49.0	49.8	54.0	58.7	59.3	58.8	57.9	57.9	59.5
Critical Years (16%)	59.7	55.4	49.9	50.0	51.2	55.0	59.0	60.1	60.1	60.5	60.8	61.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-6 c. Sacramento River at Red Bluff, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	-0.0	-0.1	0.2	0.1	0.4	-0.5	-1.0	0.4	0.2	-0.5	-0.4
20% Exceedance	-0.3	0.0	-0.0	0.3	0.1	0.3	-0.0	-0.9	0.1	-0.9	-1.7	-0.4
30% Exceedance	0.2	-0.0	-0.1	0.2	0.2	0.2	0.2	-1.2	0.5	-0.1	-0.6	-0.2
40% Exceedance	-0.2	-0.0	-0.1	0.3	0.1	-0.0	0.2	-1.3	0.3	-0.0	-0.2	0.1
50% Exceedance	0.2	-0.1	0.1	0.1	0.1	0.0	0.3	-1.2	0.3	-0.1	-0.2	0.1
60% Exceedance	0.2	0.2	0.2	0.0	0.1	0.2	0.4	-1.1	0.2	0.0	-0.2	0.5
70% Exceedance	0.1	0.2	0.2	0.1	0.2	-0.0	0.1	-1.1	0.3	0.2	-0.4	0.3
80% Exceedance	0.0	0.1	0.4	0.2	0.1	0.1	-0.0	-1.1	0.1	0.3	-0.4	-0.0
90% Exceedance	-0.1	0.2	0.2	0.2	0.1	0.1	0.3	-0.6	0.0	0.7	-0.2	0.0
Full Simulation Period Average^a	-0.2	0.1	0.1	0.2	0.1	0.1	0.1	-1.0	0.4	0.1	-0.6	-0.2
Wet Years (28%)	-0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	-1.6	0.9	0.2	0.3	0.4
Above Normal Years (14%)	-0.0	0.1	0.3	0.1	0.0	-0.0	0.0	-1.7	1.2	0.8	0.1	0.4
Below Normal Years (18%)	-0.1	-0.1	0.0	0.1	0.2	0.1	0.3	-0.6	0.2	0.5	-0.6	-0.3
Dry Years (24%)	0.0	0.2	0.1	0.2	0.0	0.4	0.5	-1.0	-0.0	-0.4	-1.3	-0.0
Critical Years (16%)	-1.0	0.4	0.3	0.5	0.5	0.2	-0.5	0.1	-0.3	-0.4	-1.6	-1.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-7 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-7 b. Sacramento River at Red Bluff, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.4	55.0	52.2	50.3	51.3	55.4	60.4	62.1	62.1	61.5	61.6	61.1
20% Exceedance	57.7	53.9	51.4	49.5	50.4	54.8	59.3	61.2	61.2	60.3	60.1	60.2
30% Exceedance	57.1	53.5	50.9	49.0	50.1	54.3	58.7	60.9	60.6	59.2	59.1	59.2
40% Exceedance	56.3	53.3	50.6	48.4	49.7	53.8	58.3	60.5	60.1	58.7	58.7	58.8
50% Exceedance	56.1	53.0	50.0	47.9	49.4	53.2	57.7	60.0	59.9	58.2	58.5	58.4
60% Exceedance	55.8	52.8	49.6	47.4	48.8	52.6	57.2	59.7	59.5	57.5	58.4	58.1
70% Exceedance	55.6	52.5	49.3	47.2	48.3	51.8	56.5	59.0	58.6	57.1	58.0	57.9
80% Exceedance	55.3	52.3	48.9	47.0	47.7	51.0	55.8	58.6	58.0	56.8	57.7	57.6
90% Exceedance	55.1	51.9	48.4	46.7	47.1	49.6	55.0	57.7	57.7	56.2	57.4	57.3
Full Simulation Period Average^a	56.7	53.2	50.2	48.2	49.2	52.9	57.6	60.0	59.8	58.4	59.0	58.9
Wet Years (28%)	55.4	52.7	50.4	47.3	47.9	51.0	55.8	60.4	60.3	58.2	58.5	57.5
Above Normal Years (14%)	55.9	52.6	49.7	47.7	48.2	52.0	57.5	60.1	59.5	57.0	58.0	58.0
Below Normal Years (18%)	56.3	52.9	49.8	48.1	49.8	53.6	57.9	59.2	59.4	57.7	58.3	59.1
Dry Years (24%)	56.8	53.2	50.5	48.8	49.8	53.6	58.2	60.1	58.9	58.1	58.9	59.0
Critical Years (16%)	59.9	55.1	50.0	49.6	50.9	55.0	59.4	60.2	60.9	61.4	61.9	61.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-7 c. Sacramento River at Red Bluff, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.7	-0.4	1.2	-0.1	0.1	-0.0	0.1	-0.2	0.3	0.4	0.1	-0.6
20% Exceedance	-0.2	-0.1	0.8	0.2	0.1	0.0	-0.2	-0.2	0.0	-0.2	-0.8	-0.4
30% Exceedance	0.1	-0.3	0.4	0.1	0.1	0.2	-0.1	-0.2	0.2	0.0	-0.3	-0.4
40% Exceedance	-0.1	-0.2	0.5	-0.0	0.1	-0.1	-0.1	-0.2	-0.0	0.1	0.0	-0.2
50% Exceedance	0.2	-0.3	0.3	0.0	0.0	0.0	-0.1	-0.3	0.1	-0.0	0.2	0.0
60% Exceedance	0.2	-0.1	0.2	-0.1	-0.0	0.0	-0.1	-0.2	0.0	0.0	0.3	0.4
70% Exceedance	0.1	-0.1	0.2	-0.0	0.1	-0.0	-0.0	-0.5	0.1	-0.0	0.1	0.4
80% Exceedance	0.1	-0.1	0.3	0.1	-0.0	-0.1	-0.1	-0.4	-0.2	0.1	0.2	0.3
90% Exceedance	0.2	0.0	0.2	0.2	-0.0	-0.1	0.3	-0.4	-0.0	0.0	0.3	0.6
Full Simulation Period Average^a	-0.0	-0.1	0.5	0.0	0.0	0.0	-0.0	-0.3	0.1	0.1	-0.1	-0.2
Wet Years (28%)	0.2	0.0	0.6	-0.1	-0.0	-0.1	-0.0	-0.5	0.0	0.1	0.2	0.4
Above Normal Years (14%)	0.4	-0.0	0.6	0.0	0.0	-0.1	0.0	-0.5	0.0	-0.0	0.3	0.9
Below Normal Years (18%)	-0.0	-0.3	0.3	0.0	0.1	0.0	-0.2	-0.5	-0.1	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.2	0.6	0.0	0.0	0.0	-0.0	-0.2	0.0	-0.1	-0.3	-0.4
Critical Years (16%)	-0.8	0.0	0.5	0.2	0.1	0.2	-0.0	0.1	0.5	0.5	-0.5	-1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-8 a. Sacramento River at Red Bluff, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.4	60.4	62.3	61.8	61.0	61.5	61.7
20% Exceedance	57.9	54.0	50.6	49.4	50.4	54.7	59.5	61.4	61.2	60.5	60.8	60.6
30% Exceedance	56.9	53.7	50.4	48.9	50.0	54.1	58.9	61.1	60.5	59.2	59.4	59.6
40% Exceedance	56.4	53.5	50.0	48.4	49.6	53.9	58.4	60.7	60.2	58.5	58.6	58.9
50% Exceedance	55.9	53.2	49.6	47.9	49.3	53.2	57.8	60.3	59.8	58.2	58.3	58.4
60% Exceedance	55.7	52.8	49.4	47.6	48.8	52.6	57.2	59.9	59.4	57.5	58.0	57.7
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.5	59.5	58.5	57.1	57.8	57.4
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.0	55.9	59.0	58.2	56.7	57.5	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.7	58.2	57.7	56.1	57.1	56.7
Full Simulation Period Average^a	56.7	53.3	49.6	48.2	49.2	52.9	57.6	60.3	59.7	58.4	59.1	59.1
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.8	60.3	58.1	58.3	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.6	48.2	52.1	57.5	60.6	59.5	57.1	57.6	57.1
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.7	53.6	58.0	59.7	59.4	57.6	58.3	59.3
Dry Years (24%)	56.9	53.4	49.9	48.8	49.8	53.6	58.2	60.3	58.8	58.2	59.1	59.5
Critical Years (16%)	60.7	55.0	49.6	49.5	50.7	54.8	59.4	60.0	60.4	60.9	62.4	63.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-8 b. Sacramento River at Red Bluff, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.0	55.5	51.2	50.6	51.5	55.5	60.1	62.2	61.5	60.9	61.1	61.5
20% Exceedance	58.0	54.2	50.6	49.7	50.5	54.9	59.4	60.6	60.8	59.7	59.8	60.2
30% Exceedance	57.1	53.7	50.4	49.2	50.3	54.4	58.8	60.2	60.1	58.8	58.9	59.1
40% Exceedance	56.2	53.3	50.1	48.8	49.7	53.9	58.1	59.9	60.0	58.3	58.5	58.6
50% Exceedance	55.9	53.1	49.8	48.2	49.5	53.3	57.5	59.7	59.5	57.9	58.2	58.3
60% Exceedance	55.8	52.9	49.6	47.7	49.0	52.7	57.1	59.3	59.0	57.5	58.0	57.9
70% Exceedance	55.4	52.7	49.2	47.4	48.3	51.9	56.5	58.8	58.4	57.0	57.7	57.6
80% Exceedance	55.1	52.4	48.8	47.1	47.7	51.0	55.9	58.2	58.0	56.8	57.4	57.2
90% Exceedance	54.8	52.1	48.1	46.9	47.2	49.7	55.0	57.6	57.6	56.3	57.1	56.6
Full Simulation Period Average^a	56.7	53.4	49.8	48.4	49.3	53.0	57.5	59.7	59.5	58.3	58.7	58.8
Wet Years (28%)	55.2	52.8	50.0	47.5	48.0	51.1	55.9	60.1	60.0	57.9	58.2	57.1
Above Normal Years (14%)	55.6	52.5	49.4	47.9	48.3	52.0	57.3	59.8	59.6	56.9	57.8	58.1
Below Normal Years (18%)	56.4	53.3	49.5	48.2	49.9	53.7	57.6	58.8	59.4	57.7	58.1	58.7
Dry Years (24%)	56.7	53.4	50.0	49.0	49.8	53.8	58.5	59.6	58.6	58.0	58.6	58.8
Critical Years (16%)	60.6	55.4	49.5	49.7	51.1	54.9	59.1	59.8	60.2	61.0	61.3	62.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-12-8 c. Sacramento River at Red Bluff, Action 5 Minus NAA, Monthly Temperature (DEG-F)

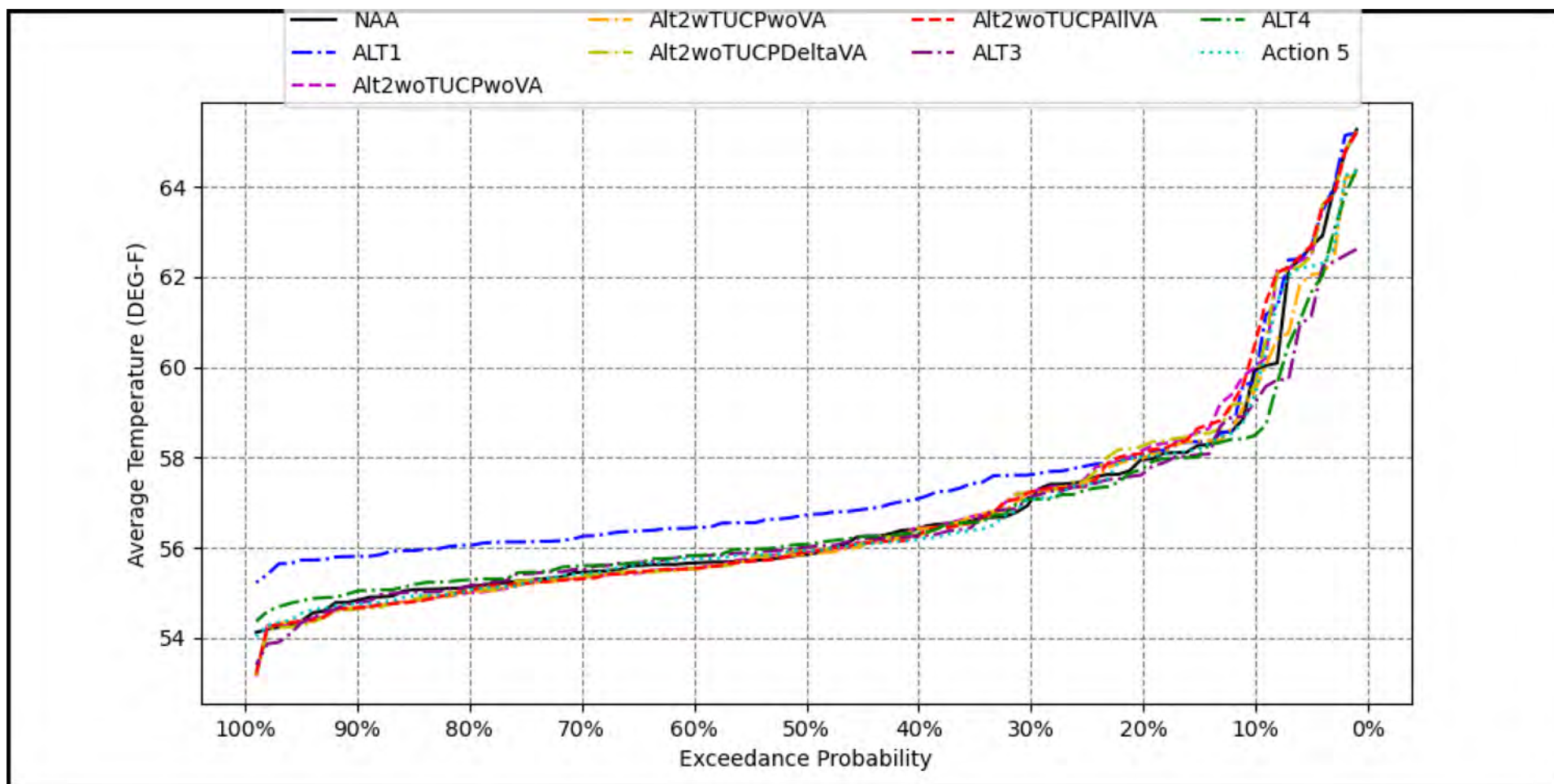
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	0.1	0.2	0.1	0.3	0.1	-0.3	-0.2	-0.3	-0.2	-0.4	-0.3
20% Exceedance	0.1	0.1	-0.0	0.3	0.2	0.2	-0.1	-0.8	-0.4	-0.8	-1.1	-0.4
30% Exceedance	0.1	-0.0	-0.1	0.3	0.3	0.3	-0.1	-0.9	-0.3	-0.3	-0.6	-0.5
40% Exceedance	-0.2	-0.1	0.1	0.4	0.1	0.1	-0.3	-0.8	-0.2	-0.2	-0.2	-0.3
50% Exceedance	0.1	-0.1	0.1	0.3	0.1	0.1	-0.3	-0.6	-0.3	-0.4	-0.1	-0.0
60% Exceedance	0.1	0.1	0.2	0.1	0.2	0.1	-0.1	-0.6	-0.4	-0.1	-0.0	0.2
70% Exceedance	-0.0	0.0	0.1	0.1	0.1	0.0	-0.1	-0.7	-0.1	-0.1	-0.1	0.1
80% Exceedance	-0.1	-0.0	0.2	0.2	0.1	-0.0	0.1	-0.9	-0.2	0.1	-0.1	-0.0
90% Exceedance	-0.1	0.2	-0.1	0.4	0.1	0.0	0.3	-0.5	-0.1	0.1	-0.0	-0.1
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.1	-0.7	-0.2	-0.1	-0.4	-0.3
Wet Years (28%)	-0.0	0.1	0.2	0.1	0.1	-0.0	-0.0	-0.7	-0.3	-0.2	-0.1	-0.1
Above Normal Years (14%)	0.0	-0.1	0.2	0.2	0.1	-0.0	-0.2	-0.8	0.1	-0.1	0.1	1.0
Below Normal Years (18%)	0.0	0.1	0.0	0.2	0.2	0.1	-0.4	-0.9	-0.1	0.1	-0.2	-0.6
Dry Years (24%)	-0.2	-0.0	0.1	0.2	0.1	0.2	0.3	-0.7	-0.2	-0.2	-0.5	-0.6
Critical Years (16%)	-0.1	0.4	-0.1	0.3	0.4	0.1	-0.3	-0.2	-0.2	0.1	-1.1	-1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

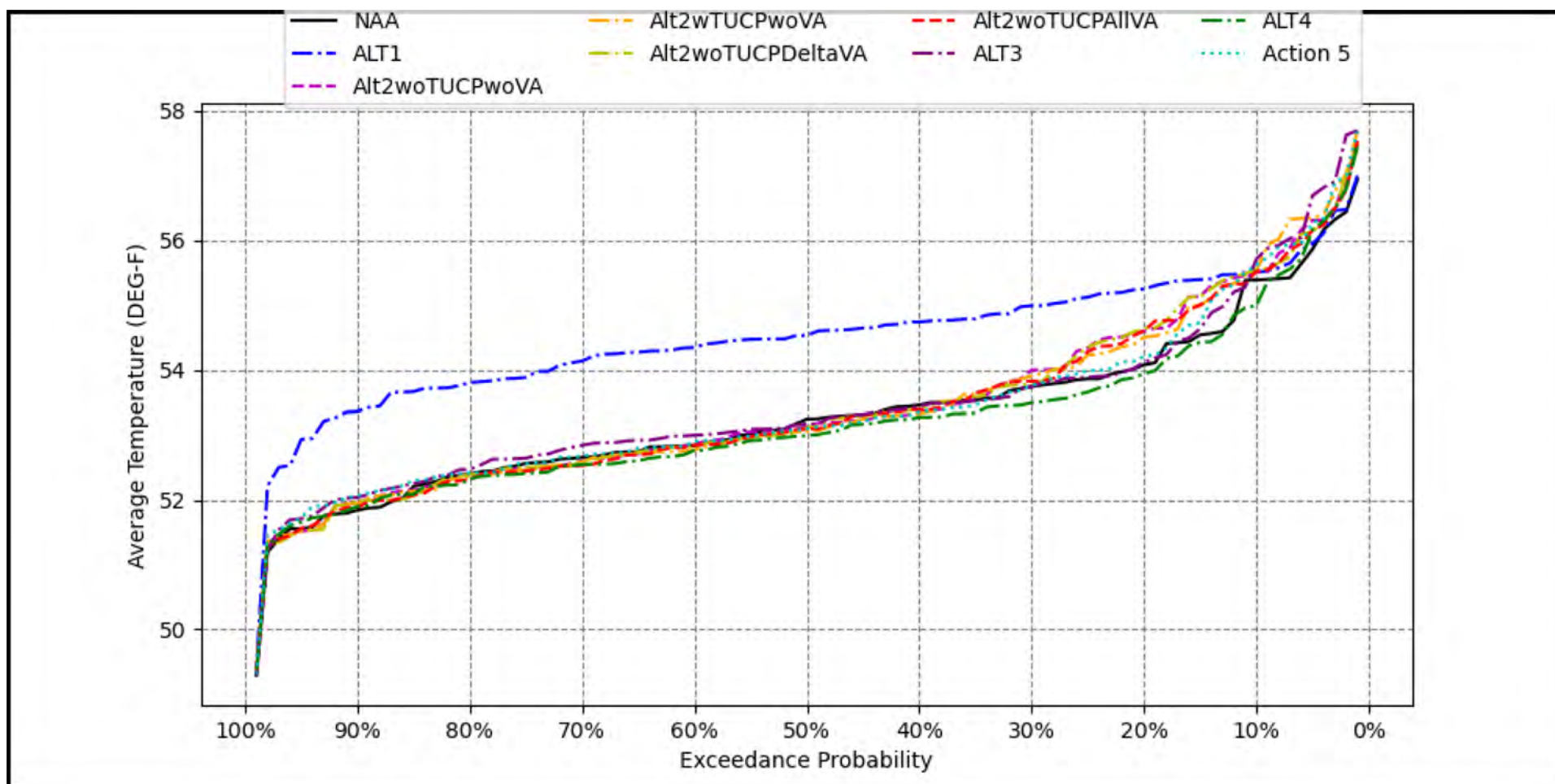
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



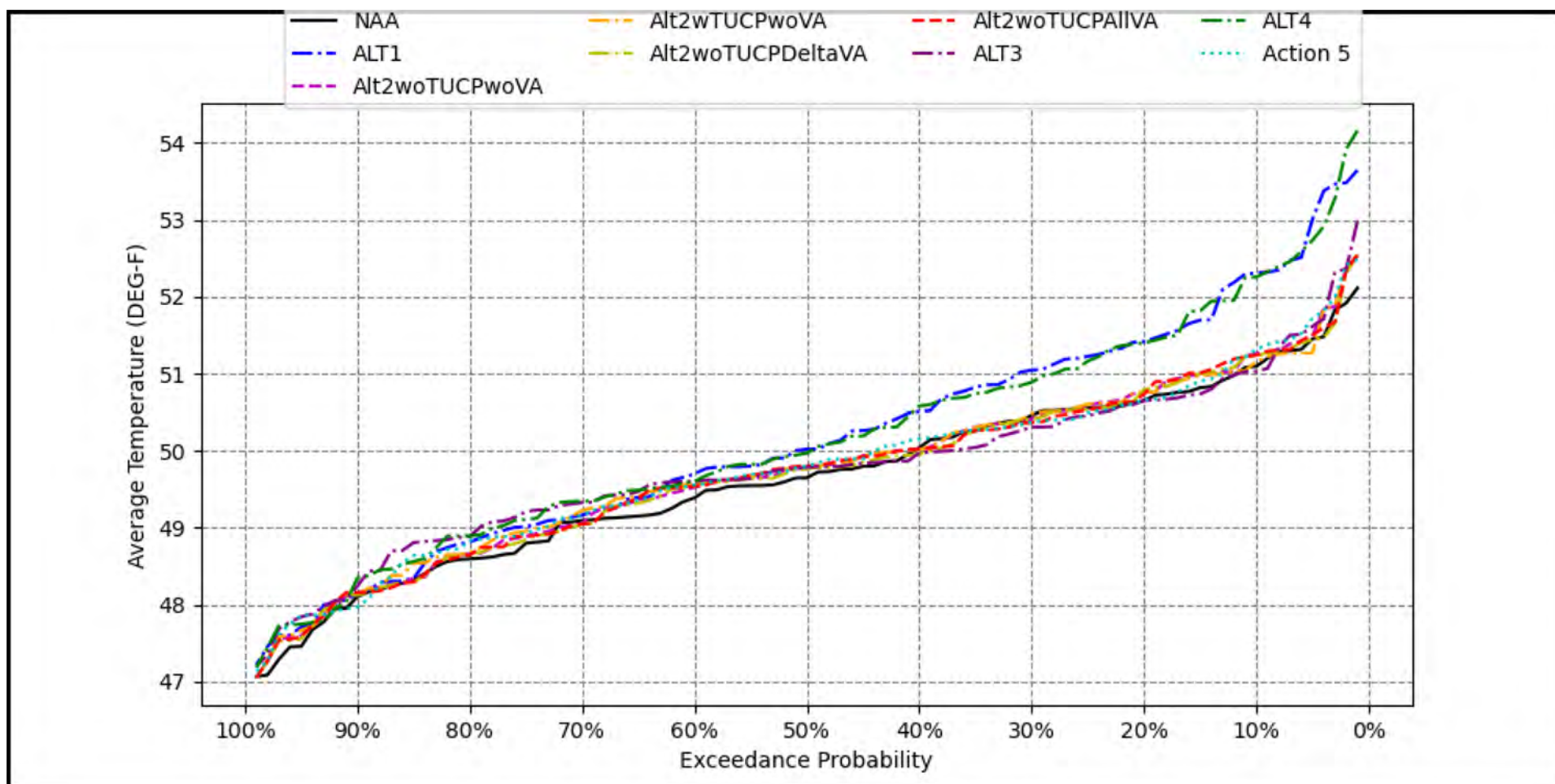
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-1 Sacramento River at Red Bluff, October Temperature



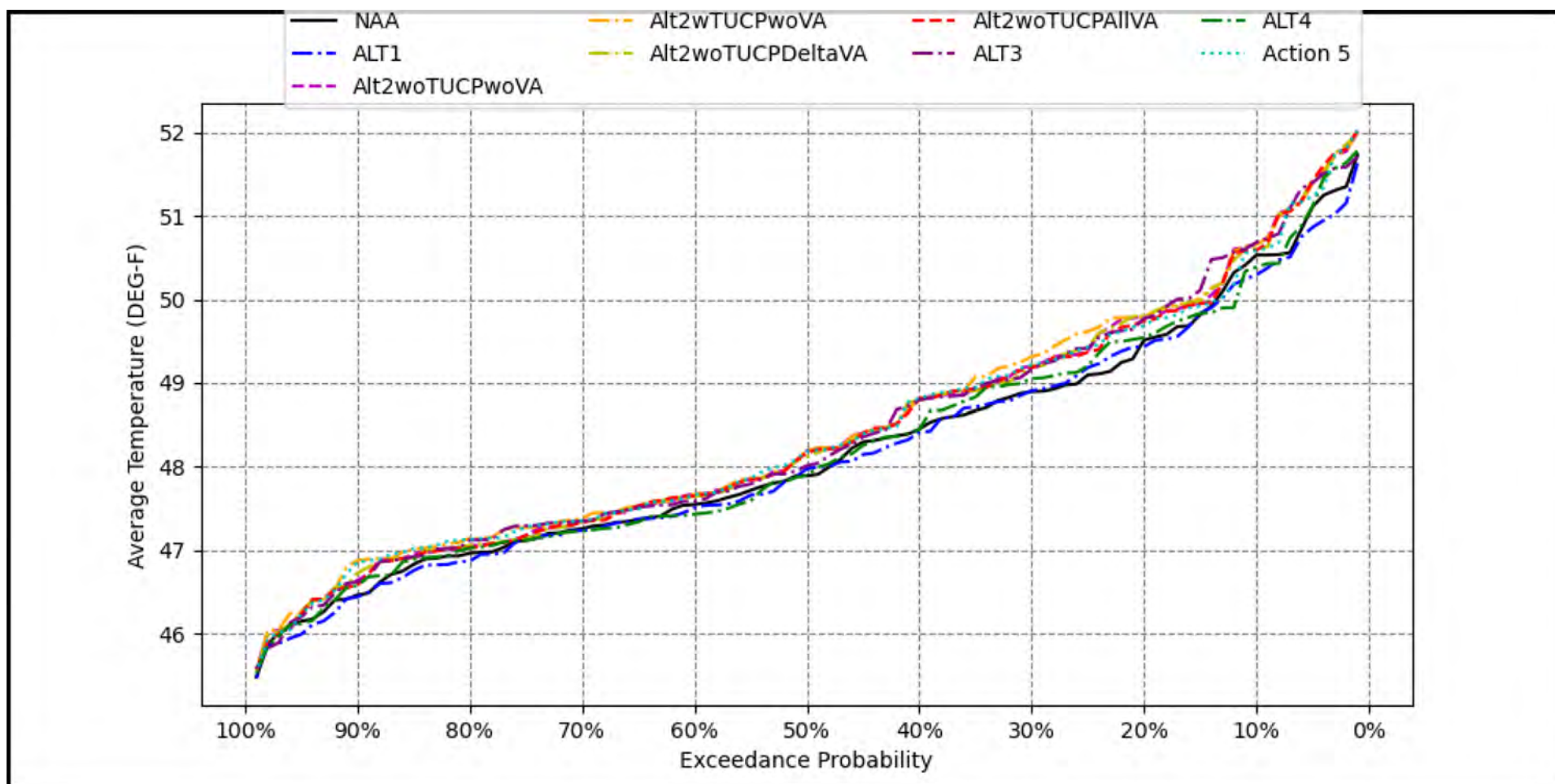
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-2 Sacramento River at Red Bluff, November Temperature



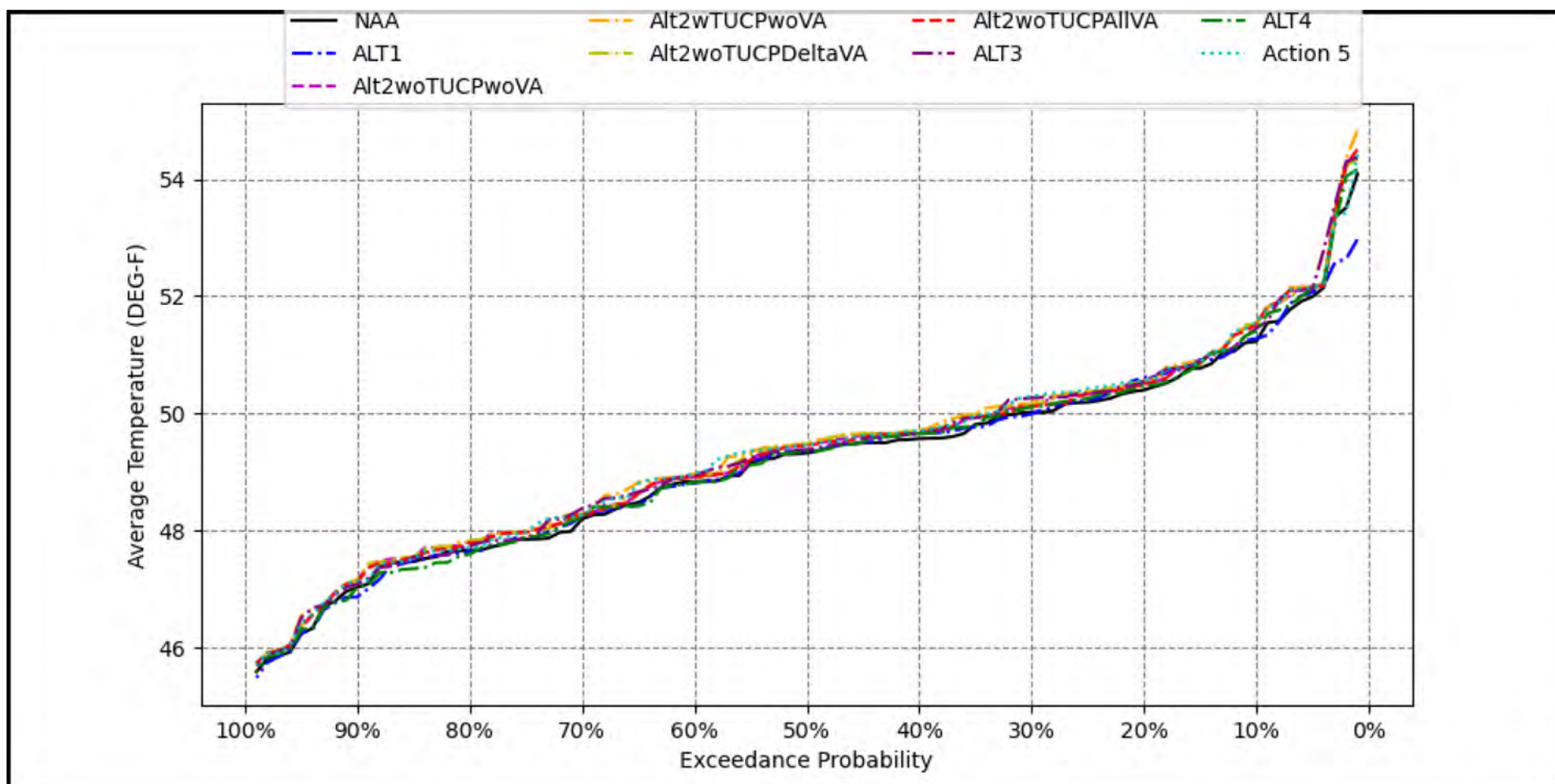
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-3 Sacramento River at Red Bluff, December Temperature



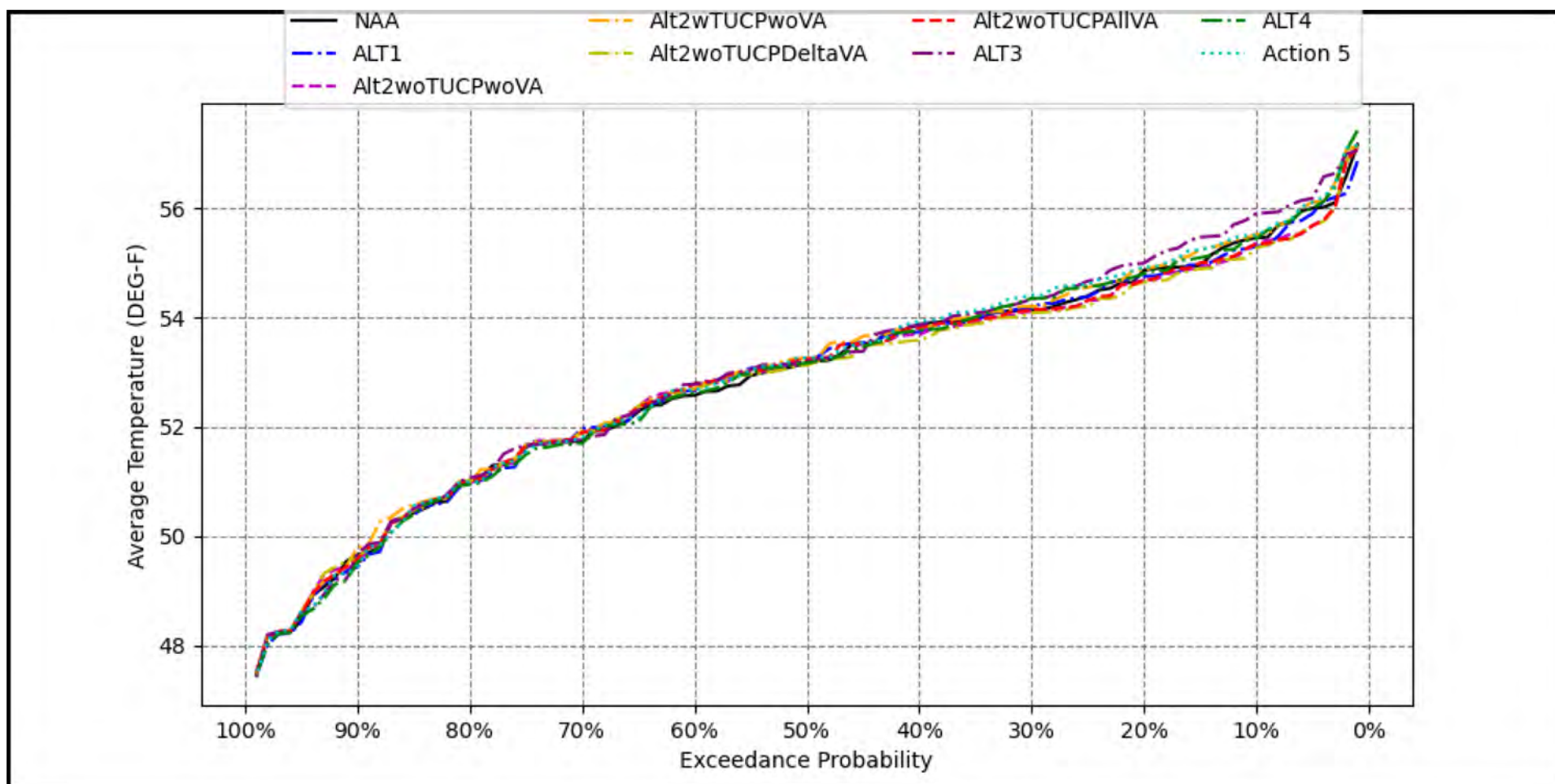
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-4 Sacramento River at Red Bluff, January Temperature



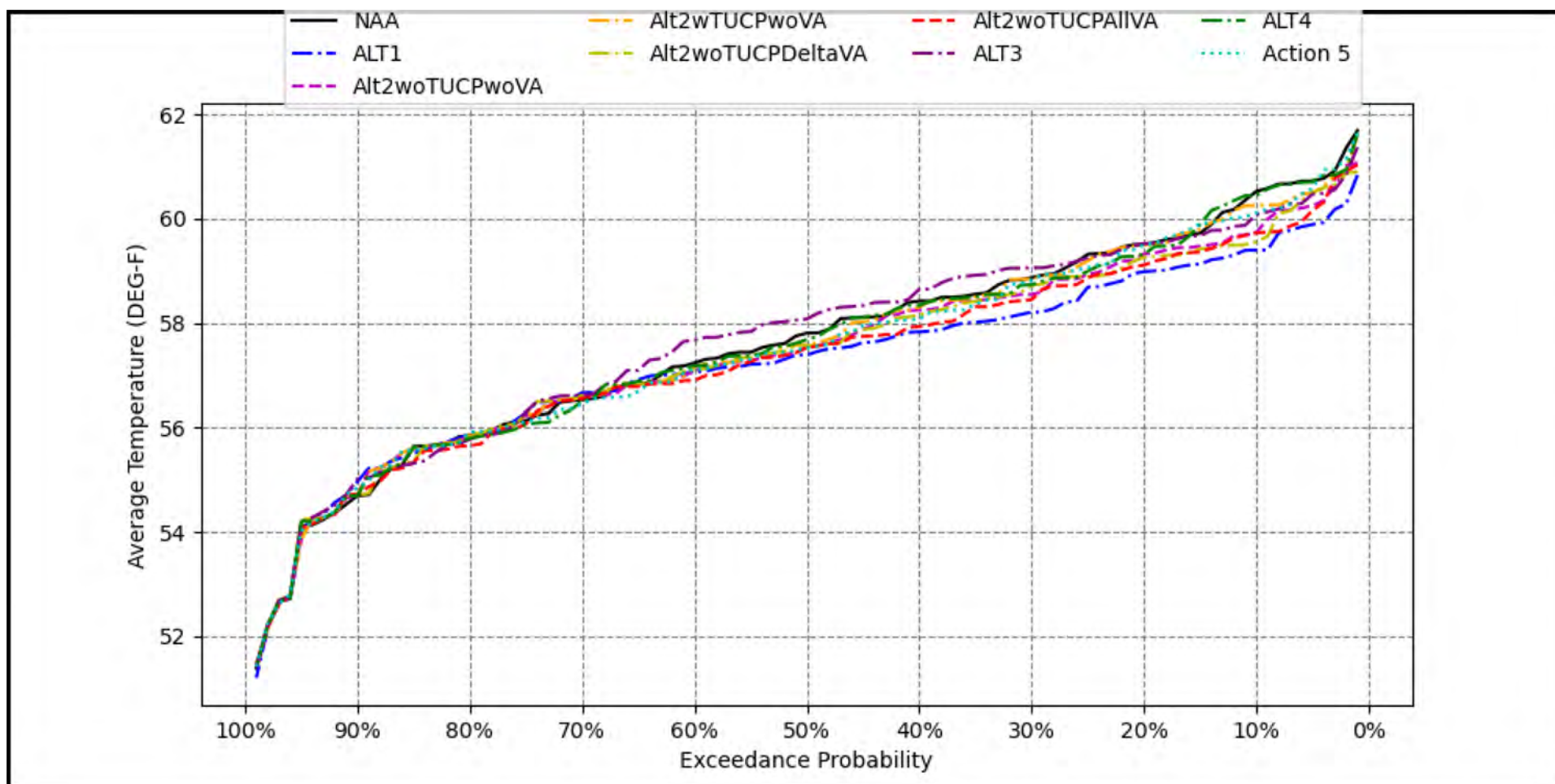
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-5 Sacramento River at Red Bluff, February Temperature



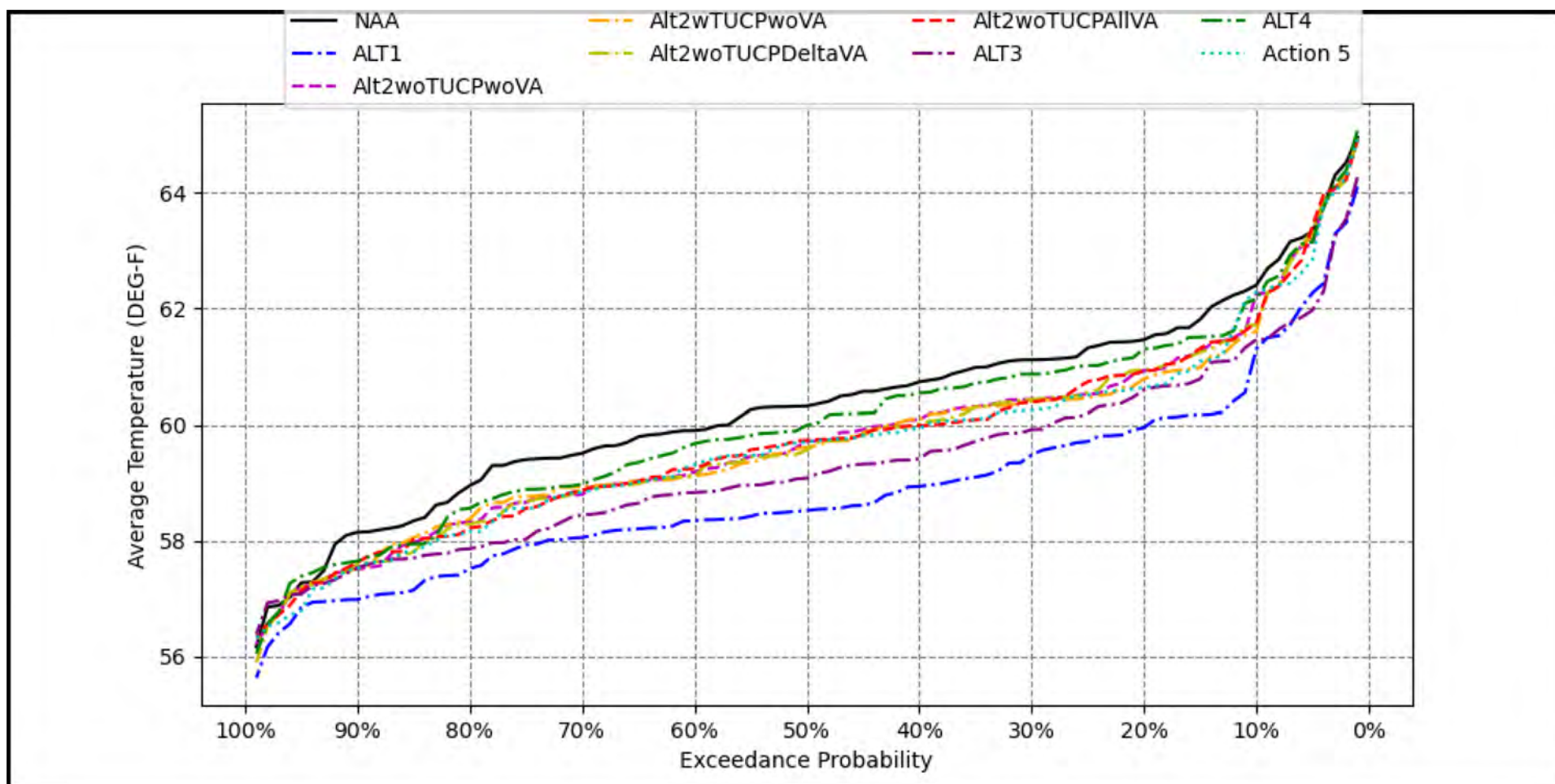
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-6 Sacramento River at Red Bluff, March Temperature



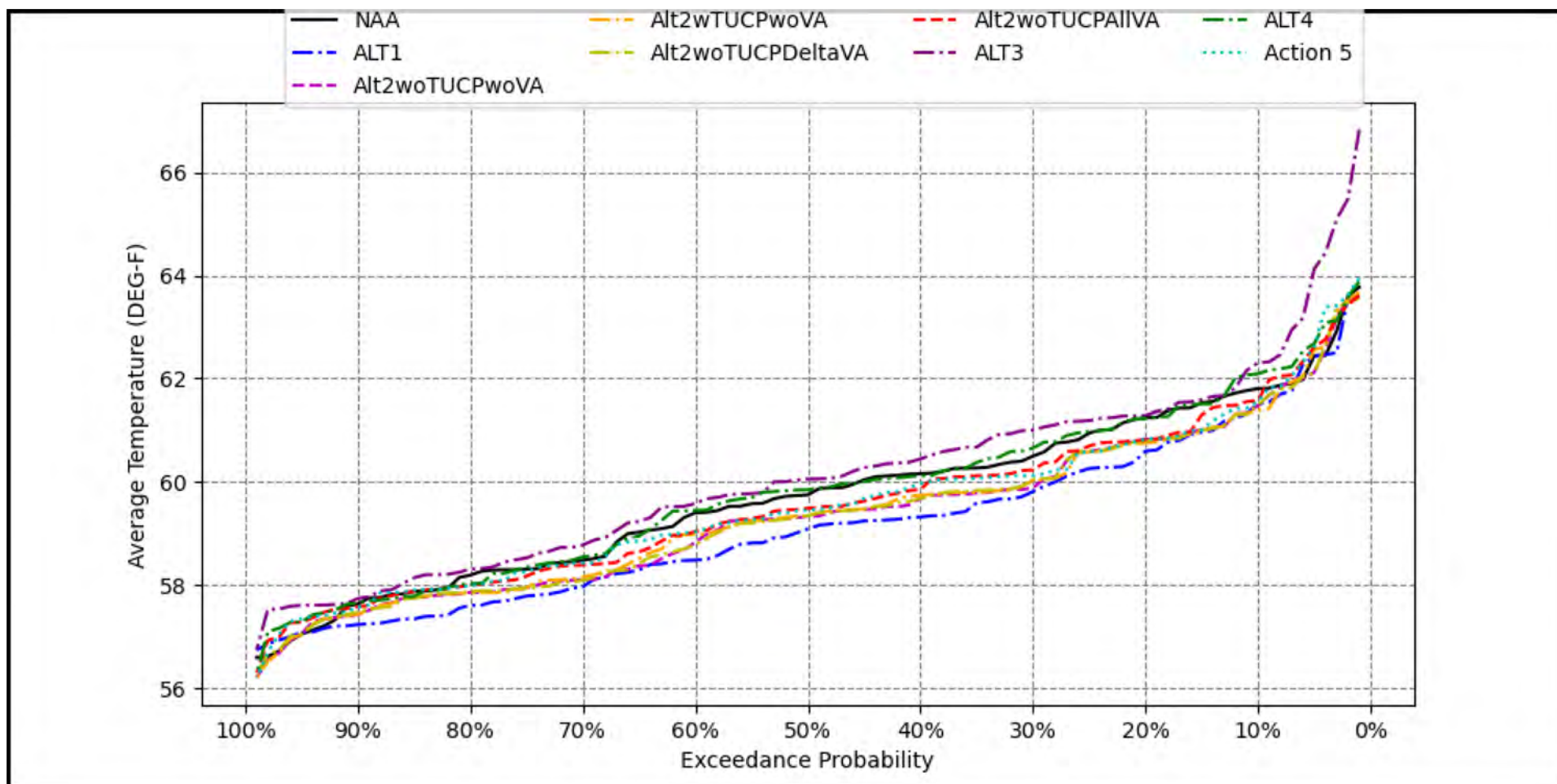
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-7 Sacramento River at Red Bluff, April Temperature



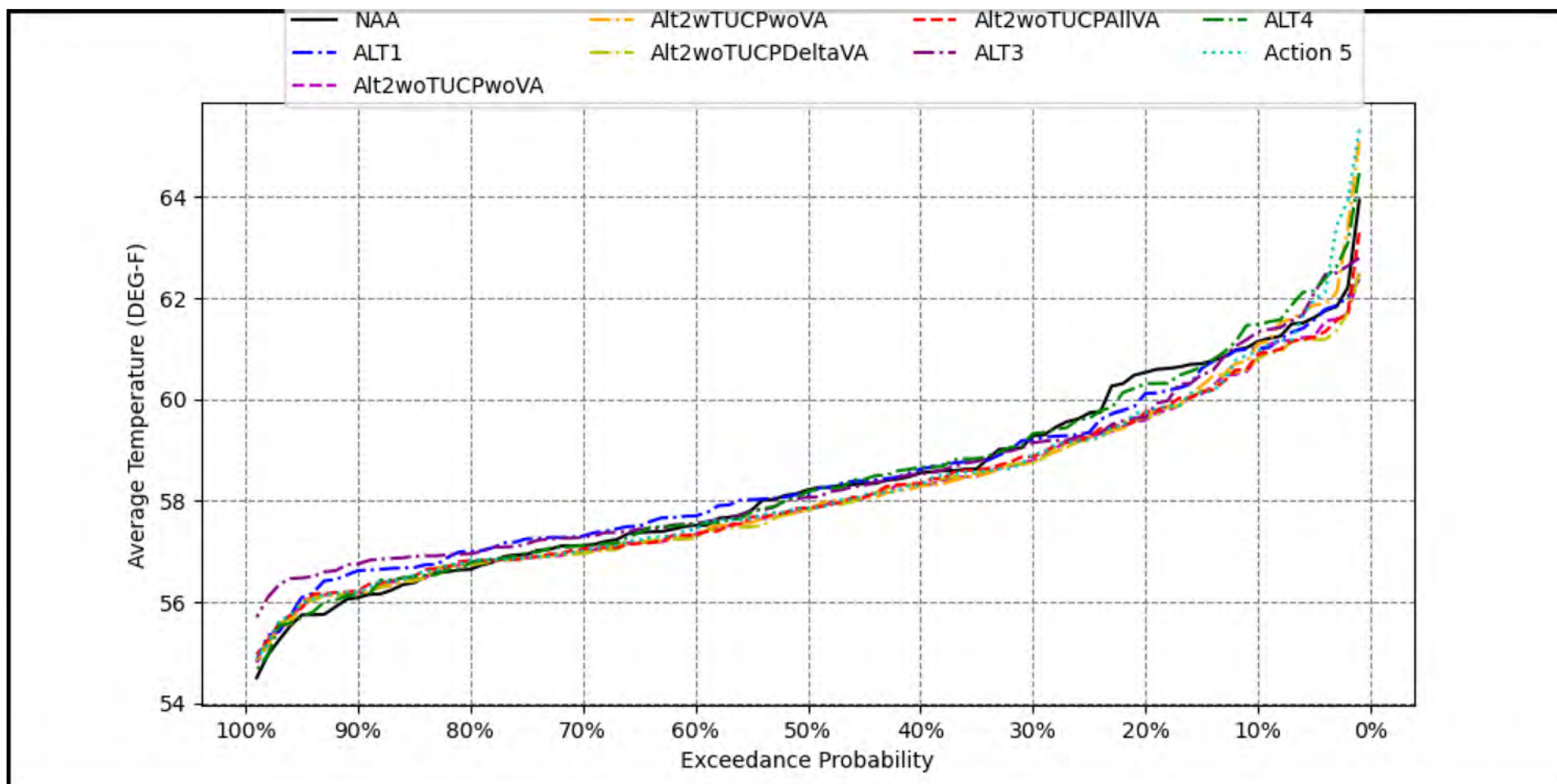
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-8 Sacramento River at Red Bluff, May Temperature



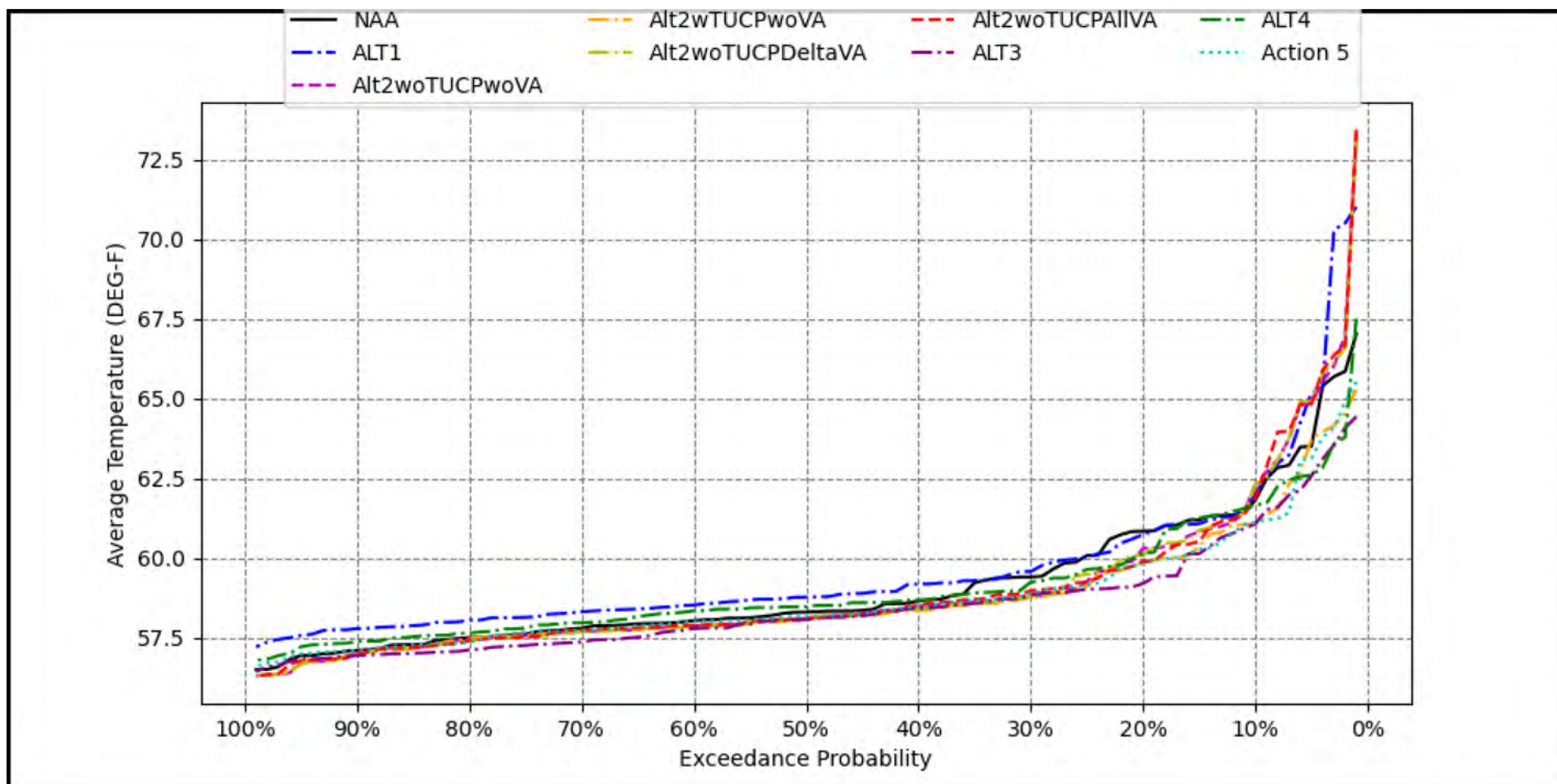
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-9 Sacramento River at Red Bluff, June Temperature



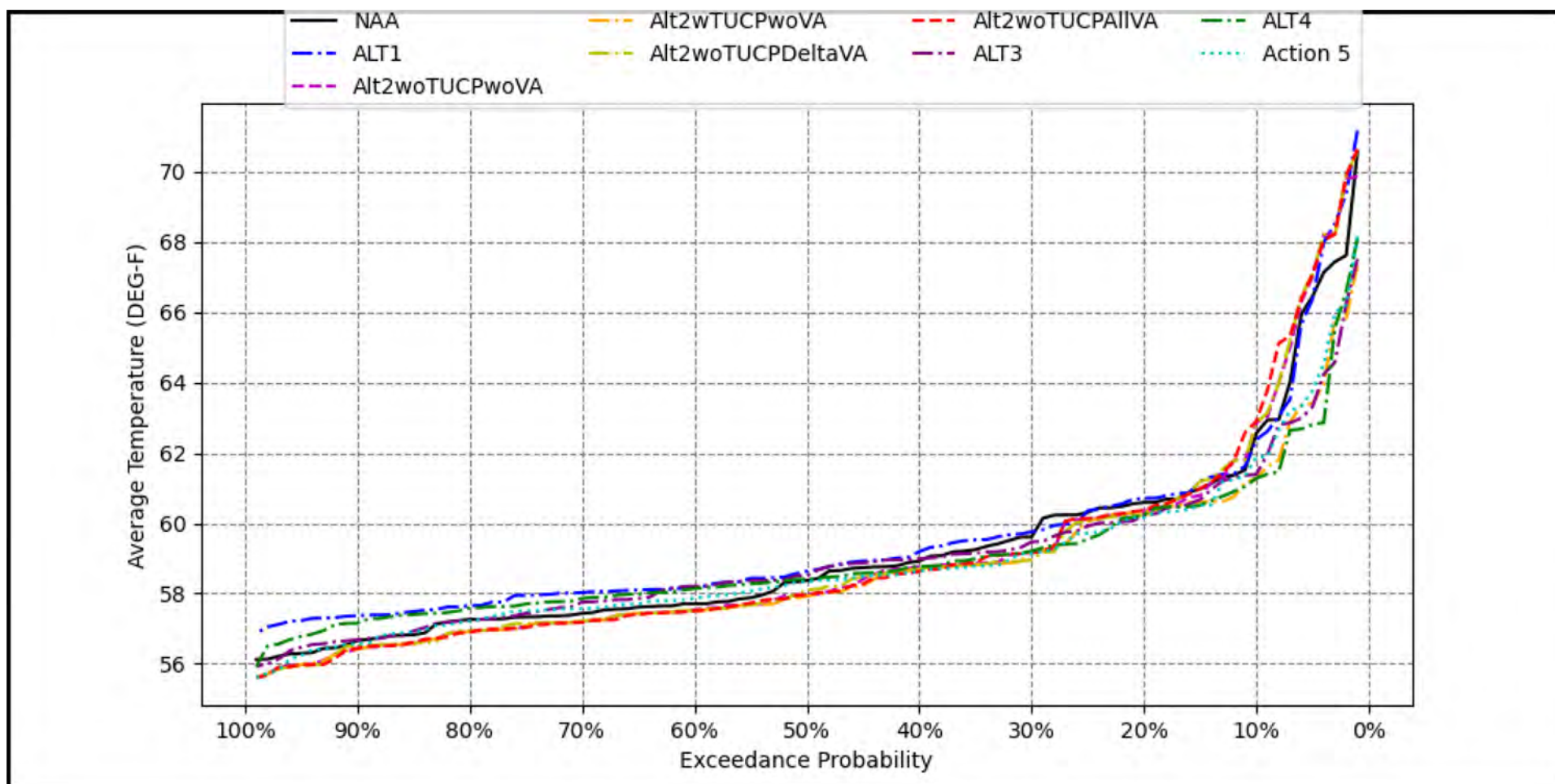
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-10 Sacramento River at Red Bluff, July Temperature



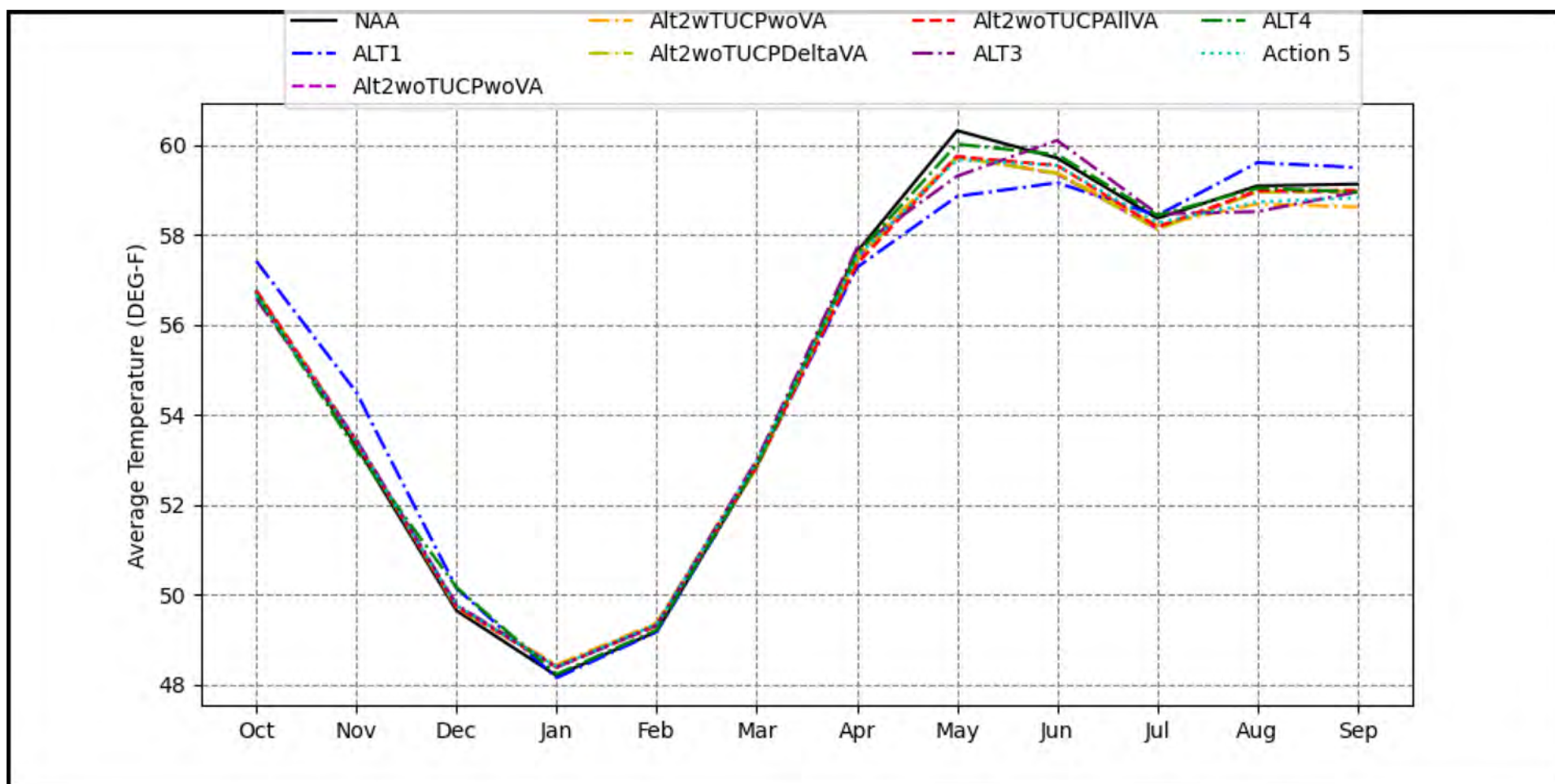
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-11 Sacramento River at Red Bluff, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-12 Sacramento River at Red Bluff, September Temperature

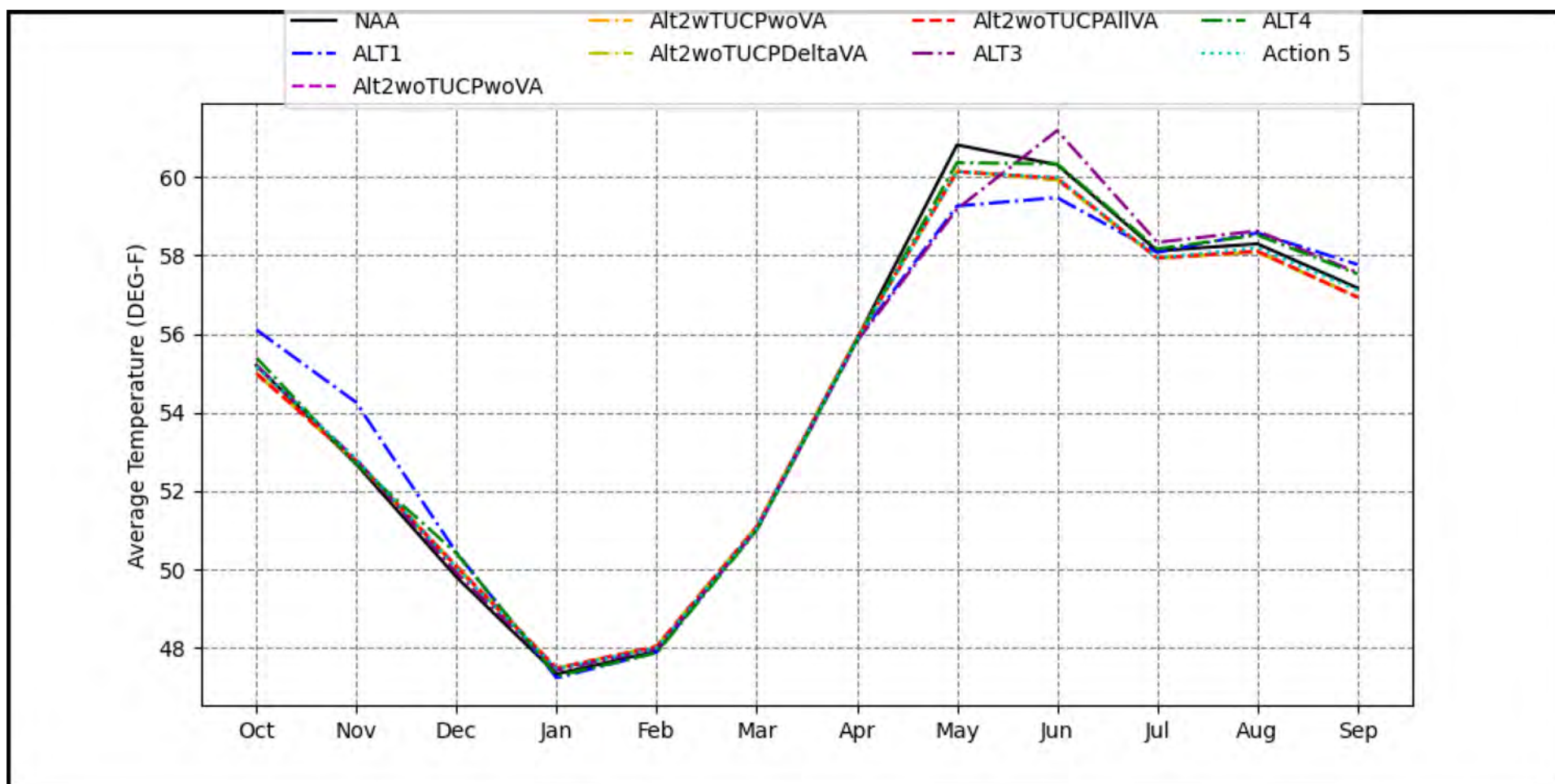


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-13 Sacramento River at Red Bluff, Long Term Average Temperature (DEG-F)

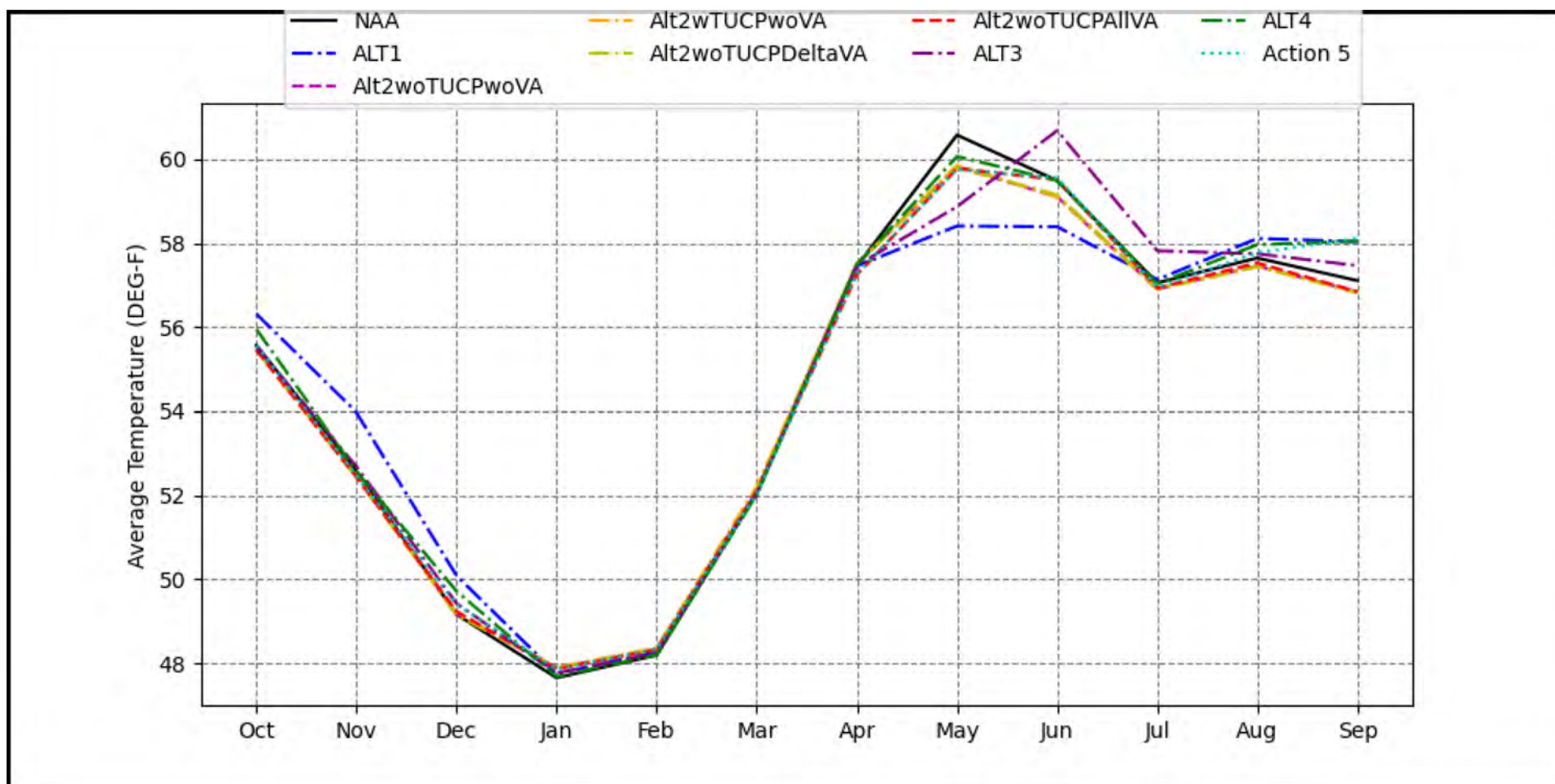


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-14 Sacramento River at Red Bluff, Wet Year Average Temperature (DEG-F)

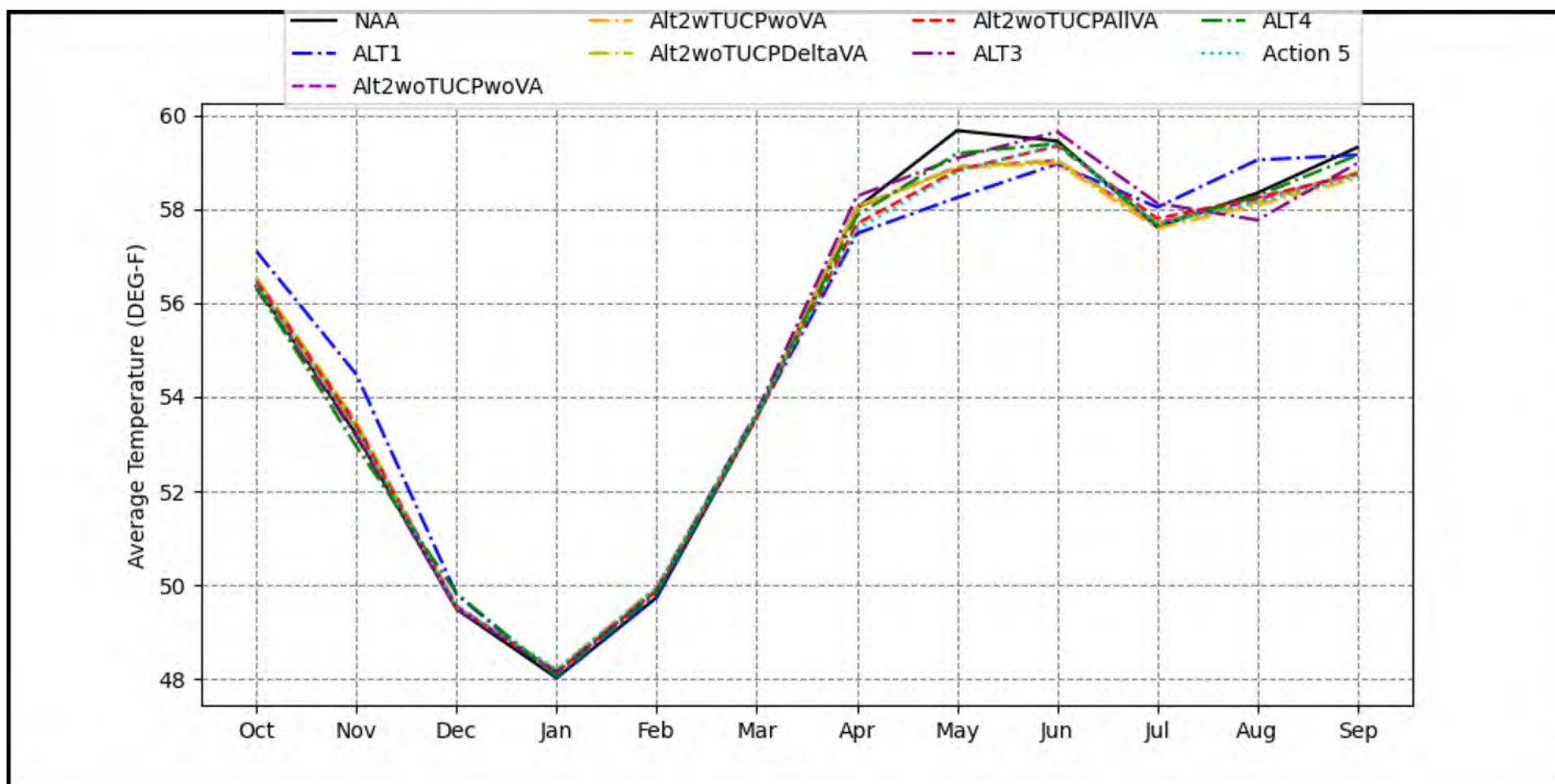


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-15 Sacramento River at Red Bluff, Above Normal Year Average Temperature (DEG-F)

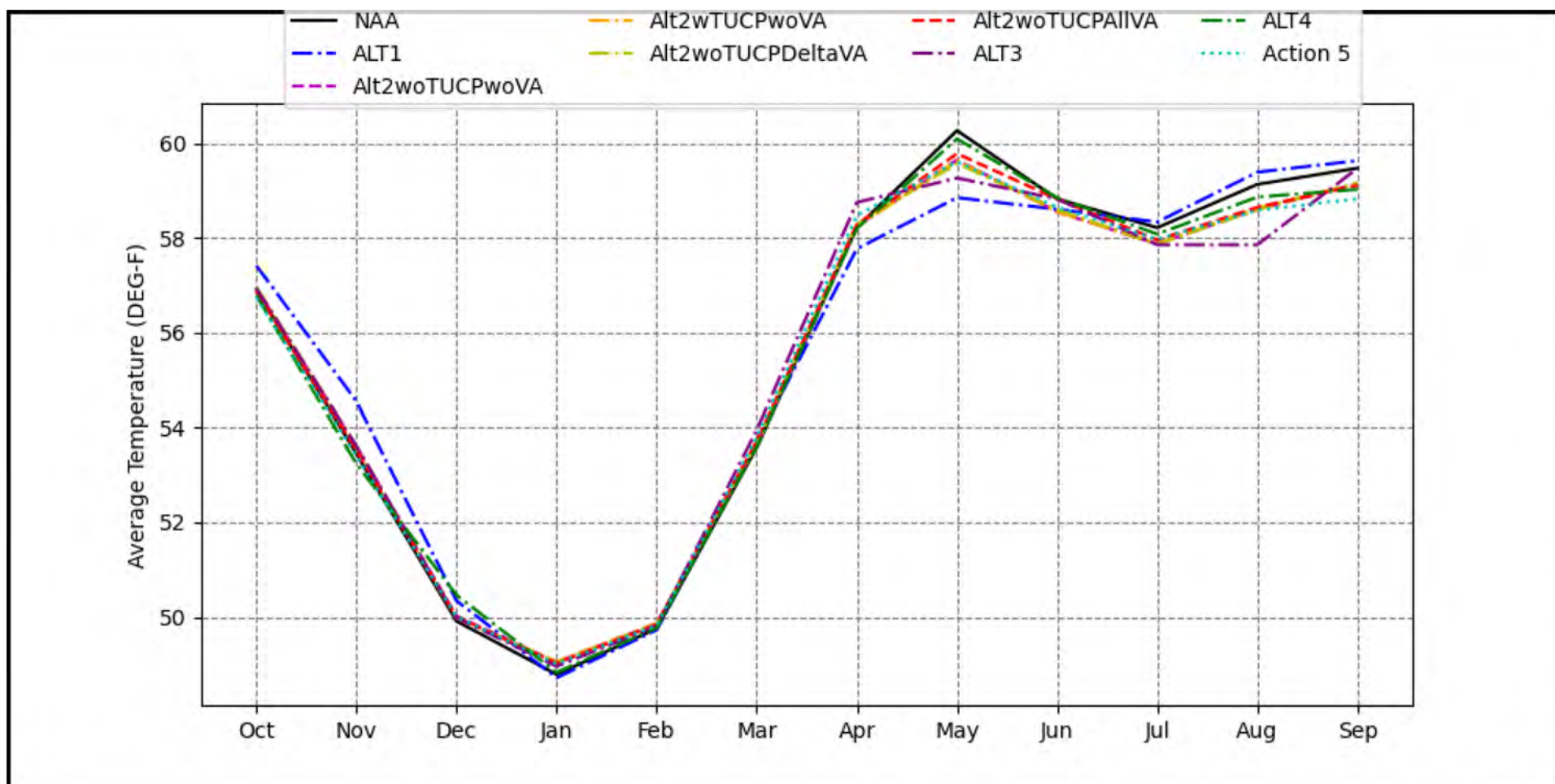


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-16 Sacramento River at Red Bluff, Below Normal Year Average Temperature (DEG-F)

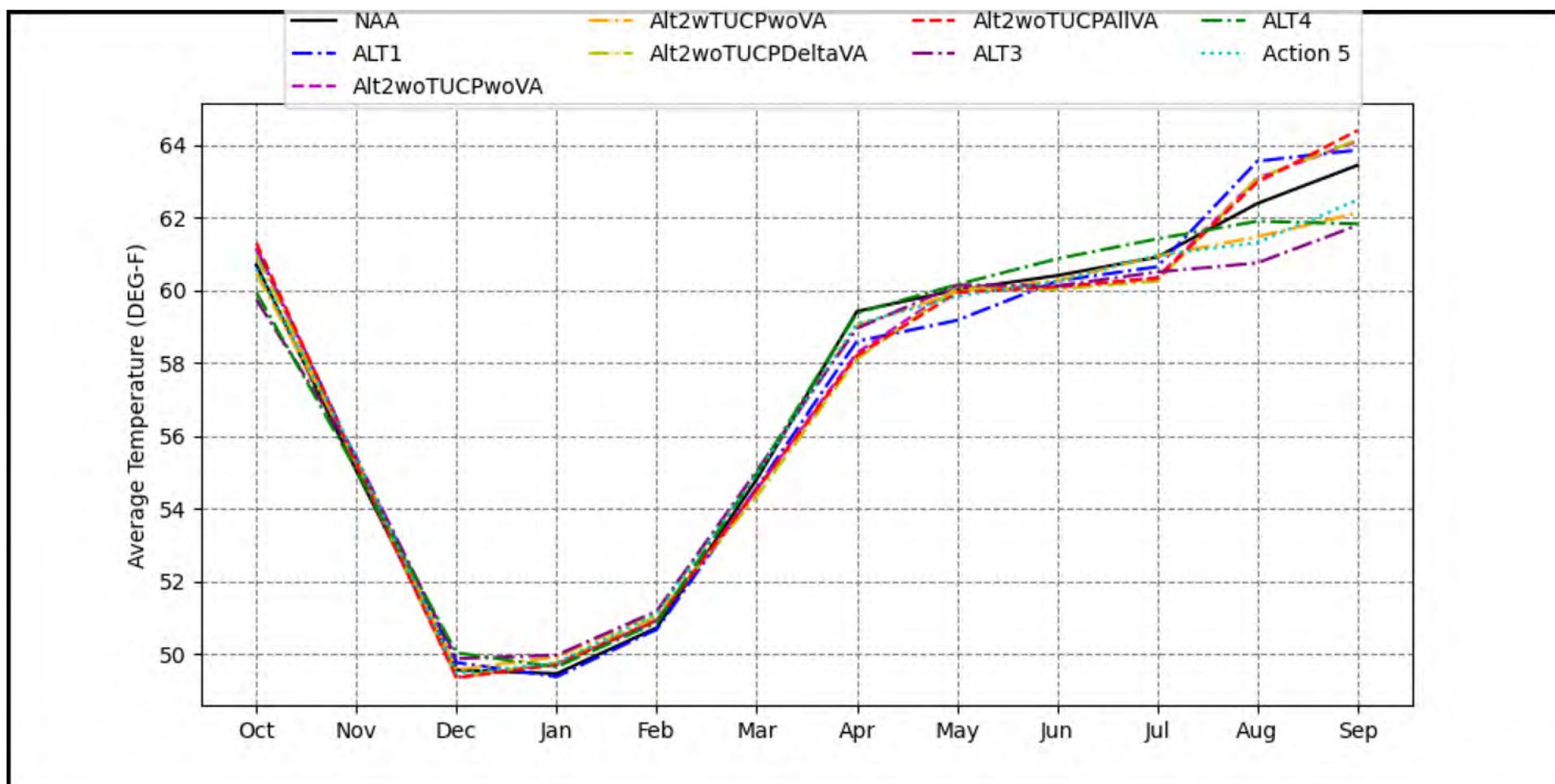


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-17 Sacramento River at Red Bluff, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-12-18 Sacramento River at Red Bluff, Critical Year Average Temperature (DEG-F)

F.2.11-13 Sacramento River below Red Bluff Diversion Dam

Table F.2.11-13-1 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-1 b. Sacramento River below Red Bluff Diversion Dam, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.7	55.5	52.3	50.3	51.3	55.3	59.5	60.8	61.5	61.1	61.7	61.8
20% Exceedance	58.1	55.3	51.4	49.4	50.6	54.8	59.0	60.0	60.6	60.0	60.7	60.8
30% Exceedance	57.7	55.0	51.0	48.9	50.0	54.2	58.3	59.5	59.9	59.3	59.7	59.8
40% Exceedance	57.1	54.8	50.5	48.4	49.7	53.8	57.9	59.0	59.4	58.7	59.3	59.2
50% Exceedance	56.8	54.6	50.0	48.0	49.4	53.2	57.4	58.6	59.2	58.2	58.9	58.7
60% Exceedance	56.5	54.4	49.7	47.5	48.8	52.7	57.1	58.4	58.6	57.8	58.6	58.3
70% Exceedance	56.3	54.2	49.2	47.2	48.3	52.0	56.7	58.2	58.1	57.4	58.4	58.1
80% Exceedance	56.1	53.8	48.9	46.9	47.7	51.0	55.9	57.6	57.7	57.1	58.1	57.7
90% Exceedance	55.8	53.4	48.2	46.5	47.0	49.6	55.2	57.1	57.3	56.7	57.9	57.4
Full Simulation Period Average^a	57.5	54.5	50.2	48.2	49.2	52.9	57.3	58.9	59.2	58.5	59.7	59.6
Wet Years (28%)	56.1	54.3	50.4	47.2	47.9	51.1	55.9	59.3	59.6	58.2	58.7	57.8
Above Normal Years (14%)	56.4	54.0	50.1	47.8	48.3	52.1	57.5	58.5	58.5	57.2	58.2	58.1
Below Normal Years (18%)	57.1	54.5	49.8	48.0	49.8	53.6	57.5	58.3	59.0	58.1	59.1	59.2
Dry Years (24%)	57.5	54.6	50.3	48.7	49.8	53.8	57.8	58.9	58.7	58.4	59.5	59.7
Critical Years (16%)	61.2	55.4	49.8	49.4	50.7	54.6	58.7	59.3	60.3	60.7	63.6	63.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-1 c. Sacramento River below Red Bluff Diversion Dam, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.1	1.2	-0.2	0.0	-0.2	-1.0	-1.6	-0.4	-0.0	0.1	0.0
20% Exceedance	0.1	1.2	0.8	0.1	0.2	-0.0	-0.5	-1.5	-0.8	-0.6	-0.2	0.1
30% Exceedance	0.7	1.2	0.6	-0.0	-0.0	0.0	-0.7	-1.7	-0.7	0.0	0.2	0.1
40% Exceedance	0.6	1.3	0.5	-0.0	0.1	-0.1	-0.6	-1.8	-0.8	0.1	0.5	0.3
50% Exceedance	0.9	1.3	0.4	0.1	0.0	0.0	-0.4	-1.8	-0.7	-0.1	0.5	0.3
60% Exceedance	0.8	1.5	0.3	-0.0	-0.0	0.1	-0.2	-1.5	-0.9	0.2	0.5	0.5
70% Exceedance	0.8	1.5	0.1	-0.0	0.1	0.2	0.1	-1.5	-0.5	0.2	0.5	0.6
80% Exceedance	0.9	1.4	0.2	-0.0	-0.0	-0.0	0.0	-1.4	-0.6	0.3	0.6	0.4
90% Exceedance	0.9	1.5	0.0	0.0	-0.1	-0.1	0.4	-1.1	-0.5	0.5	0.7	0.7
Full Simulation Period Average^a	0.7	1.2	0.5	-0.0	-0.0	-0.0	-0.3	-1.5	-0.6	0.1	0.5	0.4
Wet Years (28%)	0.9	1.6	0.6	-0.1	-0.0	-0.0	-0.0	-1.6	-0.8	-0.0	0.3	0.6
Above Normal Years (14%)	0.7	1.4	0.9	0.1	0.1	0.0	0.0	-2.2	-1.1	0.1	0.5	0.9
Below Normal Years (18%)	0.7	1.3	0.3	0.0	0.0	0.0	-0.5	-1.4	-0.5	0.4	0.7	-0.2
Dry Years (24%)	0.5	1.1	0.4	-0.1	-0.0	0.1	-0.5	-1.4	-0.2	0.1	0.3	0.2
Critical Years (16%)	0.4	0.3	0.2	-0.1	-0.0	-0.2	-0.8	-0.8	-0.2	-0.3	1.2	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-2 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-2 b. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.9	55.5	51.2	50.6	51.5	55.3	59.8	61.8	61.5	60.7	61.7	62.1
20% Exceedance	58.1	54.6	50.7	49.8	50.5	54.7	59.3	61.0	60.9	59.7	60.2	60.4
30% Exceedance	57.3	54.0	50.4	49.2	50.2	54.2	58.6	60.5	60.0	58.9	58.9	59.2
40% Exceedance	56.5	53.4	50.0	48.8	49.7	53.7	58.3	60.2	59.8	58.4	58.6	58.8
50% Exceedance	56.0	53.1	49.8	48.2	49.5	53.3	57.6	59.8	59.4	57.9	58.2	58.1
60% Exceedance	55.6	52.9	49.5	47.7	48.9	52.7	57.1	59.3	58.9	57.4	58.0	57.6
70% Exceedance	55.4	52.6	49.1	47.4	48.3	51.9	56.7	58.9	58.2	57.1	57.8	57.3
80% Exceedance	55.1	52.4	48.7	47.1	47.8	51.0	55.9	58.4	57.9	56.9	57.6	57.0
90% Exceedance	54.7	52.0	48.2	46.7	47.4	49.7	55.1	57.6	57.6	56.3	57.1	56.5
Full Simulation Period Average^a	56.8	53.4	49.7	48.4	49.3	52.9	57.5	59.8	59.4	58.2	59.0	59.0
Wet Years (28%)	55.0	52.8	50.1	47.5	48.1	51.1	55.9	60.2	60.0	58.0	58.2	57.0
Above Normal Years (14%)	55.5	52.5	49.2	47.9	48.4	52.1	57.6	59.9	59.2	57.0	57.5	56.9
Below Normal Years (18%)	56.6	53.5	49.6	48.2	49.9	53.6	58.1	59.0	59.1	57.8	58.3	58.8
Dry Years (24%)	57.0	53.6	50.0	49.1	49.9	53.7	58.3	59.7	58.6	58.0	58.7	59.2
Critical Years (16%)	61.2	55.2	49.4	49.8	51.0	54.6	58.3	60.2	60.2	60.4	63.2	64.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-2 c. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.7	0.1	0.1	0.2	0.3	-0.2	-0.7	-0.6	-0.4	-0.5	0.1	0.3
20% Exceedance	0.2	0.6	0.1	0.4	0.1	-0.1	-0.3	-0.5	-0.4	-0.9	-0.8	-0.2
30% Exceedance	0.3	0.2	-0.0	0.3	0.1	-0.0	-0.3	-0.7	-0.6	-0.4	-0.6	-0.4
40% Exceedance	0.0	-0.1	0.0	0.3	0.1	-0.2	-0.2	-0.6	-0.5	-0.2	-0.2	-0.1
50% Exceedance	0.1	-0.1	0.1	0.3	0.1	0.1	-0.2	-0.6	-0.4	-0.4	-0.2	-0.4
60% Exceedance	-0.1	0.0	0.1	0.1	0.1	0.1	-0.2	-0.7	-0.6	-0.1	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.0	0.1	0.0	0.1	0.0	-0.7	-0.4	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.0	0.1	0.1	0.1	-0.0	-0.0	-0.7	-0.4	0.1	-0.0	-0.3
90% Exceedance	-0.2	0.1	0.0	0.2	0.3	0.0	0.3	-0.6	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	-0.0	-0.2	-0.6	-0.4	-0.2	-0.1	-0.2
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.0	0.2	0.1	0.0	0.1	-0.7	-0.4	-0.1	-0.2	-0.3
Below Normal Years (18%)	0.2	0.2	0.1	0.1	0.1	-0.0	0.0	-0.8	-0.4	0.1	-0.1	-0.5
Dry Years (24%)	0.0	0.2	0.1	0.3	0.1	0.1	0.0	-0.6	-0.3	-0.3	-0.5	-0.3
Critical Years (16%)	0.5	0.2	-0.2	0.3	0.2	-0.3	-1.1	0.1	-0.3	-0.6	0.7	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-3 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-3 b. Sacramento River below Red Bluff Diversion Dam, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.3	55.5	51.1	50.7	51.5	55.5	60.3	61.6	61.4	60.9	61.2	61.3
20% Exceedance	58.0	54.5	50.7	49.8	50.5	54.9	59.6	60.8	60.8	59.7	59.9	60.4
30% Exceedance	57.2	53.9	50.5	49.3	50.2	54.2	58.9	60.5	60.1	58.8	58.9	59.1
40% Exceedance	56.5	53.4	50.0	48.8	49.7	53.8	58.4	60.2	59.8	58.4	58.5	58.8
50% Exceedance	55.9	53.1	49.8	48.2	49.5	53.3	57.7	59.7	59.4	57.9	58.2	58.0
60% Exceedance	55.6	52.8	49.6	47.7	49.0	52.8	57.2	59.2	59.1	57.4	57.9	57.6
70% Exceedance	55.4	52.6	49.2	47.4	48.3	52.0	56.7	59.0	58.3	57.1	57.8	57.3
80% Exceedance	55.1	52.4	48.7	47.2	47.8	51.2	55.9	58.6	57.9	56.8	57.6	57.0
90% Exceedance	54.7	52.0	48.2	46.9	47.4	49.9	55.1	57.6	57.6	56.3	57.1	56.5
Full Simulation Period Average^a	56.7	53.4	49.8	48.5	49.4	53.0	57.6	59.8	59.5	58.3	58.8	58.7
Wet Years (28%)	55.0	52.8	50.1	47.5	48.1	51.1	55.9	60.2	60.0	58.0	58.2	57.0
Above Normal Years (14%)	55.5	52.4	49.2	47.9	48.4	52.2	57.6	59.9	59.2	57.0	57.5	56.9
Below Normal Years (18%)	56.4	53.4	49.5	48.2	50.0	53.7	58.1	58.9	59.1	57.7	58.2	58.7
Dry Years (24%)	57.0	53.6	50.0	49.1	49.9	53.7	58.3	59.7	58.6	58.0	58.7	59.2
Critical Years (16%)	60.5	55.4	49.6	49.9	51.2	55.1	59.1	60.0	60.4	61.0	61.6	62.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-3 c. Sacramento River below Red Bluff Diversion Dam, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.0	0.1	-0.0	0.2	0.3	0.0	-0.1	-0.8	-0.4	-0.2	-0.4	-0.5
20% Exceedance	0.1	0.4	0.1	0.4	0.1	0.1	-0.0	-0.7	-0.5	-0.9	-1.0	-0.2
30% Exceedance	0.3	0.2	0.0	0.4	0.1	0.1	-0.0	-0.7	-0.5	-0.4	-0.6	-0.5
40% Exceedance	0.0	-0.1	0.0	0.4	0.1	-0.1	-0.1	-0.6	-0.4	-0.3	-0.3	-0.2
50% Exceedance	0.0	-0.2	0.1	0.3	0.2	0.1	-0.2	-0.7	-0.4	-0.4	-0.2	-0.4
60% Exceedance	-0.1	-0.1	0.2	0.1	0.1	0.1	-0.1	-0.8	-0.4	-0.2	-0.2	-0.2
70% Exceedance	-0.1	-0.0	0.1	0.1	0.1	0.1	0.0	-0.6	-0.3	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.0	0.1	0.2	0.2	0.1	-0.0	-0.5	-0.4	0.1	-0.0	-0.3
90% Exceedance	-0.2	0.1	0.0	0.4	0.3	0.1	0.3	-0.6	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.0	-0.6	-0.3	-0.1	-0.4	-0.5
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.0	0.3	0.2	0.1	0.0	-0.7	-0.4	-0.1	-0.2	-0.3
Below Normal Years (18%)	-0.0	0.1	0.0	0.2	0.2	0.1	0.0	-0.8	-0.5	-0.0	-0.3	-0.7
Dry Years (24%)	0.0	0.1	0.1	0.3	0.1	0.1	0.0	-0.6	-0.3	-0.3	-0.5	-0.3
Critical Years (16%)	-0.2	0.3	0.0	0.5	0.4	0.2	-0.4	-0.1	-0.1	0.0	-0.9	-1.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-4 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-4 b. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.4	55.5	51.2	50.6	51.5	55.2	59.6	61.8	61.4	60.7	61.7	62.1
20% Exceedance	58.3	54.6	50.7	49.8	50.6	54.7	59.3	61.0	60.9	59.7	60.2	60.3
30% Exceedance	57.3	53.8	50.4	49.2	50.2	54.1	58.7	60.5	60.1	58.8	58.8	59.0
40% Exceedance	56.4	53.4	50.0	48.8	49.7	53.6	58.2	60.1	59.8	58.4	58.5	58.8
50% Exceedance	56.0	53.1	49.8	48.1	49.5	53.2	57.6	59.6	59.4	57.9	58.2	58.2
60% Exceedance	55.6	52.9	49.6	47.7	48.9	52.7	57.2	59.2	58.9	57.4	57.9	57.6
70% Exceedance	55.4	52.6	49.1	47.4	48.3	51.9	56.7	59.0	58.2	57.1	57.8	57.3
80% Exceedance	55.1	52.4	48.7	47.1	47.9	51.1	55.9	58.4	58.0	56.8	57.5	57.0
90% Exceedance	54.7	52.0	48.2	46.8	47.4	49.8	54.8	57.7	57.6	56.3	57.1	56.6
Full Simulation Period Average^a	56.8	53.4	49.7	48.4	49.4	52.9	57.5	59.8	59.5	58.2	59.0	59.0
Wet Years (28%)	55.0	52.8	50.1	47.5	48.1	51.1	55.9	60.2	60.0	58.0	58.2	57.0
Above Normal Years (14%)	55.5	52.5	49.2	47.9	48.4	52.1	57.6	59.9	59.2	57.0	57.5	56.9
Below Normal Years (18%)	56.6	53.5	49.5	48.2	49.9	53.6	58.1	59.0	59.1	57.8	58.2	58.9
Dry Years (24%)	57.0	53.6	50.0	49.1	49.9	53.7	58.3	59.7	58.7	58.0	58.7	59.2
Critical Years (16%)	61.0	55.2	49.4	49.8	51.1	54.4	58.2	60.2	60.1	60.4	63.2	64.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-4 c. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.1	0.1	0.2	0.3	-0.3	-0.9	-0.6	-0.4	-0.4	0.1	0.3
20% Exceedance	0.4	0.6	0.1	0.4	0.1	-0.1	-0.3	-0.5	-0.4	-0.9	-0.8	-0.3
30% Exceedance	0.3	0.1	-0.0	0.3	0.1	-0.1	-0.2	-0.7	-0.5	-0.5	-0.7	-0.7
40% Exceedance	-0.1	-0.1	-0.1	0.3	0.1	-0.3	-0.3	-0.7	-0.5	-0.2	-0.2	-0.2
50% Exceedance	0.1	-0.1	0.1	0.2	0.1	-0.0	-0.2	-0.7	-0.4	-0.4	-0.2	-0.3
60% Exceedance	-0.1	-0.0	0.1	0.1	0.1	0.1	-0.1	-0.8	-0.6	-0.2	-0.2	-0.2
70% Exceedance	-0.1	-0.0	-0.1	0.1	0.1	0.1	0.1	-0.6	-0.4	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.0	0.1	0.1	0.2	0.0	0.0	-0.7	-0.4	0.1	-0.1	-0.3
90% Exceedance	-0.2	0.1	-0.0	0.3	0.3	0.1	0.0	-0.5	-0.2	0.1	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.2	-0.0	-0.2	-0.6	-0.3	-0.2	-0.1	-0.2
Wet Years (28%)	-0.2	0.1	0.2	0.1	0.1	0.0	0.0	-0.7	-0.4	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	-0.0	0.2	0.2	0.0	0.1	-0.8	-0.3	-0.1	-0.2	-0.3
Below Normal Years (18%)	0.2	0.2	0.0	0.1	0.2	-0.0	0.0	-0.8	-0.4	0.1	-0.2	-0.5
Dry Years (24%)	0.0	0.1	0.1	0.2	0.1	0.1	0.1	-0.7	-0.2	-0.3	-0.5	-0.3
Critical Years (16%)	0.3	0.2	-0.2	0.3	0.3	-0.5	-1.3	0.1	-0.4	-0.7	0.7	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-5 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-5 b. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.9	55.4	51.2	50.6	51.5	55.3	59.7	61.7	61.7	60.7	61.6	62.7
20% Exceedance	58.1	54.6	50.7	49.7	50.5	54.7	59.2	61.0	60.9	59.7	59.9	60.4
30% Exceedance	57.3	53.8	50.4	49.2	50.1	54.2	58.5	60.5	60.3	59.0	59.0	59.2
40% Exceedance	56.3	53.4	50.0	48.8	49.7	53.9	58.0	60.1	59.9	58.4	58.6	58.7
50% Exceedance	56.0	53.1	49.8	48.2	49.5	53.3	57.6	59.8	59.6	57.9	58.2	58.0
60% Exceedance	55.6	52.9	49.6	47.7	48.9	52.8	57.0	59.3	59.1	57.4	58.0	57.6
70% Exceedance	55.4	52.6	49.1	47.4	48.3	51.9	56.6	59.0	58.5	57.1	57.8	57.3
80% Exceedance	55.1	52.4	48.7	47.1	47.8	51.1	55.7	58.3	58.1	56.9	57.5	57.0
90% Exceedance	54.7	52.0	48.2	46.7	47.3	49.8	54.9	57.8	57.7	56.4	57.1	56.5
Full Simulation Period Average^a	56.8	53.4	49.7	48.4	49.3	52.9	57.4	59.8	59.6	58.3	59.1	59.1
Wet Years (28%)	55.0	52.8	50.1	47.5	48.0	51.1	55.9	60.2	60.1	58.0	58.2	57.0
Above Normal Years (14%)	55.5	52.5	49.2	47.9	48.3	52.1	57.3	59.9	59.6	57.0	57.6	56.9
Below Normal Years (18%)	56.5	53.4	49.5	48.2	49.9	53.6	57.7	58.9	59.4	57.9	58.3	58.8
Dry Years (24%)	56.9	53.5	50.0	49.0	49.9	53.8	58.3	59.9	58.9	58.0	58.7	59.2
Critical Years (16%)	61.3	55.3	49.4	49.7	51.0	54.6	58.3	60.0	60.2	60.4	63.1	64.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-5 c. Sacramento River below Red Bluff Diversion Dam, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.7	-0.0	0.1	0.2	0.2	-0.2	-0.7	-0.7	-0.2	-0.4	-0.0	0.9
20% Exceedance	0.2	0.5	0.0	0.3	0.1	-0.1	-0.4	-0.5	-0.4	-0.9	-1.0	-0.2
30% Exceedance	0.3	0.1	-0.1	0.3	0.1	-0.0	-0.4	-0.7	-0.2	-0.3	-0.5	-0.5
40% Exceedance	-0.2	-0.1	0.0	0.3	0.1	-0.1	-0.5	-0.7	-0.3	-0.2	-0.1	-0.3
50% Exceedance	0.1	-0.1	0.1	0.3	0.1	0.1	-0.3	-0.6	-0.3	-0.4	-0.2	-0.4
60% Exceedance	-0.1	0.0	0.1	0.1	0.1	0.2	-0.3	-0.6	-0.4	-0.2	-0.2	-0.2
70% Exceedance	-0.2	-0.1	-0.0	0.1	0.1	0.1	0.0	-0.7	-0.1	-0.1	-0.1	-0.2
80% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	-0.2	-0.8	-0.2	0.1	-0.1	-0.3
90% Exceedance	-0.2	0.1	0.0	0.2	0.2	0.1	0.1	-0.5	-0.1	0.2	-0.1	-0.2
Full Simulation Period Average^a	0.0	0.1	0.1	0.2	0.1	-0.0	-0.3	-0.6	-0.2	-0.2	-0.1	-0.1
Wet Years (28%)	-0.2	0.1	0.3	0.1	0.1	0.0	-0.0	-0.7	-0.3	-0.2	-0.2	-0.2
Above Normal Years (14%)	-0.1	-0.1	0.1	0.2	0.1	0.0	-0.2	-0.8	0.0	-0.1	-0.1	-0.3
Below Normal Years (18%)	0.1	0.2	0.0	0.1	0.1	-0.0	-0.3	-0.8	-0.1	0.2	-0.1	-0.6
Dry Years (24%)	-0.0	0.1	0.1	0.2	0.1	0.1	0.1	-0.5	0.0	-0.3	-0.5	-0.4
Critical Years (16%)	0.6	0.2	-0.2	0.2	0.2	-0.3	-1.2	-0.1	-0.3	-0.6	0.6	1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-6 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-6 b. Sacramento River below Red Bluff Diversion Dam, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.0	55.4	51.0	50.6	51.4	55.9	60.0	61.4	62.3	61.3	61.1	61.5
20% Exceedance	57.7	54.1	50.6	49.7	50.5	55.0	59.6	60.6	61.4	59.7	59.2	60.2
30% Exceedance	57.1	53.8	50.3	49.1	50.3	54.4	59.1	60.0	61.1	59.2	58.9	59.5
40% Exceedance	56.3	53.5	49.9	48.8	49.7	53.9	58.7	59.5	60.5	58.6	58.5	59.1
50% Exceedance	56.1	53.2	49.8	48.0	49.4	53.2	58.1	59.2	60.2	58.2	58.2	58.6
60% Exceedance	55.9	53.0	49.6	47.6	49.0	52.8	57.7	58.9	59.7	57.6	57.9	58.3
70% Exceedance	55.6	52.9	49.3	47.4	48.4	51.8	56.7	58.5	58.9	57.4	57.5	57.8
80% Exceedance	55.2	52.5	49.0	47.1	47.8	51.1	55.9	58.0	58.4	57.1	57.2	57.3
90% Exceedance	54.8	52.1	48.4	46.7	47.2	49.8	55.1	57.6	57.9	56.9	57.0	56.8
Full Simulation Period Average^a	56.6	53.5	49.8	48.4	49.3	53.0	57.8	59.4	60.2	58.5	58.6	59.0
Wet Years (28%)	55.2	52.8	49.9	47.4	48.0	51.0	55.8	59.3	61.3	58.4	58.7	57.6
Above Normal Years (14%)	55.6	52.7	49.4	47.8	48.3	52.1	57.5	58.9	60.8	57.9	57.8	57.5
Below Normal Years (18%)	56.4	53.2	49.5	48.2	49.9	53.7	58.3	59.2	59.7	58.2	57.8	59.1
Dry Years (24%)	57.0	53.6	50.0	49.0	49.8	54.0	58.8	59.3	58.9	57.9	57.9	59.6
Critical Years (16%)	59.8	55.4	49.9	50.0	51.2	55.1	59.0	60.2	60.2	60.6	60.8	61.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-6 c. Sacramento River below Red Bluff Diversion Dam, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	-0.0	-0.1	0.2	0.1	0.4	-0.4	-1.0	0.4	0.2	-0.5	-0.4
20% Exceedance	-0.3	0.0	0.0	0.3	0.1	0.2	-0.0	-0.9	0.1	-0.9	-1.7	-0.4
30% Exceedance	0.2	0.0	-0.1	0.2	0.2	0.2	0.2	-1.2	0.5	-0.1	-0.6	-0.2
40% Exceedance	-0.2	-0.0	-0.1	0.3	0.1	-0.0	0.2	-1.3	0.3	-0.0	-0.2	0.1
50% Exceedance	0.2	-0.1	0.1	0.1	0.0	0.0	0.3	-1.2	0.3	-0.1	-0.2	0.1
60% Exceedance	0.2	0.2	0.2	0.0	0.1	0.2	0.4	-1.1	0.2	0.0	-0.3	0.5
70% Exceedance	0.1	0.2	0.2	0.1	0.2	-0.0	0.1	-1.1	0.3	0.2	-0.4	0.3
80% Exceedance	0.0	0.1	0.4	0.2	0.1	0.1	-0.1	-1.1	0.1	0.3	-0.4	-0.0
90% Exceedance	-0.1	0.2	0.2	0.2	0.1	0.1	0.3	-0.6	0.0	0.7	-0.2	0.0
Full Simulation Period Average^a	-0.2	0.1	0.1	0.2	0.1	0.1	0.1	-1.0	0.4	0.1	-0.6	-0.2
Wet Years (28%)	0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	-1.6	0.9	0.2	0.3	0.4
Above Normal Years (14%)	-0.0	0.1	0.3	0.1	0.0	-0.0	0.0	-1.7	1.2	0.8	0.1	0.4
Below Normal Years (18%)	-0.1	-0.1	0.0	0.1	0.2	0.1	0.3	-0.6	0.2	0.5	-0.6	-0.3
Dry Years (24%)	0.0	0.2	0.1	0.2	0.0	0.4	0.5	-1.0	0.0	-0.4	-1.3	-0.0
Critical Years (16%)	-1.0	0.4	0.3	0.5	0.5	0.2	-0.5	0.1	-0.3	-0.4	-1.6	-1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-7 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-7 b. Sacramento River below Red Bluff Diversion Dam, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	58.5	55.0	52.2	50.4	51.4	55.5	60.5	62.2	62.2	61.6	61.7	61.2
20% Exceedance	57.8	53.9	51.4	49.5	50.5	54.8	59.4	61.3	61.3	60.3	60.2	60.3
30% Exceedance	57.1	53.5	50.9	49.0	50.1	54.4	58.8	60.9	60.7	59.3	59.2	59.3
40% Exceedance	56.4	53.3	50.6	48.4	49.7	53.8	58.4	60.6	60.2	58.7	58.8	58.8
50% Exceedance	56.1	53.0	50.0	47.9	49.4	53.2	57.7	60.1	60.0	58.3	58.6	58.5
60% Exceedance	55.9	52.8	49.6	47.4	48.8	52.7	57.2	59.8	59.5	57.6	58.4	58.2
70% Exceedance	55.7	52.6	49.4	47.2	48.3	51.8	56.6	59.1	58.6	57.2	58.1	57.9
80% Exceedance	55.3	52.4	48.9	47.1	47.7	51.0	55.9	58.7	58.1	56.9	57.7	57.7
90% Exceedance	55.1	51.9	48.4	46.7	47.1	49.6	55.1	57.8	57.8	56.2	57.5	57.3
Full Simulation Period Average^a	56.7	53.2	50.2	48.2	49.2	52.9	57.6	60.1	59.9	58.5	59.1	59.0
Wet Years (28%)	55.4	52.7	50.4	47.3	47.9	51.0	55.9	60.4	60.4	58.3	58.6	57.6
Above Normal Years (14%)	56.0	52.6	49.7	47.7	48.2	52.0	57.5	60.1	59.6	57.1	58.0	58.1
Below Normal Years (18%)	56.4	53.0	49.8	48.1	49.9	53.7	57.9	59.3	59.5	57.7	58.4	59.2
Dry Years (24%)	56.8	53.3	50.5	48.8	49.8	53.6	58.3	60.2	58.9	58.2	58.9	59.1
Critical Years (16%)	60.0	55.1	50.0	49.7	50.9	55.0	59.5	60.2	61.0	61.5	62.0	61.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-7 c. Sacramento River below Red Bluff Diversion Dam, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.7	-0.4	1.2	-0.1	0.1	-0.0	0.1	-0.2	0.3	0.4	0.1	-0.6
20% Exceedance	-0.2	-0.1	0.8	0.1	0.1	0.0	-0.2	-0.2	0.0	-0.3	-0.8	-0.4
30% Exceedance	0.1	-0.2	0.4	0.1	0.1	0.2	-0.1	-0.2	0.2	0.1	-0.3	-0.4
40% Exceedance	-0.1	-0.2	0.5	-0.0	0.1	-0.1	-0.1	-0.2	-0.1	0.1	0.0	-0.1
50% Exceedance	0.2	-0.2	0.3	0.0	0.0	0.0	-0.1	-0.3	0.1	-0.0	0.2	0.0
60% Exceedance	0.2	-0.1	0.2	-0.1	-0.0	0.0	-0.1	-0.2	0.0	0.0	0.3	0.4
70% Exceedance	0.1	-0.1	0.2	-0.0	0.1	-0.0	-0.0	-0.5	0.1	-0.0	0.2	0.4
80% Exceedance	0.1	-0.1	0.3	0.1	-0.0	-0.1	-0.1	-0.4	-0.2	0.1	0.2	0.3
90% Exceedance	0.2	0.0	0.2	0.2	-0.0	-0.1	0.3	-0.5	-0.0	0.0	0.3	0.6
Full Simulation Period Average^a	-0.0	-0.1	0.5	0.0	0.0	0.0	-0.0	-0.3	0.1	0.1	-0.0	-0.2
Wet Years (28%)	0.2	0.0	0.6	-0.1	-0.0	-0.1	-0.0	-0.5	0.0	0.1	0.2	0.4
Above Normal Years (14%)	0.4	-0.0	0.6	0.0	0.0	-0.1	0.0	-0.5	0.0	-0.0	0.3	1.0
Below Normal Years (18%)	-0.0	-0.3	0.3	0.0	0.1	0.0	-0.2	-0.5	-0.1	0.1	-0.1	-0.2
Dry Years (24%)	-0.1	-0.2	0.5	0.0	0.0	0.0	-0.0	-0.2	0.0	-0.1	-0.3	-0.4
Critical Years (16%)	-0.8	0.0	0.5	0.2	0.1	0.2	-0.0	0.2	0.5	0.5	-0.5	-1.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-8 a. Sacramento River below Red Bluff Diversion Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.2	55.4	51.1	50.4	51.2	55.5	60.4	62.4	61.9	61.1	61.6	61.8
20% Exceedance	57.9	54.1	50.6	49.4	50.4	54.8	59.6	61.5	61.3	60.6	60.9	60.6
30% Exceedance	57.0	53.7	50.4	48.9	50.0	54.2	58.9	61.2	60.6	59.3	59.5	59.7
40% Exceedance	56.5	53.5	50.0	48.5	49.6	53.9	58.5	60.8	60.3	58.6	58.7	59.0
50% Exceedance	55.9	53.3	49.7	47.9	49.4	53.2	57.9	60.4	59.9	58.3	58.4	58.5
60% Exceedance	55.7	52.9	49.4	47.6	48.9	52.6	57.3	60.0	59.5	57.6	58.1	57.8
70% Exceedance	55.5	52.7	49.1	47.3	48.2	51.8	56.6	59.6	58.6	57.2	57.9	57.5
80% Exceedance	55.2	52.4	48.6	47.0	47.7	51.1	55.9	59.1	58.3	56.8	57.6	57.3
90% Exceedance	54.9	51.9	48.2	46.5	47.1	49.7	54.8	58.2	57.8	56.2	57.2	56.7
Full Simulation Period Average^a	56.8	53.3	49.7	48.2	49.2	52.9	57.7	60.4	59.8	58.4	59.2	59.2
Wet Years (28%)	55.2	52.7	49.8	47.3	47.9	51.1	55.9	60.9	60.4	58.2	58.4	57.2
Above Normal Years (14%)	55.6	52.6	49.2	47.7	48.2	52.1	57.5	60.7	59.6	57.1	57.7	57.2
Below Normal Years (18%)	56.4	53.2	49.5	48.0	49.8	53.6	58.1	59.7	59.5	57.7	58.4	59.4
Dry Years (24%)	57.0	53.5	49.9	48.8	49.8	53.6	58.3	60.3	58.9	58.3	59.2	59.6
Critical Years (16%)	60.7	55.1	49.6	49.5	50.8	54.9	59.5	60.1	60.5	61.0	62.5	63.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-8 b. Sacramento River below Red Bluff Diversion Dam, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59.0	55.5	51.3	50.6	51.5	55.6	60.1	62.3	61.6	61.0	61.2	61.5
20% Exceedance	58.1	54.2	50.6	49.7	50.6	54.9	59.5	60.7	60.9	59.8	59.9	60.2
30% Exceedance	57.1	53.7	50.4	49.2	50.3	54.4	58.9	60.3	60.2	58.9	58.9	59.2
40% Exceedance	56.2	53.4	50.2	48.8	49.7	54.0	58.1	60.0	60.0	58.4	58.6	58.7
50% Exceedance	56.0	53.1	49.8	48.2	49.5	53.3	57.6	59.8	59.5	57.9	58.3	58.4
60% Exceedance	55.8	52.9	49.6	47.7	49.0	52.7	57.2	59.4	59.1	57.5	58.1	57.9
70% Exceedance	55.5	52.7	49.2	47.4	48.3	51.9	56.5	58.9	58.5	57.1	57.8	57.7
80% Exceedance	55.1	52.4	48.8	47.2	47.7	51.0	56.0	58.2	58.1	56.9	57.5	57.3
90% Exceedance	54.8	52.1	48.1	46.9	47.2	49.8	55.0	57.7	57.7	56.3	57.2	56.6
Full Simulation Period Average^a	56.7	53.4	49.8	48.4	49.4	53.0	57.6	59.7	59.6	58.3	58.8	58.9
Wet Years (28%)	55.2	52.8	50.0	47.5	48.0	51.1	55.9	60.2	60.1	58.0	58.3	57.2
Above Normal Years (14%)	55.6	52.5	49.4	47.9	48.4	52.1	57.3	59.8	59.7	57.0	57.9	58.2
Below Normal Years (18%)	56.4	53.3	49.5	48.2	50.0	53.7	57.6	58.9	59.5	57.8	58.2	58.8
Dry Years (24%)	56.8	53.4	50.0	49.0	49.9	53.8	58.5	59.7	58.7	58.1	58.7	58.9
Critical Years (16%)	60.6	55.4	49.5	49.8	51.2	55.0	59.2	59.9	60.3	61.1	61.4	62.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-13-8 c. Sacramento River below Red Bluff Diversion Dam, Action 5 Minus NAA, Monthly Temperature (DEG-F)

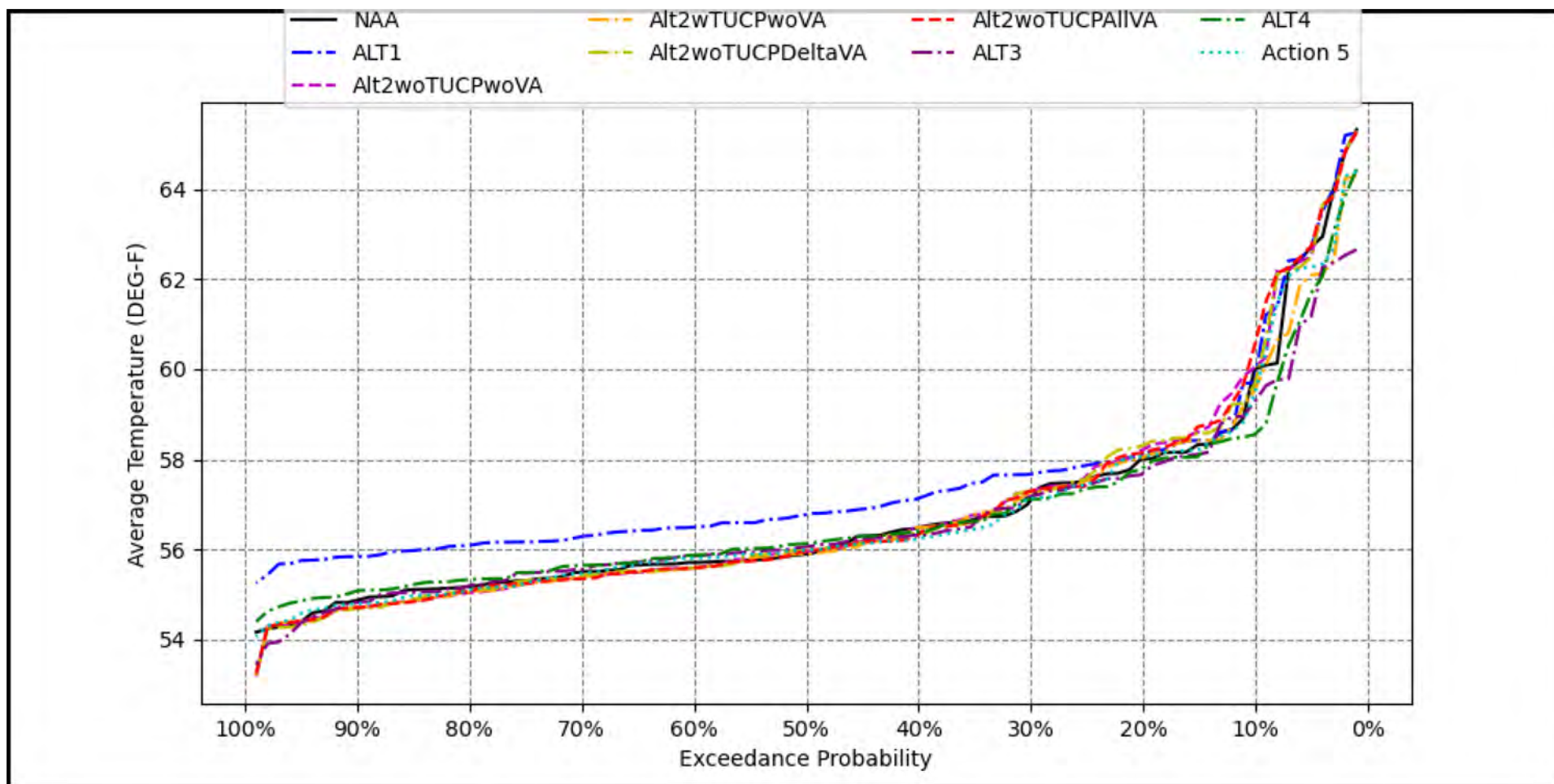
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	0.1	0.2	0.1	0.3	0.1	-0.3	-0.2	-0.3	-0.2	-0.4	-0.3
20% Exceedance	0.1	0.1	-0.0	0.3	0.2	0.2	-0.1	-0.8	-0.4	-0.8	-1.1	-0.4
30% Exceedance	0.1	0.0	-0.1	0.3	0.3	0.3	-0.1	-0.9	-0.3	-0.3	-0.6	-0.5
40% Exceedance	-0.2	-0.1	0.1	0.4	0.1	0.0	-0.3	-0.8	-0.2	-0.2	-0.2	-0.3
50% Exceedance	0.1	-0.1	0.1	0.3	0.1	0.1	-0.3	-0.6	-0.3	-0.4	-0.1	-0.0
60% Exceedance	0.1	0.1	0.1	0.1	0.2	0.1	-0.1	-0.6	-0.4	-0.1	-0.0	0.2
70% Exceedance	-0.0	0.0	0.1	0.1	0.1	0.0	-0.1	-0.7	-0.1	-0.1	-0.1	0.1
80% Exceedance	-0.1	-0.0	0.2	0.2	0.1	-0.0	0.0	-0.8	-0.2	0.1	-0.1	-0.0
90% Exceedance	-0.1	0.2	-0.1	0.4	0.1	0.0	0.2	-0.6	-0.1	0.1	-0.0	-0.1
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.2	0.1	-0.1	-0.6	-0.2	-0.1	-0.4	-0.3
Wet Years (28%)	-0.0	0.1	0.2	0.1	0.1	-0.0	-0.0	-0.7	-0.3	-0.2	-0.1	-0.1
Above Normal Years (14%)	0.0	-0.1	0.2	0.2	0.1	-0.0	-0.2	-0.8	0.1	-0.1	0.1	1.0
Below Normal Years (18%)	0.0	0.1	0.0	0.2	0.2	0.1	-0.5	-0.9	-0.1	0.1	-0.2	-0.6
Dry Years (24%)	-0.2	-0.0	0.1	0.2	0.1	0.2	0.3	-0.7	-0.2	-0.2	-0.5	-0.6
Critical Years (16%)	-0.1	0.4	-0.1	0.3	0.4	0.1	-0.3	-0.2	-0.2	0.1	-1.1	-1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

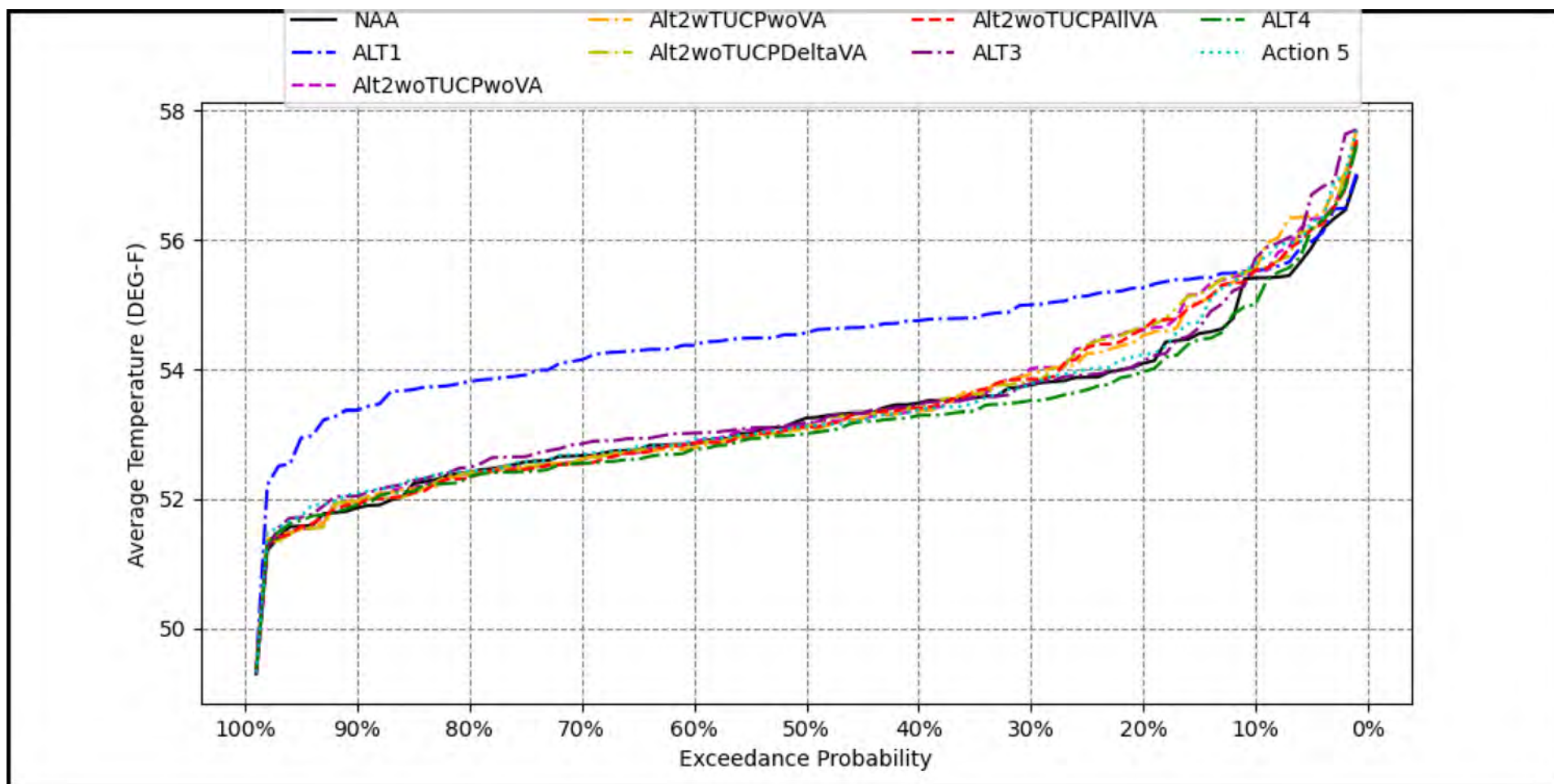
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



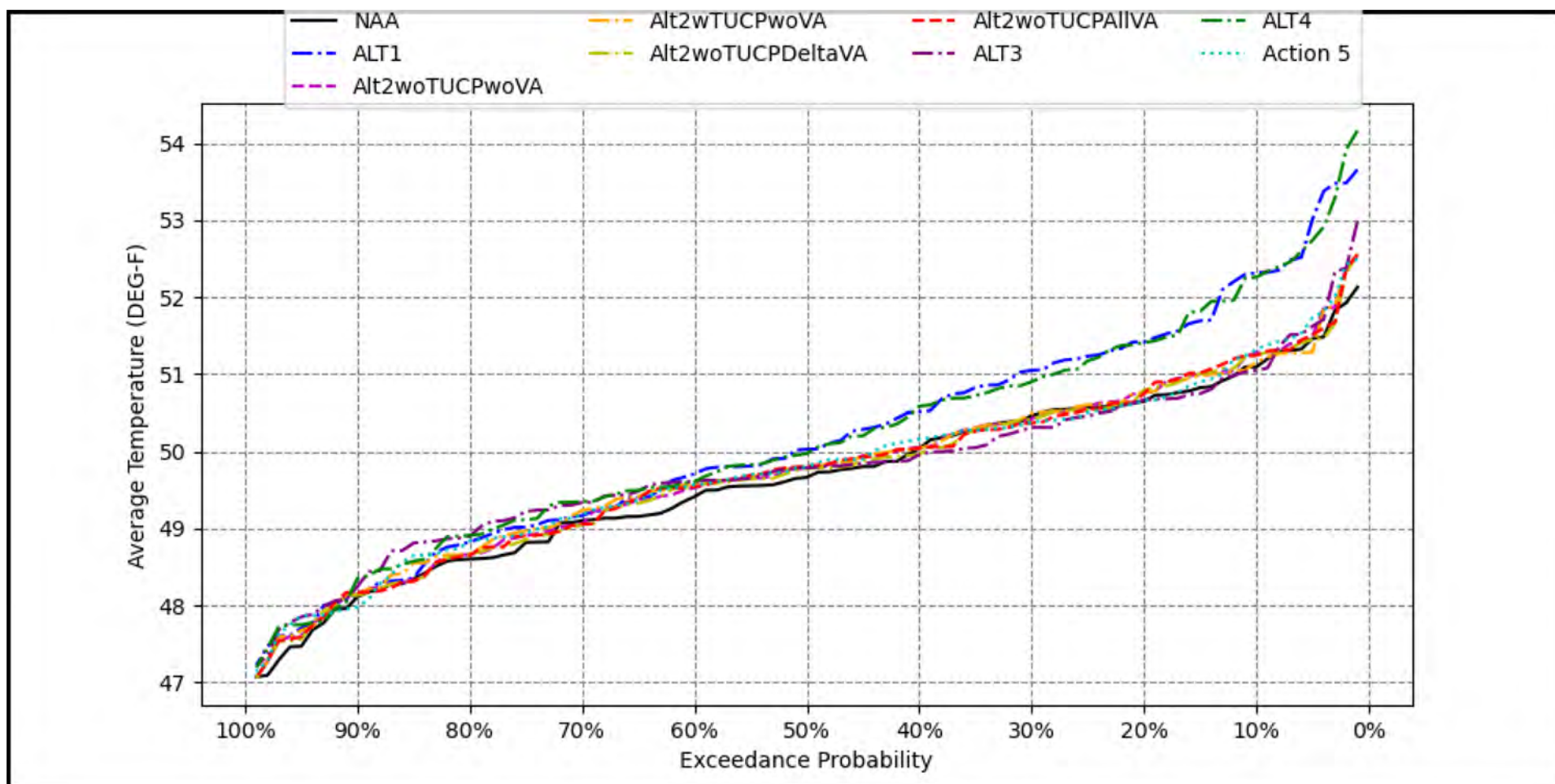
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-1 Sacramento River below Red Bluff Diversion Dam, October Temperature



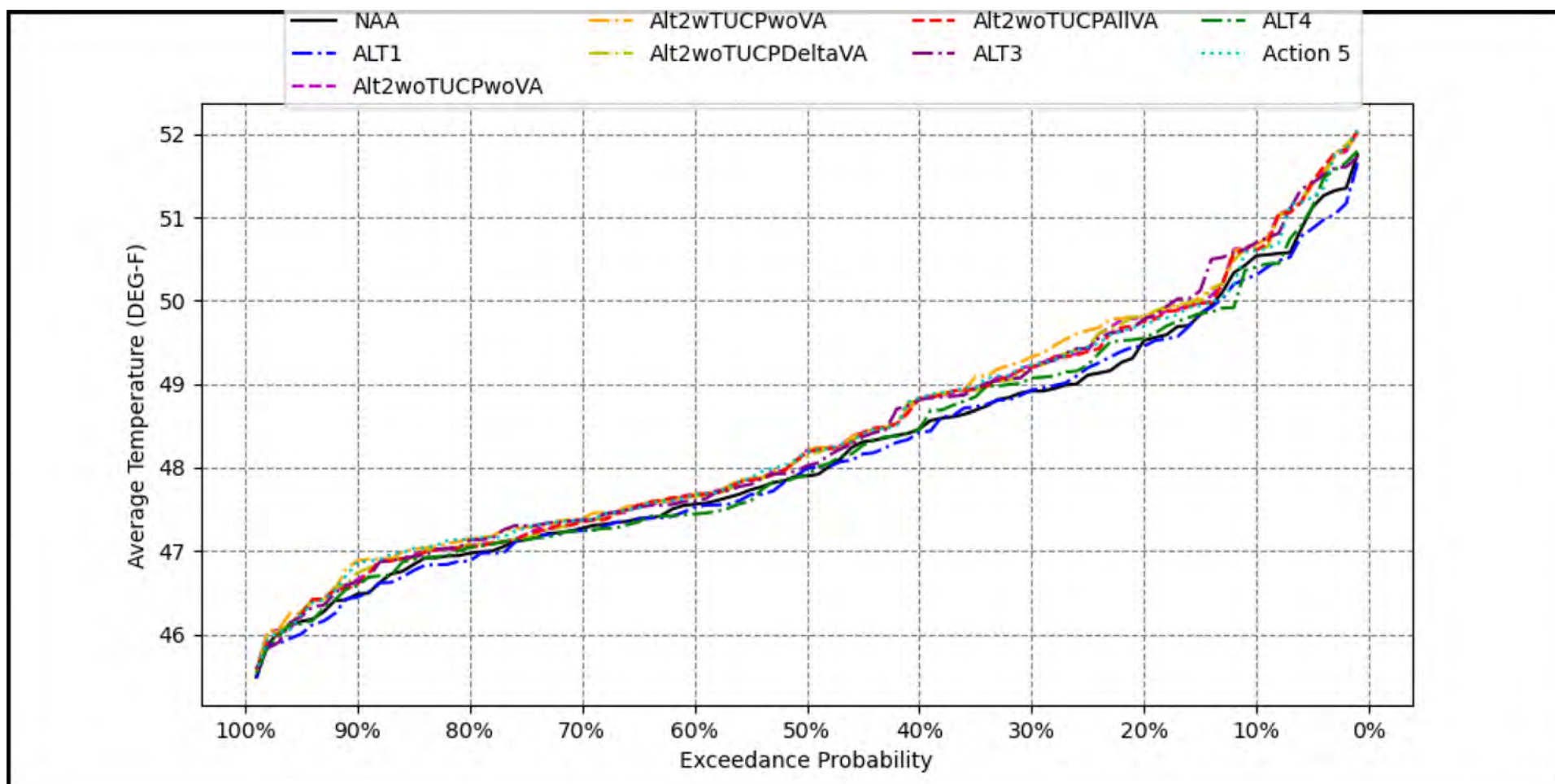
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-2 Sacramento River below Red Bluff Diversion Dam, November Temperature



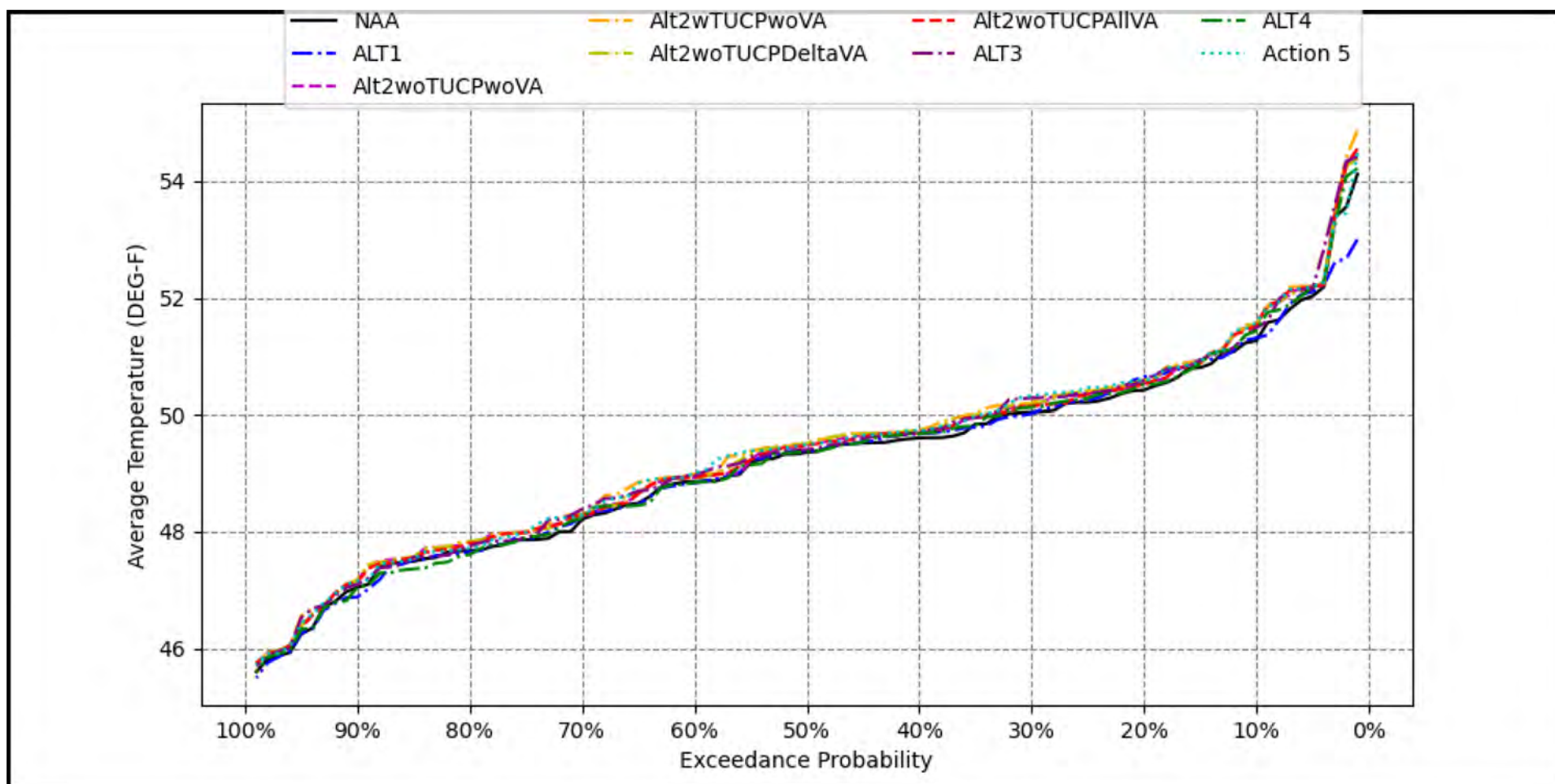
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-3 Sacramento River below Red Bluff Diversion Dam, December Temperature



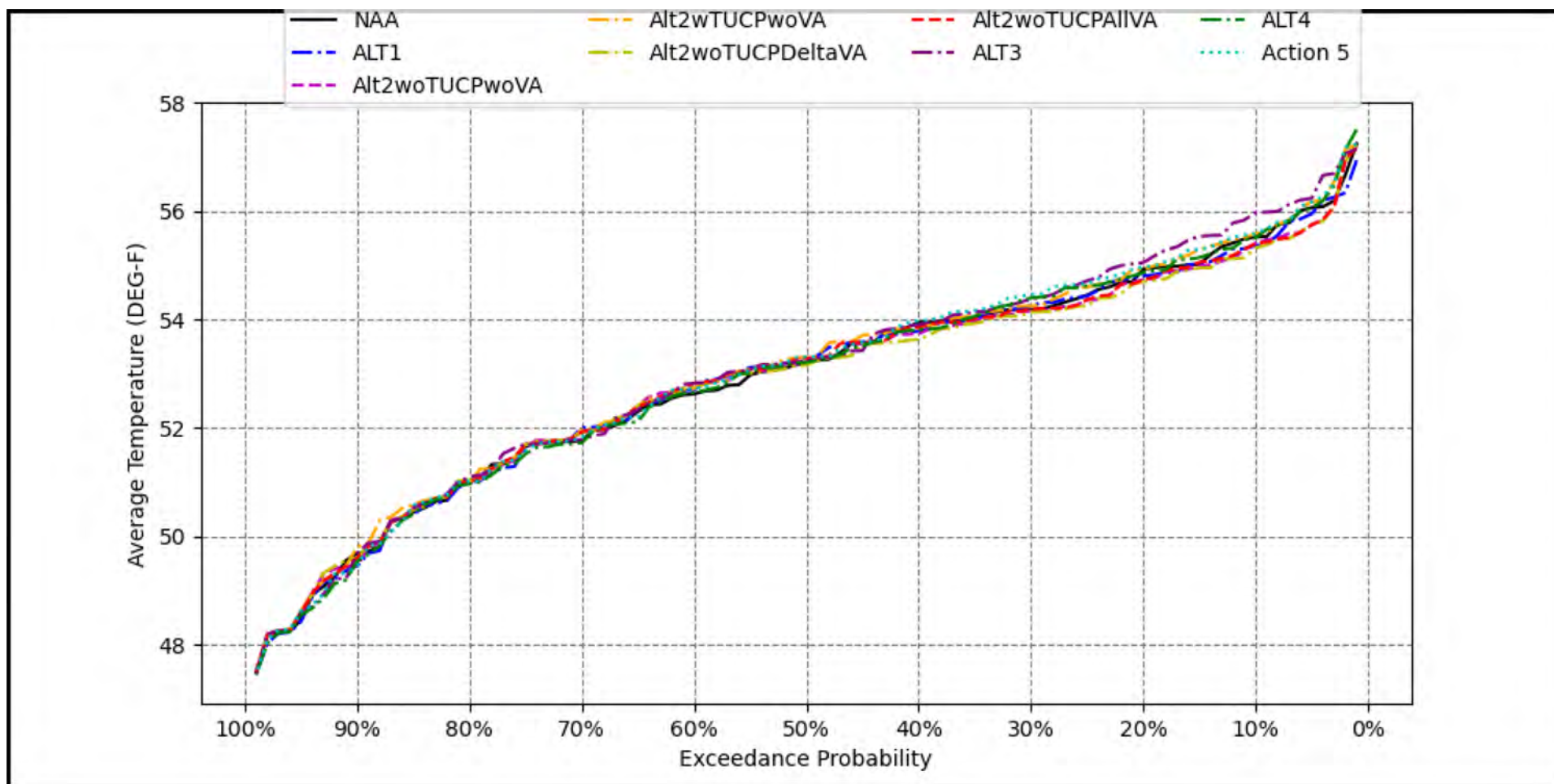
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-4 Sacramento River below Red Bluff Diversion Dam, January Temperature



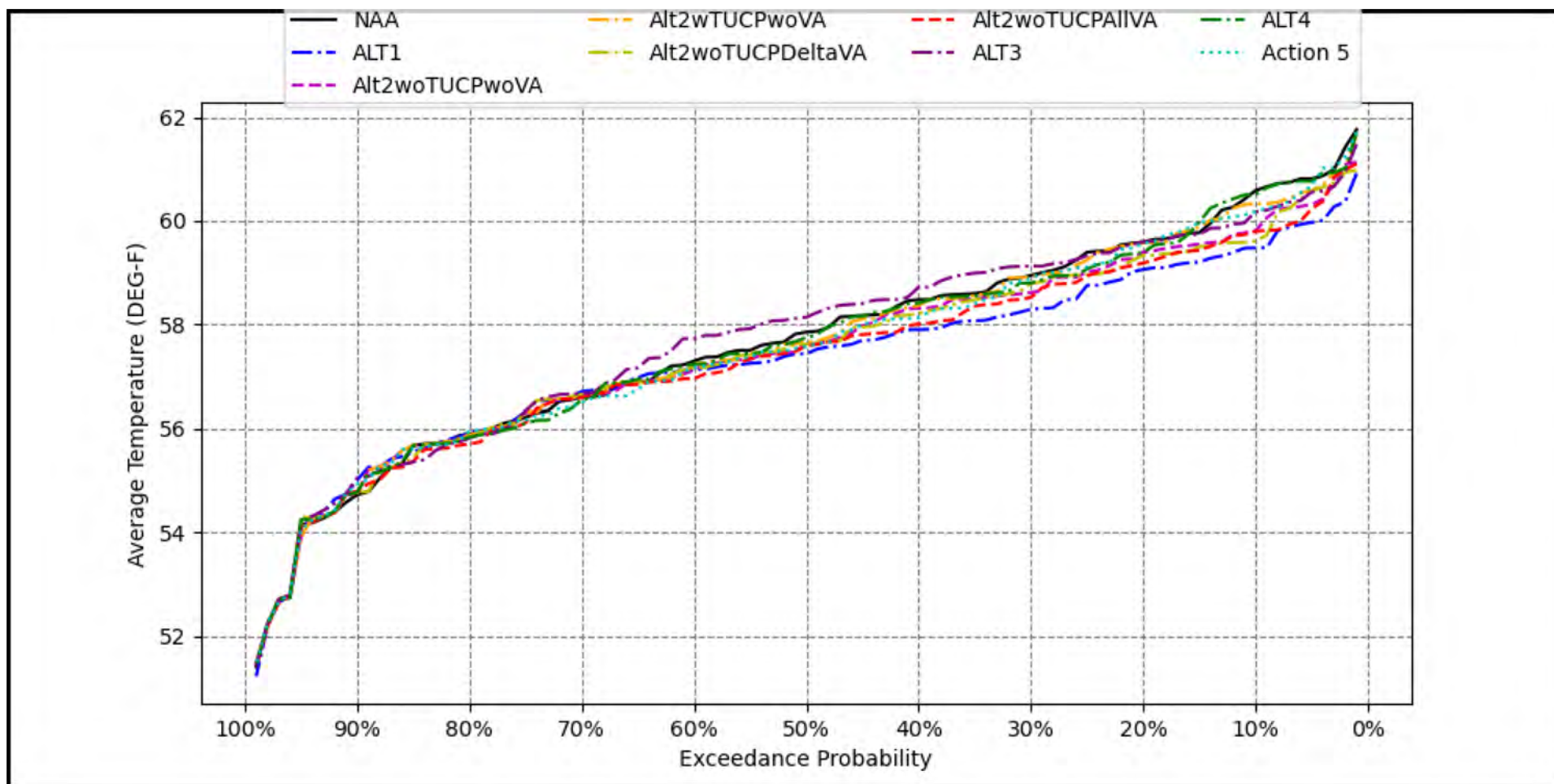
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-5 Sacramento River below Red Bluff Diversion Dam, February Temperature



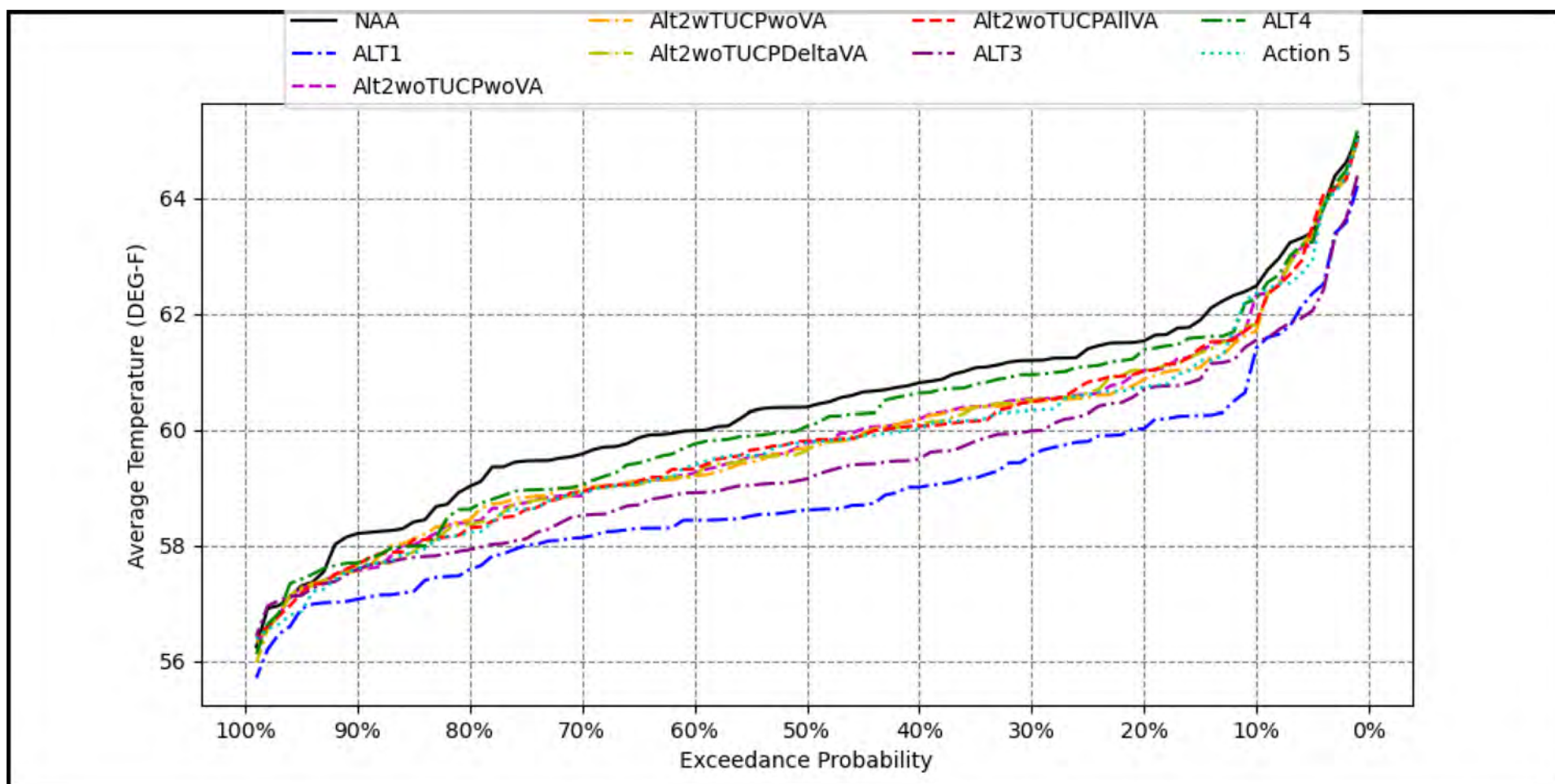
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-6 Sacramento River below Red Bluff Diversion Dam, March Temperature



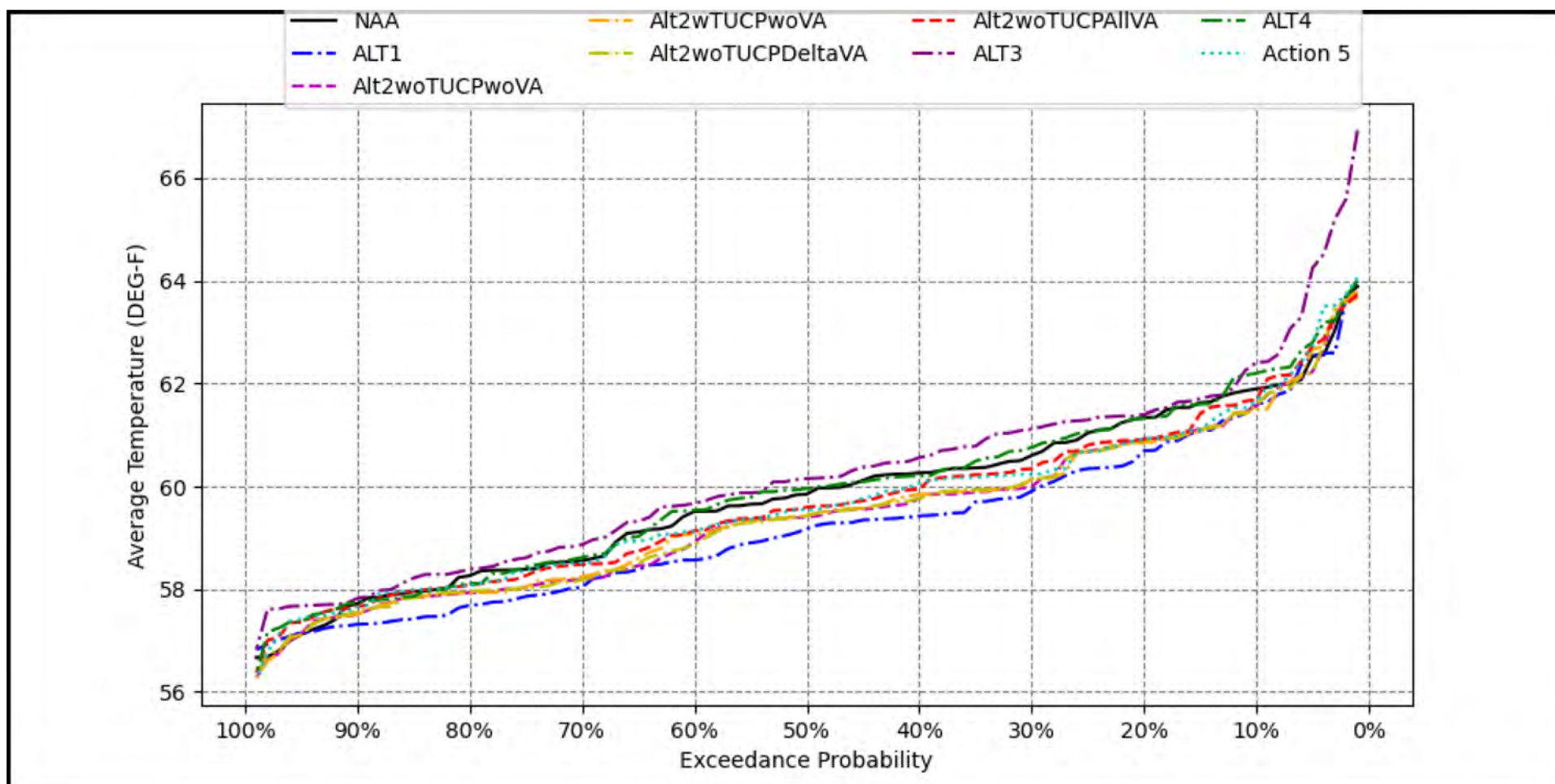
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-7 Sacramento River below Red Bluff Diversion Dam, April Temperature



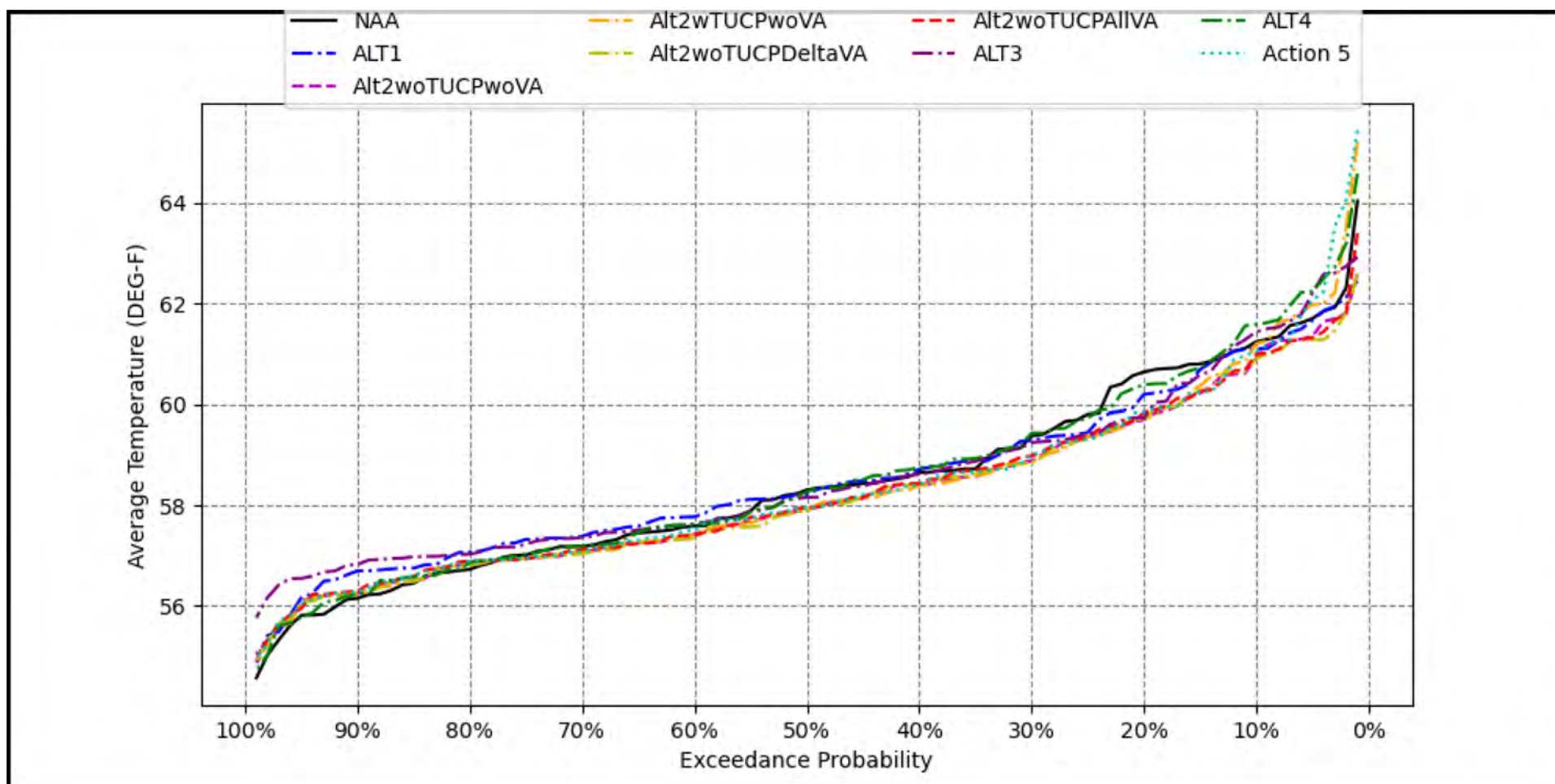
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-8 Sacramento River below Red Bluff Diversion Dam, May Temperature



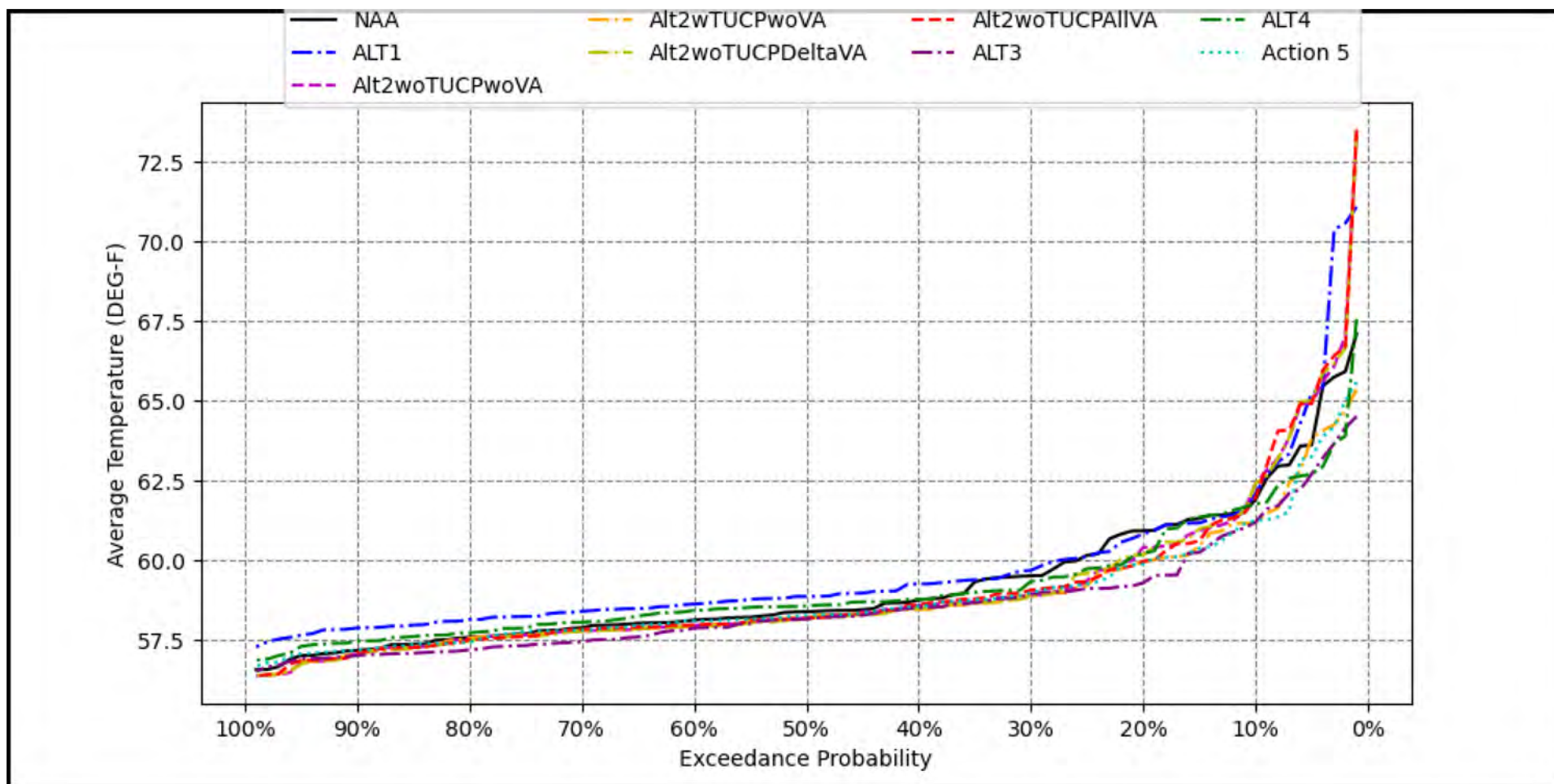
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-9 Sacramento River below Red Bluff Diversion Dam, June Temperature



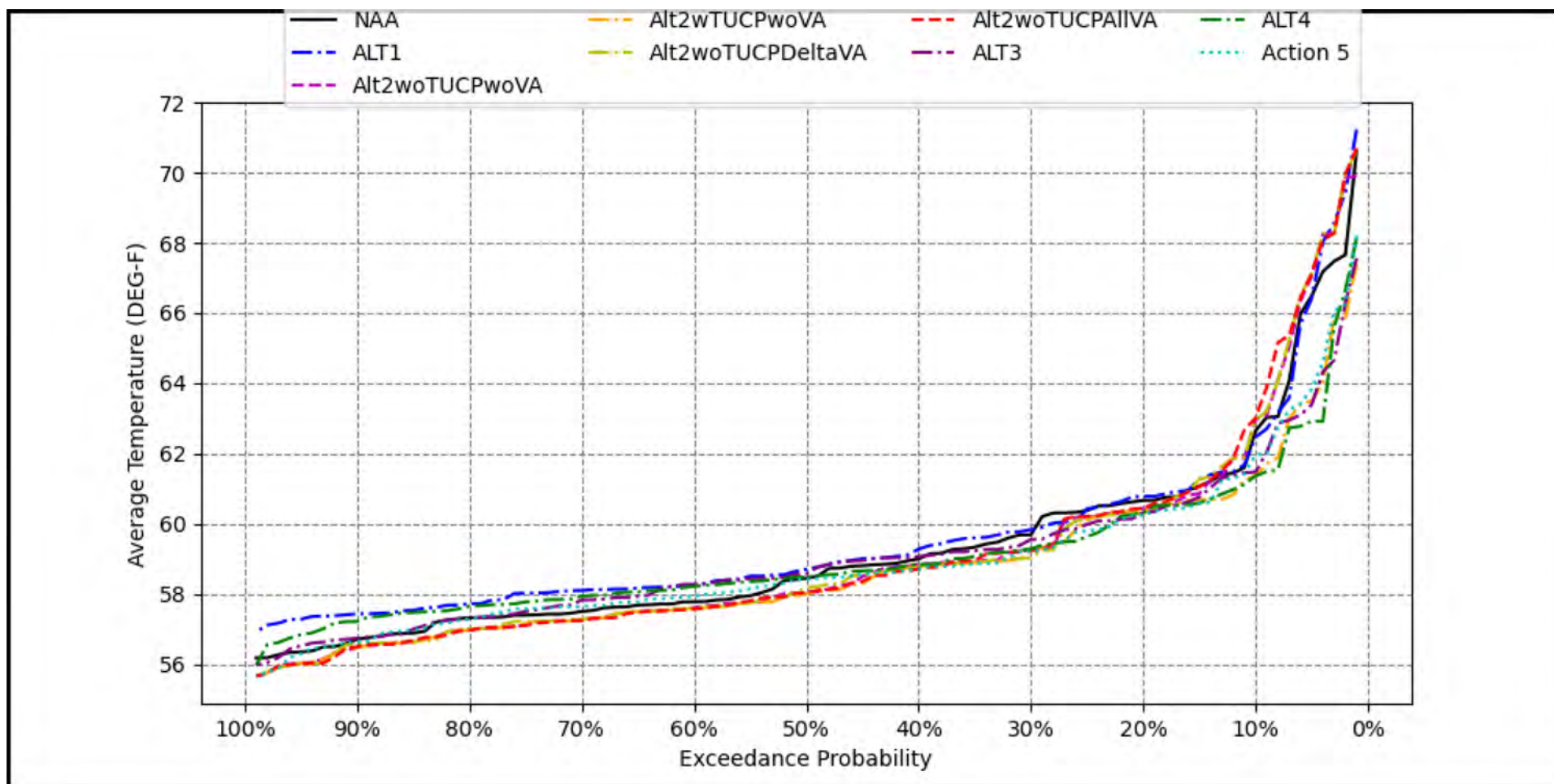
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-10 Sacramento River below Red Bluff Diversion Dam, July Temperature



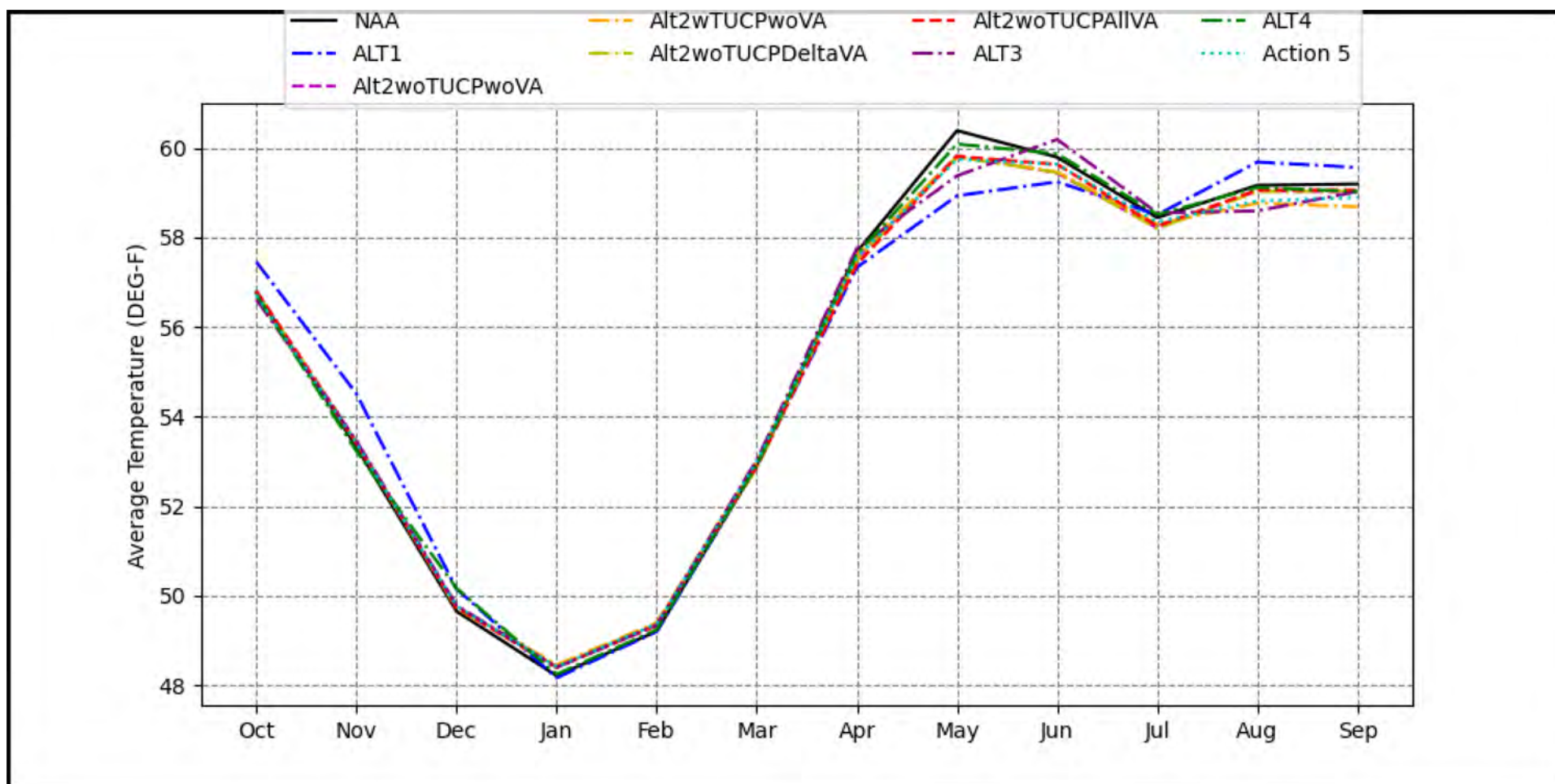
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-11 Sacramento River below Red Bluff Diversion Dam, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-12 Sacramento River below Red Bluff Diversion Dam, September Temperature

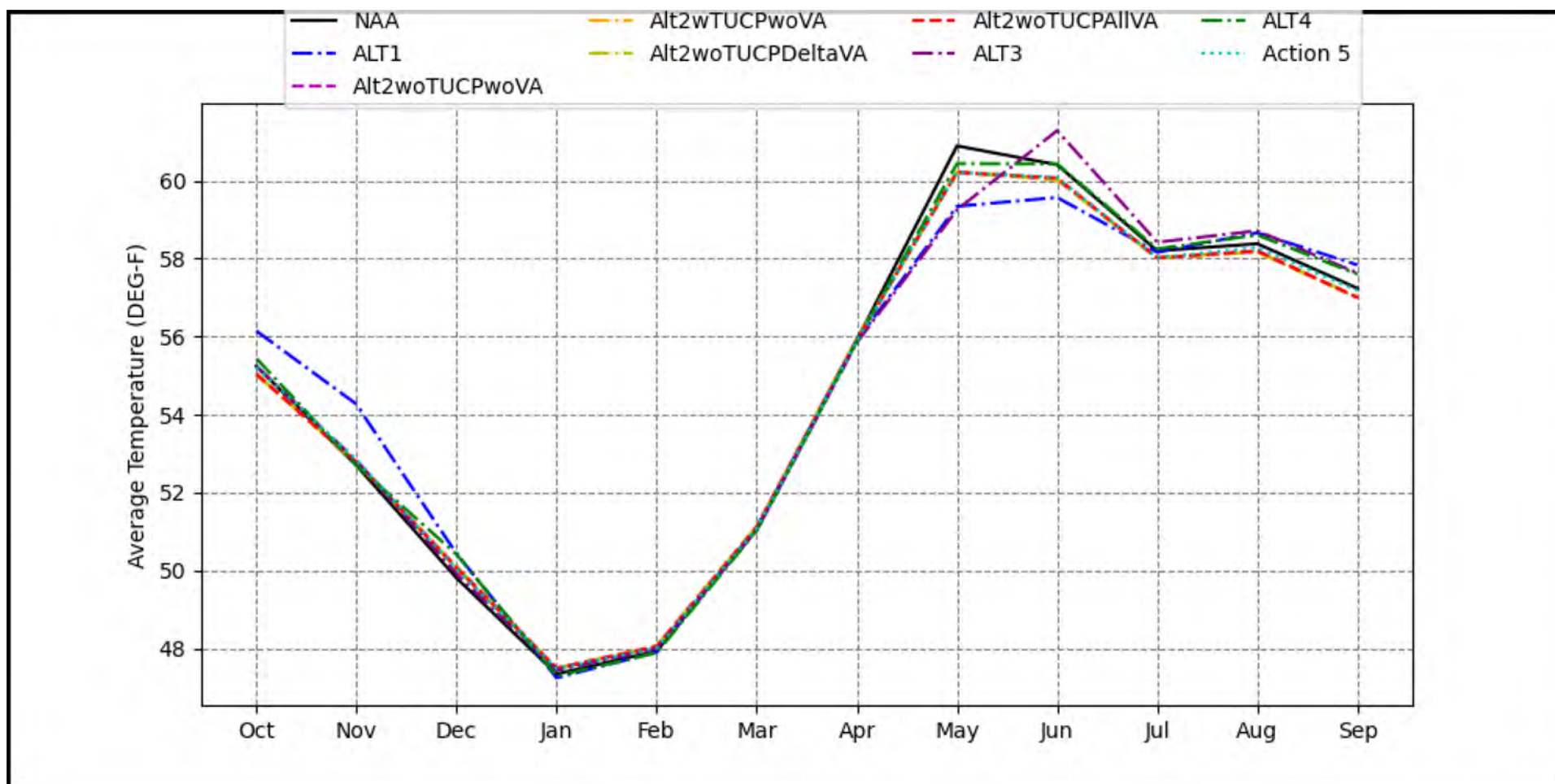


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-13 Sacramento River below Red Bluff Diversion Dam, Long Term Average Temperature (DEG-F)

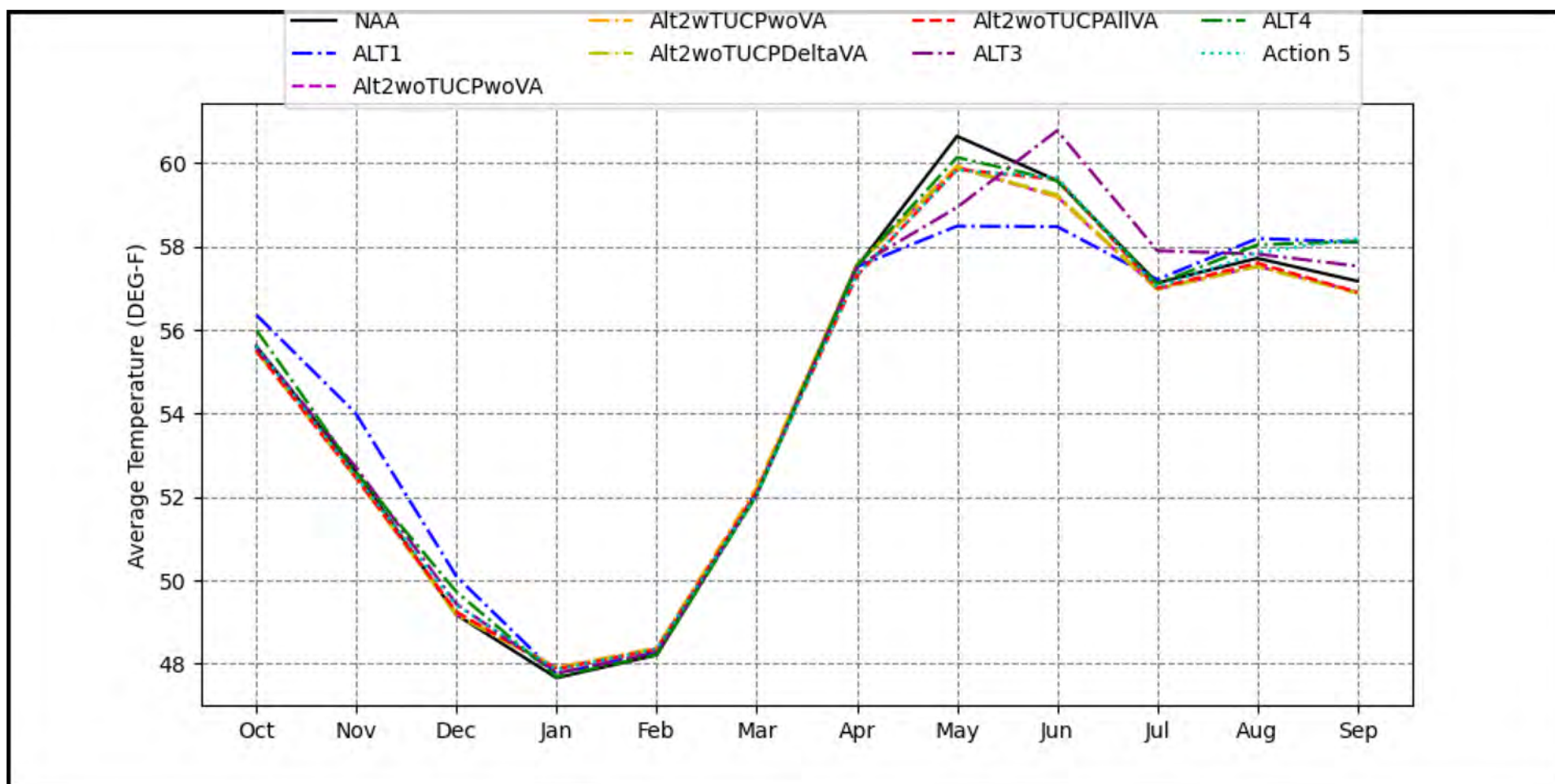


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-14 Sacramento River below Red Bluff Diversion Dam, Wet Year Average Temperature (DEG-F)

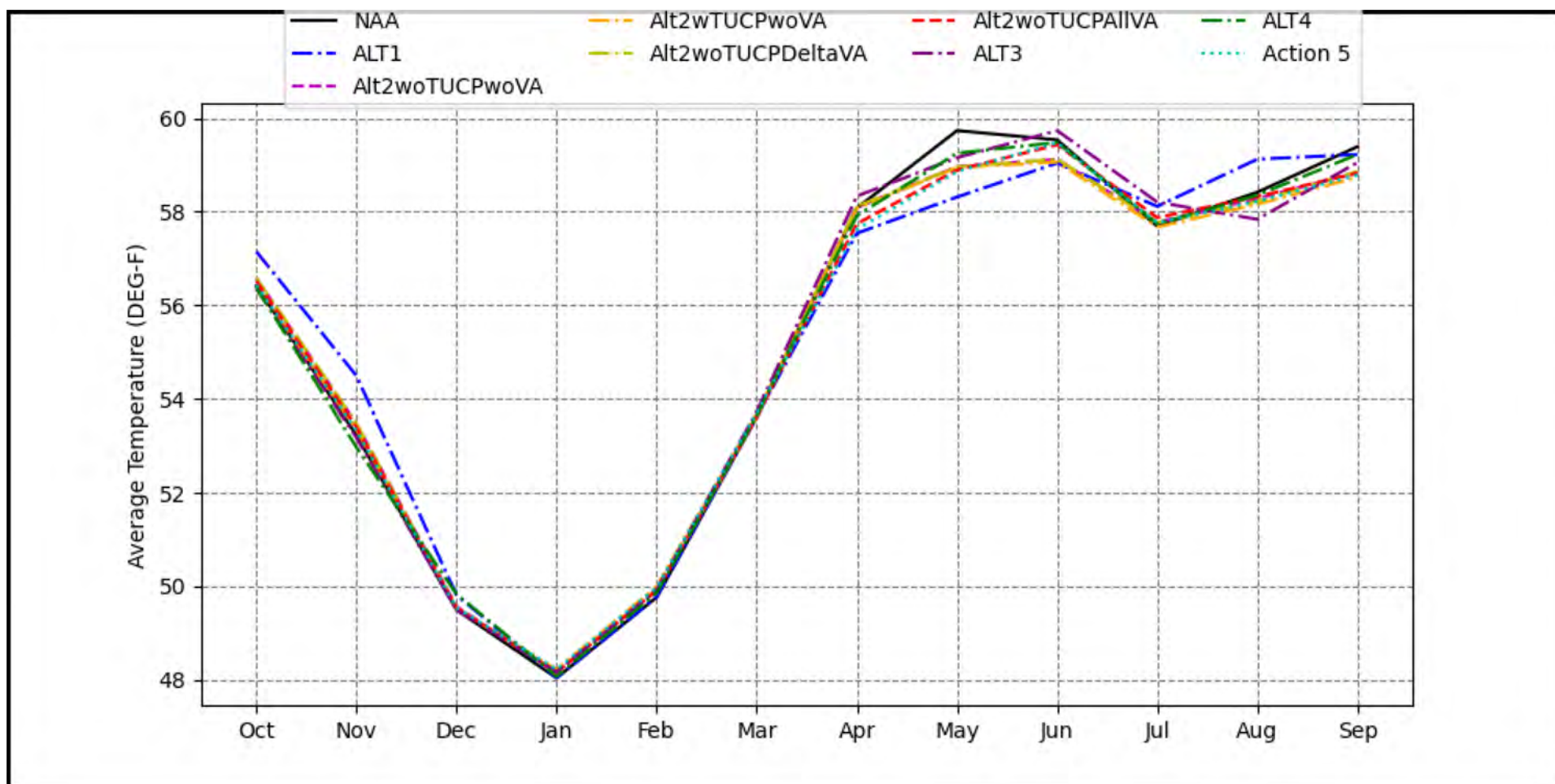


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-15 Sacramento River below Red Bluff Diversion Dam, Above Normal Year Average Temperature (DEG-F)

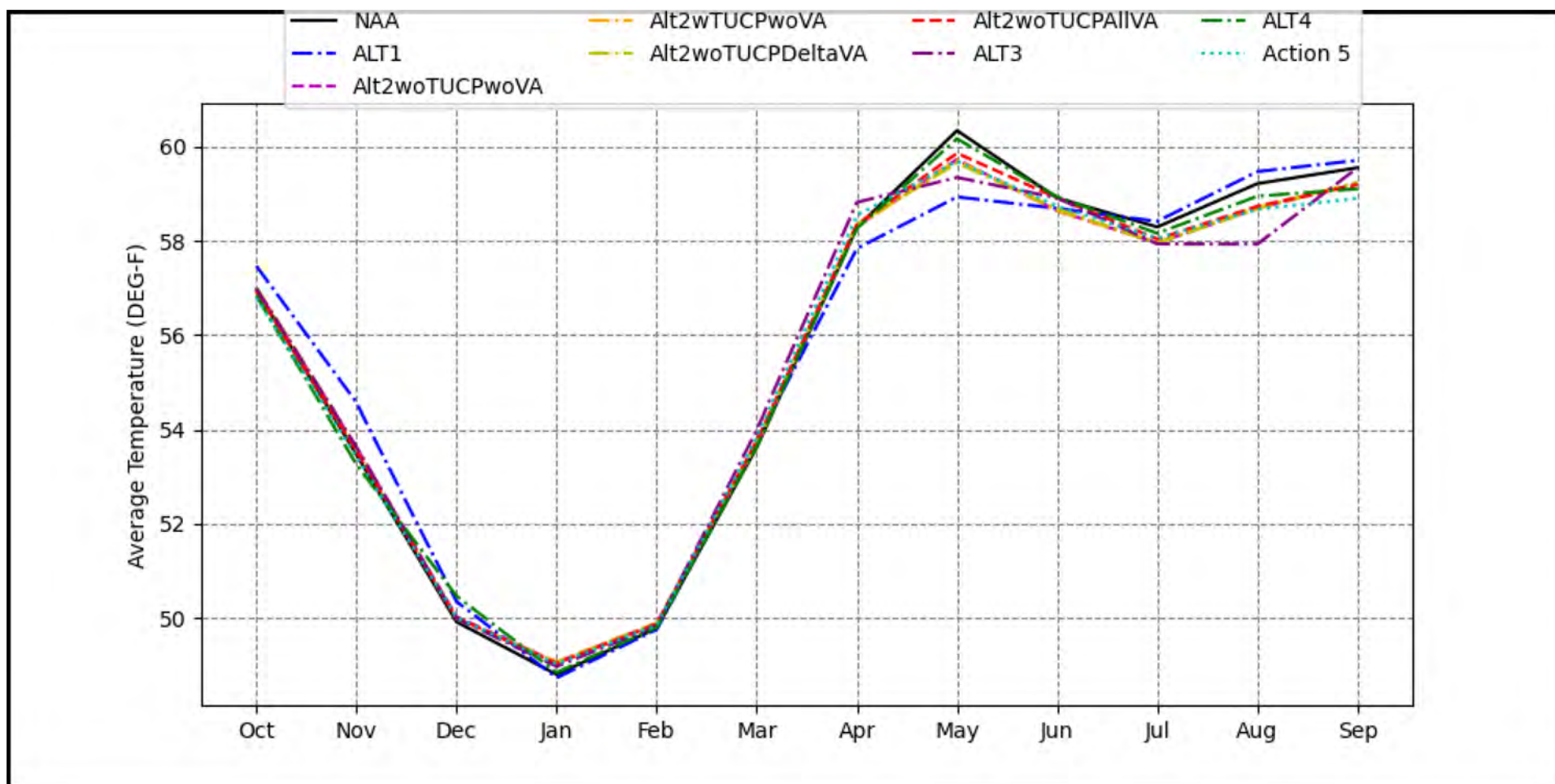


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-16 Sacramento River below Red Bluff Diversion Dam, Below Normal Year Average Temperature (DEG-F)

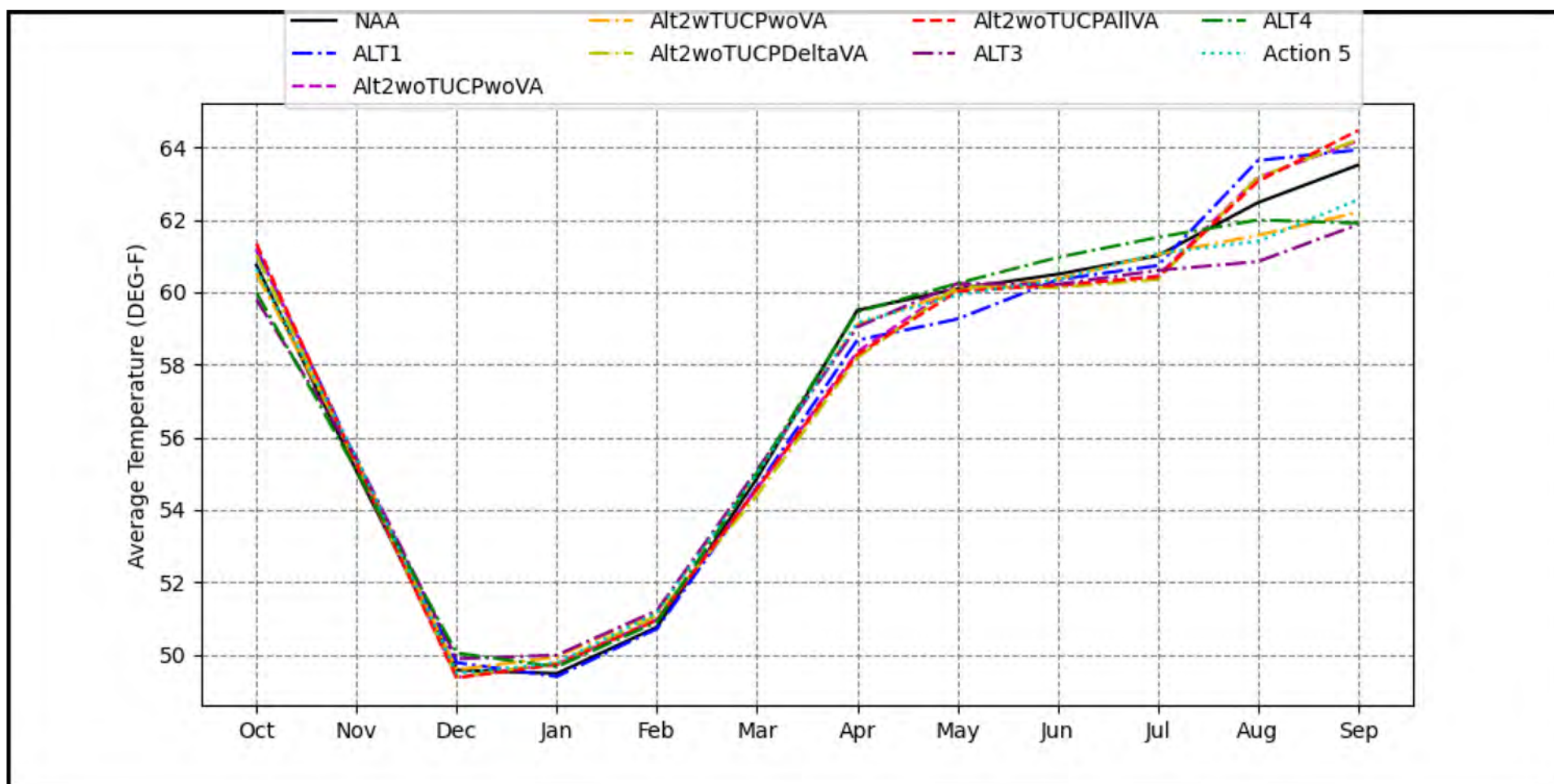


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-17 Sacramento River below Red Bluff Diversion Dam, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-13-18 Sacramento River below Red Bluff Diversion Dam, Critical Year Average Temperature (DEG-F)

F.2.11-14 Sacramento River below Hamilton City

Table F.2.11-14-1 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-1 b. Sacramento River below Hamilton City, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.5	56.2	51.8	50.5	52.0	57.3	62.4	65.2	66.8	65.9	67.3	66.0
20% Exceedance	60.8	55.8	50.9	49.6	51.3	56.2	61.7	64.4	66.0	64.9	65.6	64.8
30% Exceedance	60.4	55.5	50.4	49.0	50.7	55.8	61.0	63.9	65.2	64.2	64.7	64.0
40% Exceedance	59.8	55.3	49.9	48.6	50.4	55.2	60.5	63.3	64.7	63.5	63.9	63.5
50% Exceedance	59.2	55.0	49.6	48.0	49.9	54.6	60.0	63.0	63.8	62.9	63.5	63.0
60% Exceedance	58.9	54.8	49.4	47.5	49.5	53.7	59.3	62.6	63.4	62.3	63.3	62.5
70% Exceedance	58.7	54.5	48.9	47.4	48.8	52.6	58.5	62.2	62.4	61.5	63.0	62.1
80% Exceedance	58.1	54.2	48.5	47.0	48.0	51.9	57.6	61.6	61.8	61.1	62.7	61.6
90% Exceedance	57.7	53.7	47.9	46.5	47.4	50.7	56.4	60.3	61.3	60.5	62.4	61.0
Full Simulation Period Average^a	59.8	55.0	49.7	48.3	49.8	54.1	59.6	63.0	64.0	63.0	64.3	63.5
Wet Years (28%)	58.2	54.7	50.0	47.3	48.4	52.0	57.4	63.1	64.7	62.9	63.5	61.6
Above Normal Years (14%)	58.8	54.4	49.7	47.8	48.7	53.0	59.5	62.7	63.3	61.5	62.9	62.2
Below Normal Years (18%)	59.7	55.0	49.3	48.1	50.4	54.8	59.9	62.3	63.6	62.6	63.7	63.3
Dry Years (24%)	60.1	55.1	49.9	48.8	50.4	55.0	60.5	63.1	63.3	62.8	64.0	63.9
Critical Years (16%)	63.3	55.9	49.4	49.7	51.8	56.6	62.0	63.5	65.0	65.3	67.9	67.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-1 c. Sacramento River below Hamilton City, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.4	1.0	0.1	0.1	-0.2	-0.6	-1.2	-0.3	-0.3	0.6	-0.3
20% Exceedance	0.1	0.9	0.5	0.0	0.1	-0.1	-0.6	-1.1	-0.6	-0.5	-0.3	-0.2
30% Exceedance	0.5	1.0	0.4	-0.0	0.0	0.1	-0.7	-1.3	-0.9	0.1	0.3	-0.1
40% Exceedance	0.4	0.9	0.3	0.1	-0.0	0.1	-0.2	-1.4	-0.6	0.0	0.3	0.2
50% Exceedance	0.6	1.0	0.2	-0.0	-0.0	0.3	-0.1	-1.3	-1.0	0.1	0.6	0.2
60% Exceedance	0.6	1.1	0.3	0.0	0.1	0.1	-0.0	-1.2	-0.8	0.5	0.5	0.8
70% Exceedance	0.7	1.1	0.2	-0.0	0.0	-0.3	0.2	-1.0	-0.8	0.3	0.5	0.7
80% Exceedance	0.6	1.2	0.1	-0.1	0.0	-0.0	0.0	-0.7	-0.9	0.3	0.9	0.6
90% Exceedance	0.6	1.0	0.1	0.0	-0.1	-0.1	0.0	-0.8	-0.6	0.4	1.3	1.2
Full Simulation Period Average^a	0.5	0.9	0.4	-0.0	-0.0	-0.0	-0.2	-1.0	-0.6	0.1	0.6	0.4
Wet Years (28%)	0.7	1.2	0.5	-0.1	-0.0	-0.0	0.1	-1.1	-0.8	0.1	0.4	0.8
Above Normal Years (14%)	0.7	1.1	0.7	0.1	0.1	0.0	0.1	-1.6	-1.3	0.2	0.9	1.5
Below Normal Years (18%)	0.5	0.9	0.2	-0.0	-0.0	-0.0	-0.4	-1.0	-0.7	0.5	0.9	-0.4
Dry Years (24%)	0.3	0.8	0.3	-0.0	-0.0	0.1	-0.3	-1.0	-0.2	0.2	0.2	0.1
Critical Years (16%)	0.3	0.2	0.2	-0.1	-0.0	-0.2	-0.9	-0.8	-0.2	-0.6	1.0	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-2 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-2 b. Sacramento River below Hamilton City, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.5	56.0	51.0	50.6	52.1	57.3	62.6	66.0	67.1	66.1	67.4	66.4
20% Exceedance	60.9	55.3	50.4	49.8	51.3	56.2	61.9	65.2	66.3	65.1	65.4	64.7
30% Exceedance	60.2	54.8	50.0	49.3	50.7	55.5	61.3	64.8	65.8	64.0	64.0	63.6
40% Exceedance	59.4	54.2	49.7	48.7	50.6	55.2	60.5	64.3	65.2	63.3	63.5	63.2
50% Exceedance	58.7	53.8	49.4	48.2	50.0	54.5	60.0	63.8	64.4	62.6	62.9	62.4
60% Exceedance	58.1	53.6	49.2	47.6	49.5	53.6	59.4	63.4	63.7	61.8	62.5	61.7
70% Exceedance	57.9	53.4	48.8	47.4	48.9	52.9	58.4	62.7	62.8	61.3	62.4	61.1
80% Exceedance	57.3	53.2	48.4	47.1	48.1	51.9	57.6	62.1	62.5	60.8	61.8	60.6
90% Exceedance	56.8	52.8	47.9	46.8	47.6	50.8	56.4	60.9	61.9	60.3	61.1	59.7
Full Simulation Period Average^a	59.3	54.2	49.4	48.4	49.9	54.1	59.7	63.7	64.4	62.9	63.7	62.9
Wet Years (28%)	57.4	53.6	49.7	47.5	48.5	52.1	57.4	63.7	65.3	62.8	63.0	60.6
Above Normal Years (14%)	57.9	53.1	49.0	47.9	48.8	53.0	59.4	63.8	64.3	61.2	61.9	60.5
Below Normal Years (18%)	59.3	54.2	49.2	48.2	50.6	54.9	60.3	62.8	63.9	62.3	62.8	63.1
Dry Years (24%)	59.8	54.4	49.7	49.0	50.5	55.0	60.8	63.8	63.4	62.5	63.4	63.6
Critical Years (16%)	63.3	55.7	49.1	50.0	52.0	56.5	61.6	64.5	65.1	65.4	67.8	67.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-2 c. Sacramento River below Hamilton City, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.2	0.2	0.2	0.2	-0.2	-0.4	-0.3	-0.0	-0.1	0.7	0.1
20% Exceedance	0.2	0.3	-0.0	0.2	0.2	-0.2	-0.4	-0.3	-0.3	-0.3	-0.5	-0.2
30% Exceedance	0.2	0.3	0.1	0.2	0.1	-0.1	-0.4	-0.4	-0.3	-0.1	-0.4	-0.5
40% Exceedance	-0.0	-0.1	0.1	0.1	0.1	-0.0	-0.1	-0.4	-0.2	-0.2	-0.1	-0.2
50% Exceedance	0.1	-0.2	0.0	0.1	0.1	0.2	-0.1	-0.5	-0.4	-0.3	-0.1	-0.4
60% Exceedance	-0.2	-0.1	0.1	0.1	0.1	0.0	0.0	-0.3	-0.4	0.1	-0.2	0.0
70% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	0.1	-0.5	-0.4	0.1	-0.1	-0.3
80% Exceedance	-0.2	0.1	0.1	0.1	0.1	0.0	0.1	-0.2	-0.2	0.0	0.0	-0.4
90% Exceedance	-0.4	0.1	0.0	0.3	0.1	0.0	0.0	-0.2	-0.0	0.1	0.0	-0.2
Full Simulation Period Average^a	-0.0	0.1	0.1	0.1	0.1	-0.0	-0.2	-0.3	-0.2	-0.1	-0.0	-0.2
Wet Years (28%)	-0.2	0.1	0.2	0.1	0.1	0.0	0.0	-0.4	-0.3	-0.1	-0.1	-0.2
Above Normal Years (14%)	-0.2	-0.1	0.0	0.2	0.1	0.0	0.0	-0.5	-0.3	-0.1	-0.1	-0.3
Below Normal Years (18%)	0.1	0.1	0.1	0.1	0.1	-0.0	0.0	-0.5	-0.4	0.2	0.0	-0.6
Dry Years (24%)	-0.0	0.1	0.1	0.2	0.1	0.0	0.0	-0.3	-0.2	-0.2	-0.4	-0.3
Critical Years (16%)	0.3	0.1	-0.1	0.2	0.2	-0.3	-1.3	0.2	-0.1	-0.5	0.9	0.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-3 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-3 b. Sacramento River below Hamilton City, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.3	55.9	50.9	50.7	52.1	57.5	62.8	65.7	67.1	66.4	66.9	65.4
20% Exceedance	60.7	55.2	50.4	49.8	51.4	56.3	62.1	65.2	66.2	65.2	65.0	64.5
30% Exceedance	60.1	54.8	50.0	49.3	50.7	55.7	61.7	64.8	65.7	64.0	64.0	63.7
40% Exceedance	59.3	54.2	49.7	48.7	50.6	55.2	60.5	64.3	65.2	63.2	63.5	63.2
50% Exceedance	58.7	53.8	49.4	48.2	50.0	54.5	60.1	63.8	64.5	62.7	62.9	62.4
60% Exceedance	58.1	53.6	49.2	47.6	49.6	53.6	59.4	63.4	63.7	61.8	62.5	61.6
70% Exceedance	57.9	53.3	48.8	47.5	48.8	53.0	58.4	62.8	62.9	61.3	62.4	61.2
80% Exceedance	57.3	53.1	48.4	47.2	48.1	52.0	57.6	62.2	62.4	60.8	61.8	60.6
90% Exceedance	56.8	52.9	47.9	46.7	47.7	50.9	56.4	60.9	61.9	60.3	61.1	59.6
Full Simulation Period Average^a	59.2	54.2	49.4	48.5	50.0	54.2	59.8	63.7	64.5	63.0	63.5	62.6
Wet Years (28%)	57.4	53.6	49.7	47.5	48.5	52.1	57.4	63.7	65.3	62.8	63.0	60.6
Above Normal Years (14%)	57.9	53.1	49.0	47.9	48.8	53.1	59.4	63.8	64.3	61.2	61.9	60.5
Below Normal Years (18%)	59.1	54.2	49.1	48.2	50.6	54.9	60.3	62.7	63.9	62.2	62.6	63.0
Dry Years (24%)	59.7	54.4	49.7	49.0	50.5	55.0	60.8	63.8	63.4	62.5	63.4	63.6
Critical Years (16%)	62.6	55.8	49.2	50.1	52.1	57.0	62.5	64.5	65.3	66.3	66.7	66.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-3 c. Sacramento River below Hamilton City, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.1	0.1	0.3	0.2	0.1	-0.2	-0.7	0.0	0.2	0.2	-0.9
20% Exceedance	0.0	0.3	-0.0	0.2	0.2	0.0	-0.1	-0.3	-0.3	-0.3	-0.8	-0.4
30% Exceedance	0.1	0.2	0.1	0.2	0.1	0.1	0.0	-0.4	-0.4	-0.1	-0.4	-0.5
40% Exceedance	-0.1	-0.1	0.1	0.2	0.1	0.1	-0.1	-0.4	-0.2	-0.3	-0.1	-0.2
50% Exceedance	0.1	-0.2	0.0	0.1	0.1	0.2	0.0	-0.5	-0.3	-0.2	-0.1	-0.5
60% Exceedance	-0.2	-0.1	0.1	0.1	0.1	0.0	0.0	-0.3	-0.4	0.1	-0.2	-0.0
70% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.1	0.1	-0.4	-0.4	0.1	-0.1	-0.2
80% Exceedance	-0.2	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	-0.3	0.0	0.0	-0.5
90% Exceedance	-0.4	0.1	0.0	0.3	0.1	0.1	0.0	-0.3	-0.0	0.1	0.1	-0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.2	0.1	0.1	-0.0	-0.3	-0.2	0.0	-0.2	-0.4
Wet Years (28%)	-0.2	0.1	0.2	0.1	0.1	0.0	0.0	-0.4	-0.3	-0.1	-0.1	-0.2
Above Normal Years (14%)	-0.2	-0.1	0.0	0.2	0.1	0.1	0.0	-0.5	-0.3	-0.1	-0.1	-0.3
Below Normal Years (18%)	-0.1	0.1	0.0	0.1	0.2	0.0	0.0	-0.5	-0.4	0.1	-0.1	-0.7
Dry Years (24%)	-0.0	0.1	0.1	0.2	0.1	0.1	0.0	-0.3	-0.2	-0.1	-0.4	-0.3
Critical Years (16%)	-0.3	0.2	0.0	0.3	0.3	0.2	-0.4	0.2	0.1	0.4	-0.2	-0.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-4 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-4 b. Sacramento River below Hamilton City, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.5	56.0	50.9	50.5	52.2	57.2	62.4	66.1	67.0	66.2	67.5	66.4
20% Exceedance	60.9	55.2	50.4	49.8	51.3	56.1	61.9	65.2	66.2	65.0	65.3	64.5
30% Exceedance	60.1	54.8	50.0	49.3	50.7	55.5	61.2	64.7	65.8	64.0	64.0	63.6
40% Exceedance	59.4	54.2	49.7	48.7	50.6	55.2	60.5	64.2	65.2	63.3	63.3	63.2
50% Exceedance	58.8	53.8	49.4	48.2	50.0	54.5	60.1	63.8	64.4	62.6	62.8	62.4
60% Exceedance	58.1	53.6	49.2	47.6	49.5	53.7	59.5	63.5	63.7	61.7	62.5	61.7
70% Exceedance	57.8	53.4	48.8	47.4	48.9	52.9	58.4	62.7	62.8	61.3	62.3	61.1
80% Exceedance	57.3	53.1	48.4	47.1	48.1	51.9	57.5	62.0	62.5	60.8	61.8	60.6
90% Exceedance	56.8	52.9	47.9	46.7	47.6	50.8	56.4	61.0	61.9	60.3	61.1	59.7
Full Simulation Period Average^a	59.3	54.2	49.4	48.4	50.0	54.1	59.7	63.7	64.4	62.8	63.6	62.9
Wet Years (28%)	57.4	53.6	49.7	47.5	48.5	52.1	57.4	63.7	65.3	62.8	63.0	60.6
Above Normal Years (14%)	57.9	53.1	49.0	47.8	48.8	53.0	59.4	63.8	64.4	61.2	61.9	60.5
Below Normal Years (18%)	59.3	54.3	49.1	48.2	50.6	54.9	60.3	62.8	63.9	62.3	62.7	63.1
Dry Years (24%)	59.8	54.4	49.7	49.0	50.5	55.0	60.9	63.7	63.4	62.5	63.4	63.6
Critical Years (16%)	63.1	55.7	49.1	50.0	52.1	56.3	61.4	64.4	65.0	65.3	67.7	67.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-4 c. Sacramento River below Hamilton City, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	0.2	0.1	0.1	0.4	-0.3	-0.6	-0.3	-0.1	0.0	0.7	0.1
20% Exceedance	0.2	0.3	-0.0	0.2	0.2	-0.2	-0.4	-0.3	-0.3	-0.4	-0.6	-0.4
30% Exceedance	0.1	0.2	0.1	0.2	0.1	-0.2	-0.5	-0.4	-0.3	-0.1	-0.4	-0.5
40% Exceedance	0.0	-0.2	0.1	0.1	0.1	-0.0	-0.1	-0.4	-0.2	-0.2	-0.2	-0.2
50% Exceedance	0.1	-0.2	-0.0	0.1	0.1	0.2	0.0	-0.5	-0.4	-0.3	-0.2	-0.4
60% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	0.1	-0.2	-0.4	-0.0	-0.2	0.0
70% Exceedance	-0.2	-0.1	0.1	0.1	0.1	0.0	0.1	-0.5	-0.5	0.1	-0.2	-0.3
80% Exceedance	-0.2	0.1	0.1	0.0	0.1	0.0	-0.0	-0.3	-0.2	0.0	0.1	-0.4
90% Exceedance	-0.4	0.1	0.0	0.3	0.1	0.0	0.0	-0.2	-0.0	0.1	0.0	-0.1
Full Simulation Period Average^a	-0.0	0.1	0.1	0.1	0.1	-0.1	-0.2	-0.3	-0.2	-0.1	-0.0	-0.1
Wet Years (28%)	-0.2	0.0	0.2	0.1	0.1	0.0	0.0	-0.4	-0.3	-0.1	-0.1	-0.2
Above Normal Years (14%)	-0.2	-0.1	0.0	0.2	0.1	0.0	0.0	-0.5	-0.2	-0.1	-0.1	-0.3
Below Normal Years (18%)	0.1	0.2	0.0	0.1	0.1	-0.0	0.0	-0.5	-0.4	0.2	-0.1	-0.5
Dry Years (24%)	-0.0	0.1	0.1	0.2	0.1	0.0	0.1	-0.4	-0.1	-0.2	-0.5	-0.2
Critical Years (16%)	0.2	0.1	-0.1	0.2	0.3	-0.5	-1.4	0.2	-0.1	-0.6	0.8	0.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-5 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-5 b. Sacramento River below Hamilton City, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.6	55.9	51.0	50.6	52.1	57.3	62.3	65.8	67.3	66.2	67.3	67.1
20% Exceedance	60.8	55.2	50.4	49.7	51.2	56.2	61.9	65.2	66.5	65.2	65.2	64.6
30% Exceedance	60.2	54.9	50.0	49.3	50.7	55.6	61.1	64.5	66.1	64.1	64.1	63.7
40% Exceedance	59.4	54.2	49.7	48.7	50.5	55.2	60.5	64.1	65.4	63.4	63.6	63.1
50% Exceedance	58.7	53.9	49.4	48.2	50.0	54.5	59.9	63.9	64.8	62.6	62.9	62.5
60% Exceedance	58.1	53.6	49.2	47.6	49.5	53.6	59.5	63.5	64.0	61.8	62.5	61.6
70% Exceedance	57.8	53.3	48.8	47.4	48.9	52.9	58.3	62.7	63.1	61.3	62.3	61.1
80% Exceedance	57.3	53.1	48.4	47.1	48.1	51.9	57.5	61.9	62.7	60.9	61.9	60.6
90% Exceedance	56.9	52.8	47.9	46.8	47.6	50.9	56.3	60.8	62.2	60.3	61.1	59.6
Full Simulation Period Average^a	59.3	54.1	49.4	48.4	49.9	54.1	59.6	63.7	64.7	62.9	63.7	62.9
Wet Years (28%)	57.4	53.6	49.7	47.5	48.5	52.1	57.4	63.7	65.3	62.8	63.0	60.6
Above Normal Years (14%)	57.9	53.1	49.1	47.8	48.8	53.0	59.2	63.7	64.9	61.2	62.0	60.5
Below Normal Years (18%)	59.3	54.2	49.1	48.2	50.6	54.9	59.9	62.6	64.4	62.5	62.8	63.1
Dry Years (24%)	59.7	54.4	49.7	49.0	50.5	55.1	60.9	64.0	63.8	62.6	63.5	63.6
Critical Years (16%)	63.3	55.7	49.1	50.0	51.9	56.5	61.5	64.2	65.1	65.3	67.5	67.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-5 c. Sacramento River below Hamilton City, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	0.1	0.2	0.1	0.2	-0.2	-0.7	-0.5	0.3	-0.0	0.5	0.8
20% Exceedance	0.1	0.3	-0.0	0.2	0.1	-0.1	-0.4	-0.3	-0.0	-0.2	-0.7	-0.4
30% Exceedance	0.2	0.3	0.1	0.2	0.1	-0.0	-0.6	-0.6	-0.0	-0.0	-0.3	-0.4
40% Exceedance	0.0	-0.2	0.0	0.1	0.1	0.0	-0.2	-0.5	0.0	-0.1	-0.0	-0.2
50% Exceedance	0.1	-0.2	0.0	0.1	0.1	0.2	-0.2	-0.4	-0.0	-0.2	-0.1	-0.3
60% Exceedance	-0.1	-0.1	0.1	0.1	0.1	0.0	0.1	-0.2	-0.1	0.0	-0.2	-0.0
70% Exceedance	-0.2	-0.1	0.0	0.1	0.1	0.0	-0.0	-0.5	-0.1	0.1	-0.1	-0.3
80% Exceedance	-0.2	0.0	0.1	0.1	0.1	0.0	-0.1	-0.4	0.0	0.1	0.1	-0.4
90% Exceedance	-0.3	0.1	0.1	0.3	0.1	0.1	-0.1	-0.3	0.2	0.2	0.1	-0.2
Full Simulation Period Average^a	-0.0	0.0	0.1	0.1	0.1	-0.0	-0.3	-0.4	0.0	-0.1	-0.0	-0.1
Wet Years (28%)	-0.2	0.1	0.2	0.1	0.1	0.0	-0.0	-0.4	-0.2	-0.1	-0.1	-0.2
Above Normal Years (14%)	-0.2	-0.1	0.1	0.2	0.1	0.0	-0.2	-0.6	0.3	-0.1	0.0	-0.3
Below Normal Years (18%)	0.1	0.1	0.0	0.1	0.1	-0.0	-0.3	-0.6	0.1	0.4	0.0	-0.6
Dry Years (24%)	-0.1	0.1	0.1	0.2	0.1	0.1	0.1	-0.1	0.2	-0.1	-0.4	-0.3
Critical Years (16%)	0.4	0.1	-0.1	0.2	0.1	-0.3	-1.4	-0.1	-0.1	-0.5	0.6	0.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-6 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-6 b. Sacramento River below Hamilton City, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.9	50.9	50.9	52.1	57.8	63.2	65.7	67.9	66.7	66.5	66.1
20% Exceedance	60.6	55.1	50.3	49.6	51.5	56.7	62.3	65.0	67.2	65.2	64.4	64.6
30% Exceedance	60.2	54.7	49.9	49.1	50.8	55.9	61.9	64.3	66.7	64.3	63.8	63.9
40% Exceedance	59.4	54.3	49.6	48.7	50.4	55.1	61.6	63.8	66.1	63.5	63.0	63.5
50% Exceedance	58.8	54.1	49.4	48.1	50.0	54.3	60.7	63.2	65.2	62.6	62.8	62.9
60% Exceedance	58.4	53.8	49.1	47.7	49.5	53.6	59.6	62.8	64.6	62.0	62.2	62.2
70% Exceedance	58.2	53.5	48.9	47.5	48.9	52.9	58.2	62.0	63.6	61.6	61.4	61.7
80% Exceedance	57.5	53.2	48.7	47.1	48.1	51.9	57.3	61.4	63.1	61.3	61.2	61.0
90% Exceedance	56.8	52.8	47.9	46.5	47.6	50.8	56.1	60.6	62.3	60.9	60.8	60.1
Full Simulation Period Average^a	59.2	54.2	49.4	48.4	49.9	54.3	60.1	63.2	65.3	63.3	63.1	63.0
Wet Years (28%)	57.6	53.7	49.6	47.5	48.4	52.0	57.4	62.5	66.7	63.3	63.6	61.4
Above Normal Years (14%)	58.1	53.4	49.2	47.8	48.7	53.0	59.5	62.6	66.2	62.6	62.2	61.3
Below Normal Years (18%)	59.2	54.1	49.1	48.2	50.6	54.9	60.6	63.0	64.7	62.9	62.0	63.3
Dry Years (24%)	59.8	54.5	49.7	49.0	50.4	55.3	61.5	63.6	63.7	62.4	62.1	63.9
Critical Years (16%)	62.1	55.8	49.4	50.2	52.2	57.0	62.5	64.8	65.1	65.7	65.6	65.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-6 c. Sacramento River below Hamilton City, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.0	0.1	0.0	0.5	0.3	0.3	0.2	-0.7	0.8	0.4	-0.3	-0.2
20% Exceedance	-0.1	0.2	-0.1	0.1	0.3	0.4	0.0	-0.5	0.7	-0.2	-1.5	-0.3
30% Exceedance	0.2	0.1	-0.1	0.1	0.1	0.2	0.2	-0.9	0.6	0.2	-0.6	-0.3
40% Exceedance	-0.0	-0.1	0.0	0.2	-0.0	-0.1	0.9	-0.8	0.7	-0.1	-0.6	0.1
50% Exceedance	0.1	0.0	-0.0	0.0	0.1	-0.0	0.6	-1.1	0.4	-0.3	-0.2	0.1
60% Exceedance	0.1	0.1	0.0	0.1	0.1	-0.0	0.3	-0.9	0.5	0.2	-0.6	0.5
70% Exceedance	0.2	0.1	0.2	0.1	0.1	0.1	-0.1	-1.2	0.4	0.4	-1.0	0.3
80% Exceedance	0.0	0.2	0.4	0.1	0.1	0.0	-0.2	-0.9	0.4	0.5	-0.6	0.0
90% Exceedance	-0.3	0.0	0.1	0.1	0.1	0.0	-0.3	-0.5	0.3	0.7	-0.2	0.2
Full Simulation Period Average^a	-0.1	0.1	0.1	0.1	0.1	0.1	0.2	-0.8	0.6	0.3	-0.6	-0.0
Wet Years (28%)	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	-1.7	1.2	0.4	0.5	0.6
Above Normal Years (14%)	-0.0	0.1	0.2	0.1	0.0	-0.0	0.1	-1.7	1.6	1.3	0.2	0.5
Below Normal Years (18%)	-0.0	-0.1	0.0	0.1	0.1	0.1	0.4	-0.3	0.4	0.8	-0.7	-0.4
Dry Years (24%)	-0.0	0.2	0.1	0.1	0.0	0.3	0.7	-0.5	0.1	-0.3	-1.8	0.1
Critical Years (16%)	-0.9	0.2	0.2	0.4	0.4	0.2	-0.4	0.5	-0.0	-0.2	-1.3	-1.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-7 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-7 b. Sacramento River below Hamilton City, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	61.6	55.5	51.7	50.4	52.1	57.4	63.0	66.1	67.2	66.7	66.9	65.6
20% Exceedance	60.6	55.0	50.9	49.7	51.2	56.4	62.2	65.3	66.4	65.5	65.2	64.5
30% Exceedance	60.0	54.4	50.3	49.1	50.7	55.7	61.6	65.0	66.1	64.2	64.3	63.9
40% Exceedance	59.4	54.0	49.9	48.7	50.5	55.1	60.6	64.6	65.5	63.6	63.7	63.2
50% Exceedance	58.9	53.8	49.5	48.1	49.9	54.5	60.0	64.0	64.8	63.0	63.3	62.8
60% Exceedance	58.7	53.6	49.2	47.5	49.5	53.6	59.3	63.6	64.2	61.8	63.0	62.4
70% Exceedance	58.2	53.3	48.9	47.3	48.7	52.7	58.3	63.0	63.1	61.3	62.6	61.9
80% Exceedance	57.6	53.1	48.5	47.1	48.0	51.9	57.5	62.3	62.6	60.9	62.1	61.5
90% Exceedance	57.2	52.8	48.0	46.5	47.6	50.7	56.4	60.8	62.0	60.3	61.5	60.9
Full Simulation Period Average^a	59.3	54.0	49.7	48.3	49.9	54.2	59.8	63.8	64.7	63.1	63.8	63.1
Wet Years (28%)	57.8	53.5	50.0	47.3	48.4	52.0	57.4	63.9	65.6	62.9	63.4	61.4
Above Normal Years (14%)	58.7	53.2	49.4	47.7	48.7	53.0	59.4	64.0	64.6	61.3	62.5	62.2
Below Normal Years (18%)	59.1	53.9	49.3	48.1	50.5	54.9	60.1	62.9	64.2	62.1	62.7	63.5
Dry Years (24%)	59.6	54.2	50.0	48.9	50.4	55.0	60.8	64.0	63.6	62.6	63.6	63.5
Critical Years (16%)	62.2	55.6	49.6	49.9	51.9	57.0	62.7	64.5	65.7	66.6	66.9	65.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-7 c. Sacramento River below Hamilton City, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.5	-0.3	0.8	0.0	0.2	-0.0	-0.0	-0.2	0.2	0.4	0.2	-0.7
20% Exceedance	-0.1	0.0	0.5	0.1	-0.0	0.0	-0.1	-0.2	-0.1	0.1	-0.6	-0.4
30% Exceedance	0.1	-0.1	0.4	0.0	0.1	0.0	-0.1	-0.2	-0.1	0.1	-0.1	-0.3
40% Exceedance	-0.0	-0.3	0.3	0.1	0.0	-0.1	-0.0	-0.0	0.2	0.1	0.1	-0.2
50% Exceedance	0.3	-0.2	0.1	0.0	-0.1	0.2	-0.1	-0.3	-0.0	0.1	0.3	-0.0
60% Exceedance	0.4	-0.1	0.1	0.0	0.0	-0.0	-0.1	-0.1	0.1	0.1	0.3	0.7
70% Exceedance	0.2	-0.1	0.2	-0.0	-0.0	-0.1	0.0	-0.2	-0.1	0.1	0.2	0.5
80% Exceedance	0.1	0.1	0.2	0.0	-0.0	0.0	-0.0	-0.0	-0.1	0.1	0.3	0.5
90% Exceedance	0.1	0.1	0.2	0.0	0.0	-0.1	-0.0	-0.3	-0.0	0.1	0.4	1.0
Full Simulation Period Average^a	-0.0	-0.1	0.4	0.0	0.0	-0.0	-0.1	-0.2	0.1	0.1	0.1	0.0
Wet Years (28%)	0.2	-0.0	0.4	-0.0	-0.0	-0.1	-0.0	-0.3	-0.0	0.1	0.3	0.6
Above Normal Years (14%)	0.6	0.0	0.4	0.0	0.0	-0.1	0.0	-0.3	-0.1	-0.0	0.5	1.4
Below Normal Years (18%)	-0.1	-0.2	0.2	0.0	0.1	0.0	-0.1	-0.3	-0.1	0.0	-0.1	-0.2
Dry Years (24%)	-0.1	-0.1	0.4	0.0	0.0	-0.0	-0.0	-0.1	0.1	-0.0	-0.2	-0.4
Critical Years (16%)	-0.7	-0.1	0.3	0.1	0.1	0.1	-0.1	0.2	0.5	0.7	-0.0	-1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-8 a. Sacramento River below Hamilton City, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.1	55.8	50.8	50.4	51.9	57.5	63.0	66.3	67.1	66.2	66.7	66.3
20% Exceedance	60.7	55.0	50.4	49.6	51.2	56.3	62.3	65.5	66.5	65.4	65.9	65.0
30% Exceedance	59.9	54.6	49.9	49.1	50.6	55.7	61.7	65.1	66.1	64.1	64.4	64.2
40% Exceedance	59.4	54.3	49.6	48.6	50.4	55.2	60.7	64.6	65.4	63.5	63.6	63.4
50% Exceedance	58.6	54.0	49.4	48.1	49.9	54.3	60.1	64.3	64.8	62.9	63.0	62.8
60% Exceedance	58.3	53.7	49.1	47.5	49.5	53.6	59.3	63.7	64.1	61.8	62.7	61.7
70% Exceedance	58.0	53.4	48.7	47.4	48.7	52.8	58.3	63.2	63.2	61.2	62.4	61.4
80% Exceedance	57.5	53.0	48.3	47.1	48.0	51.9	57.5	62.3	62.7	60.8	61.8	61.0
90% Exceedance	57.2	52.7	47.8	46.5	47.5	50.8	56.4	61.1	62.0	60.2	61.1	59.9
Full Simulation Period Average^a	59.3	54.1	49.3	48.3	49.8	54.2	59.9	64.0	64.7	63.0	63.7	63.1
Wet Years (28%)	57.5	53.5	49.5	47.4	48.4	52.0	57.4	64.2	65.6	62.9	63.1	60.8
Above Normal Years (14%)	58.1	53.2	49.0	47.7	48.6	53.0	59.4	64.3	64.6	61.3	62.0	60.8
Below Normal Years (18%)	59.2	54.1	49.1	48.1	50.5	54.9	60.2	63.3	64.3	62.1	62.8	63.7
Dry Years (24%)	59.8	54.3	49.6	48.9	50.4	55.0	60.8	64.1	63.6	62.7	63.9	63.8
Critical Years (16%)	62.9	55.6	49.2	49.8	51.8	56.9	62.8	64.3	65.2	65.8	66.9	67.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-8 b. Sacramento River below Hamilton City, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.3	56.1	51.1	50.6	52.3	57.5	63.0	66.0	67.2	66.4	66.4	65.6
20% Exceedance	60.6	55.1	50.3	49.7	51.5	56.5	62.1	64.9	66.4	65.2	65.2	64.4
30% Exceedance	59.9	54.7	50.0	49.2	50.7	55.7	61.5	64.5	65.8	64.1	64.1	63.7
40% Exceedance	59.2	54.2	49.7	48.7	50.4	55.2	60.5	64.1	65.3	63.5	63.6	63.2
50% Exceedance	58.8	53.8	49.4	48.2	50.0	54.5	60.0	63.9	64.8	62.7	63.1	62.7
60% Exceedance	58.6	53.6	49.2	47.7	49.6	53.6	59.4	63.4	64.0	61.8	62.7	62.3
70% Exceedance	58.1	53.4	48.8	47.5	48.8	52.7	58.3	62.6	63.3	61.3	62.4	61.8
80% Exceedance	57.4	53.2	48.5	47.1	48.1	52.0	57.5	62.0	62.7	60.9	62.0	61.3
90% Exceedance	57.0	52.8	47.9	46.8	47.6	50.6	56.3	60.6	62.1	60.4	61.2	60.2
Full Simulation Period Average^a	59.2	54.1	49.4	48.4	50.0	54.2	59.8	63.6	64.7	63.1	63.6	62.9
Wet Years (28%)	57.6	53.6	49.7	47.5	48.5	52.0	57.4	63.7	65.4	62.8	63.2	60.9
Above Normal Years (14%)	58.2	53.1	49.2	47.8	48.8	53.0	59.2	63.7	65.0	61.3	62.4	62.5
Below Normal Years (18%)	59.2	54.1	49.1	48.2	50.6	54.9	59.8	62.6	64.4	62.3	62.7	63.1
Dry Years (24%)	59.6	54.3	49.7	49.0	50.4	55.1	61.1	63.8	63.5	62.7	63.4	63.2
Critical Years (16%)	62.7	55.8	49.2	50.0	52.1	56.9	62.4	64.2	65.3	66.3	66.3	66.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-14-8 c. Sacramento River below Hamilton City, Action 5 Minus NAA, Monthly Temperature (DEG-F)

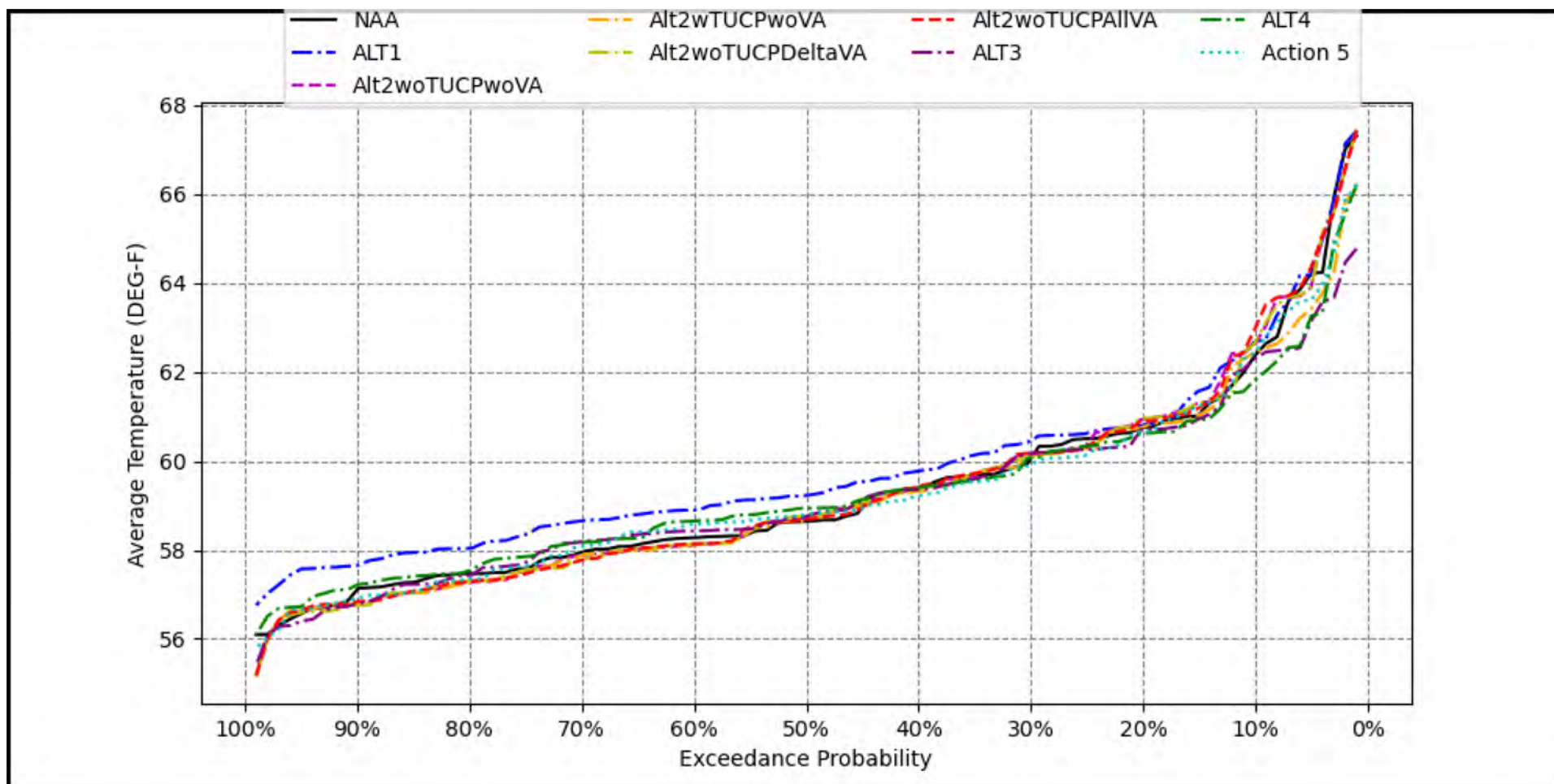
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.3	0.3	0.2	0.4	0.0	-0.0	-0.3	0.1	0.2	-0.4	-0.6
20% Exceedance	-0.1	0.1	-0.1	0.1	0.3	0.2	-0.2	-0.6	-0.2	-0.3	-0.7	-0.6
30% Exceedance	-0.1	0.1	0.1	0.1	0.1	0.0	-0.2	-0.6	-0.3	-0.0	-0.3	-0.5
40% Exceedance	-0.2	-0.2	0.1	0.2	-0.0	0.0	-0.2	-0.5	-0.1	0.0	0.0	-0.2
50% Exceedance	0.1	-0.2	-0.0	0.1	0.1	0.2	-0.2	-0.4	-0.0	-0.2	0.2	-0.1
60% Exceedance	0.3	-0.1	0.1	0.2	0.2	0.0	0.0	-0.3	-0.2	-0.0	-0.1	0.7
70% Exceedance	0.1	-0.0	0.1	0.1	0.1	-0.1	-0.0	-0.6	0.1	0.1	0.0	0.4
80% Exceedance	-0.1	0.2	0.1	0.1	0.1	0.0	-0.0	-0.3	-0.0	0.1	0.2	0.3
90% Exceedance	-0.2	0.1	0.1	0.3	0.1	-0.1	-0.1	-0.5	0.1	0.2	0.1	0.3
Full Simulation Period Average^a	-0.1	0.0	0.1	0.1	0.1	0.0	-0.1	-0.4	0.0	0.1	-0.1	-0.1
Wet Years (28%)	0.1	0.1	0.2	0.1	0.1	-0.0	-0.0	-0.5	-0.2	-0.1	0.1	0.1
Above Normal Years (14%)	0.1	-0.1	0.2	0.2	0.1	-0.0	-0.2	-0.6	0.3	-0.0	0.4	1.7
Below Normal Years (18%)	-0.0	-0.0	0.0	0.1	0.1	0.0	-0.5	-0.7	0.1	0.2	-0.1	-0.6
Dry Years (24%)	-0.2	-0.0	0.1	0.2	0.0	0.1	0.3	-0.4	-0.0	-0.0	-0.4	-0.6
Critical Years (16%)	-0.2	0.2	-0.1	0.2	0.3	0.0	-0.4	-0.0	0.2	0.5	-0.6	-0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

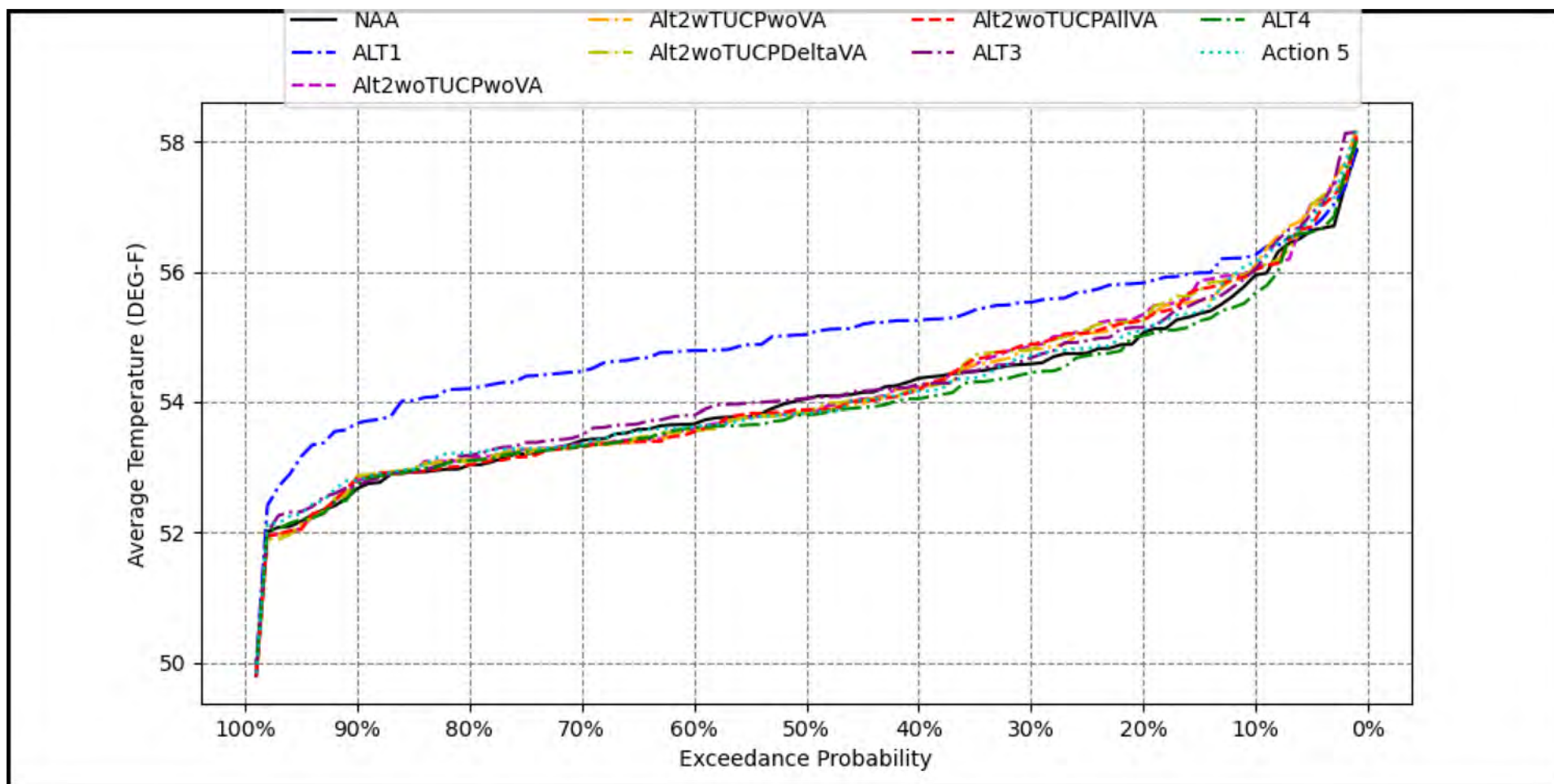
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



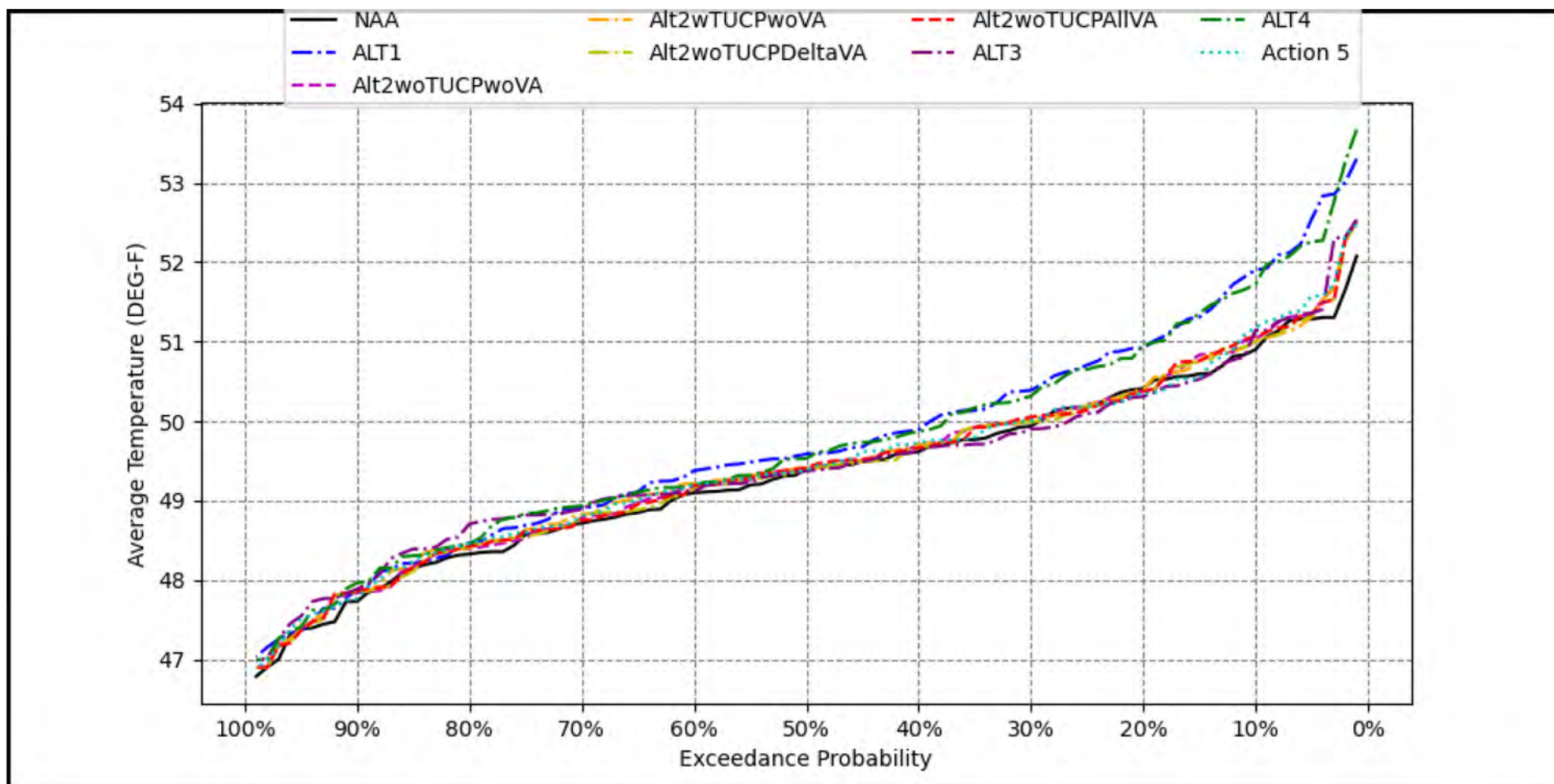
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-1 Sacramento River below Hamilton City, October Temperature



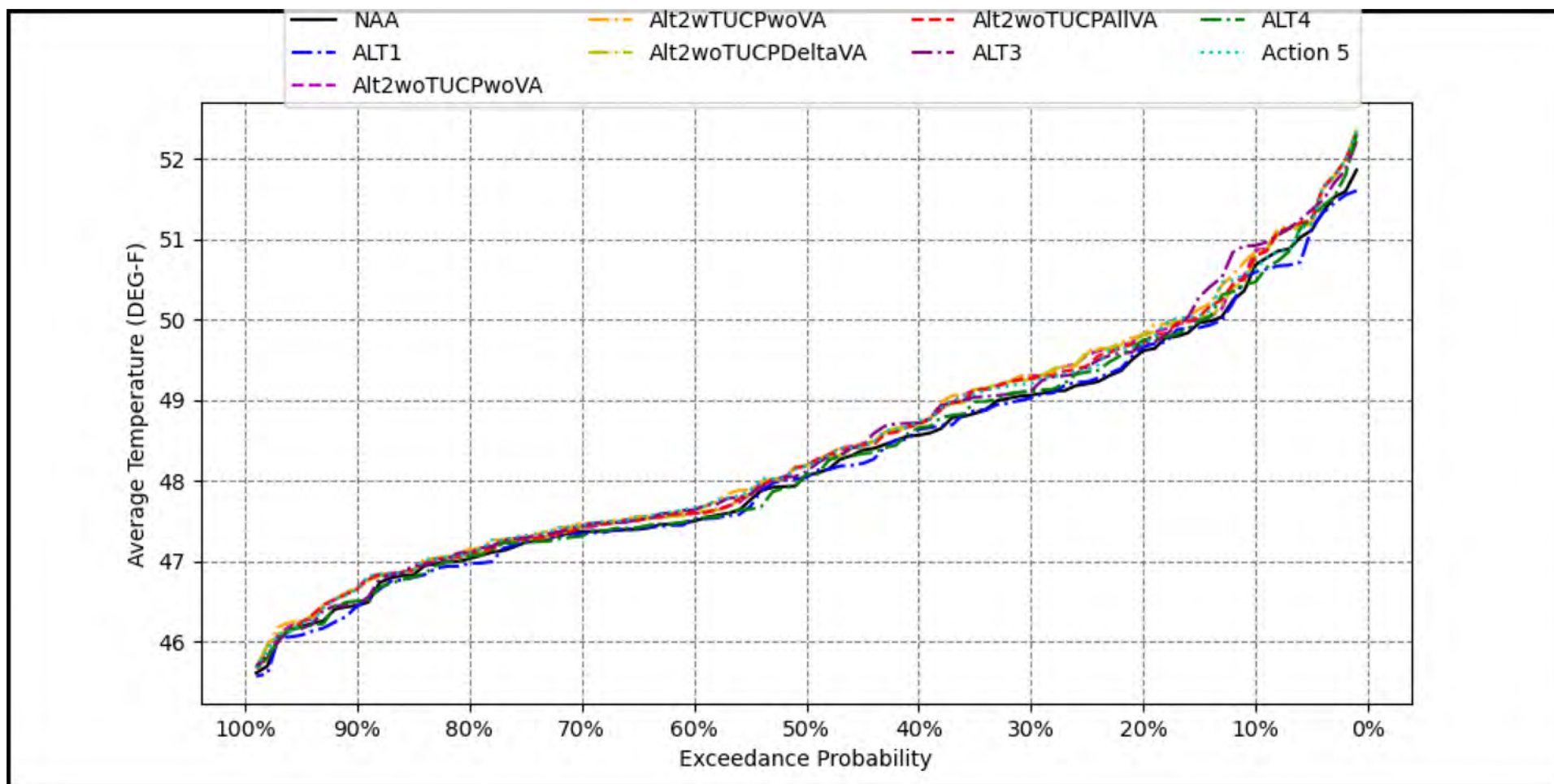
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-2 Sacramento River below Hamilton City, November Temperature



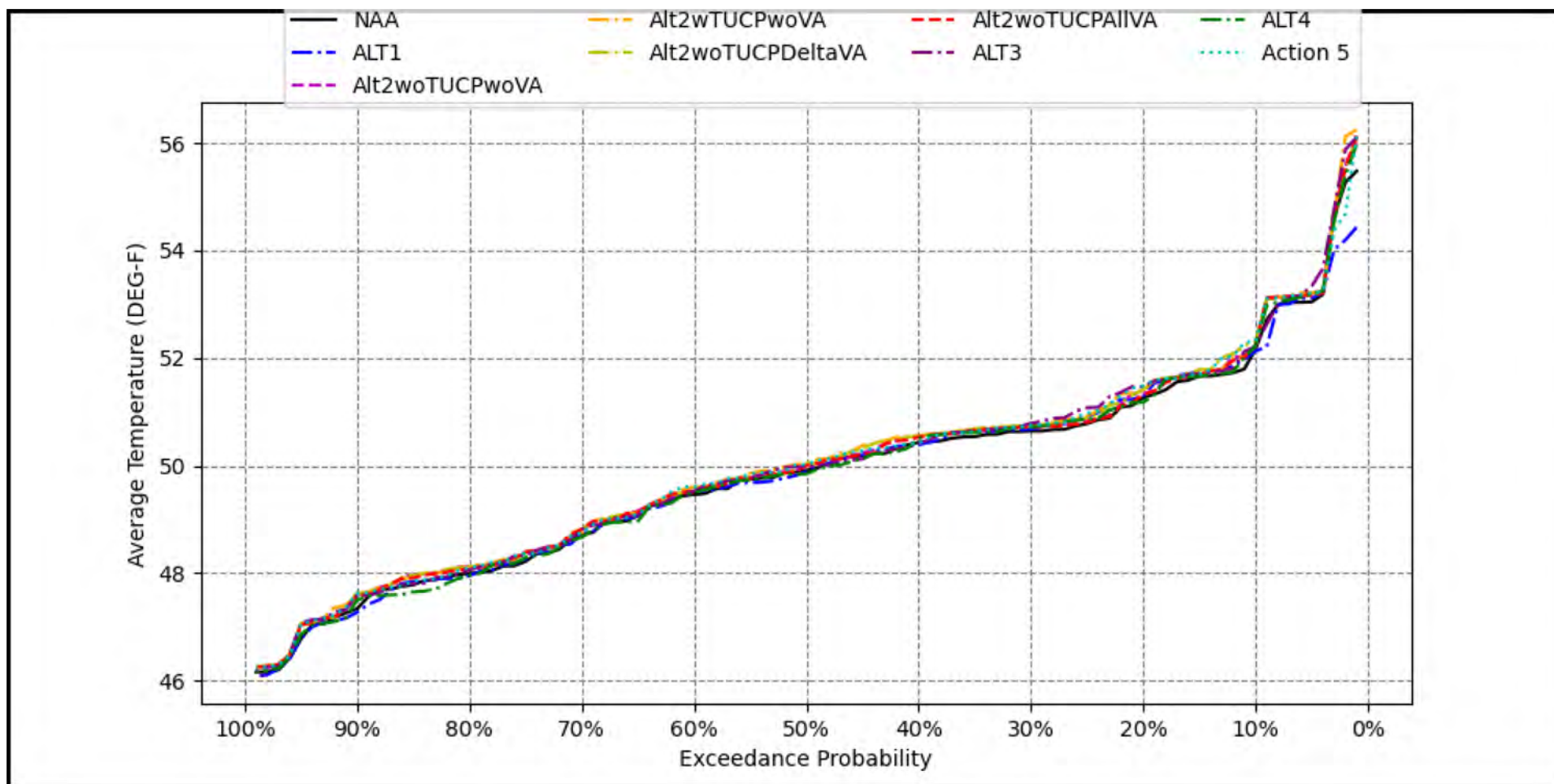
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-3 Sacramento River below Hamilton City, December Temperature



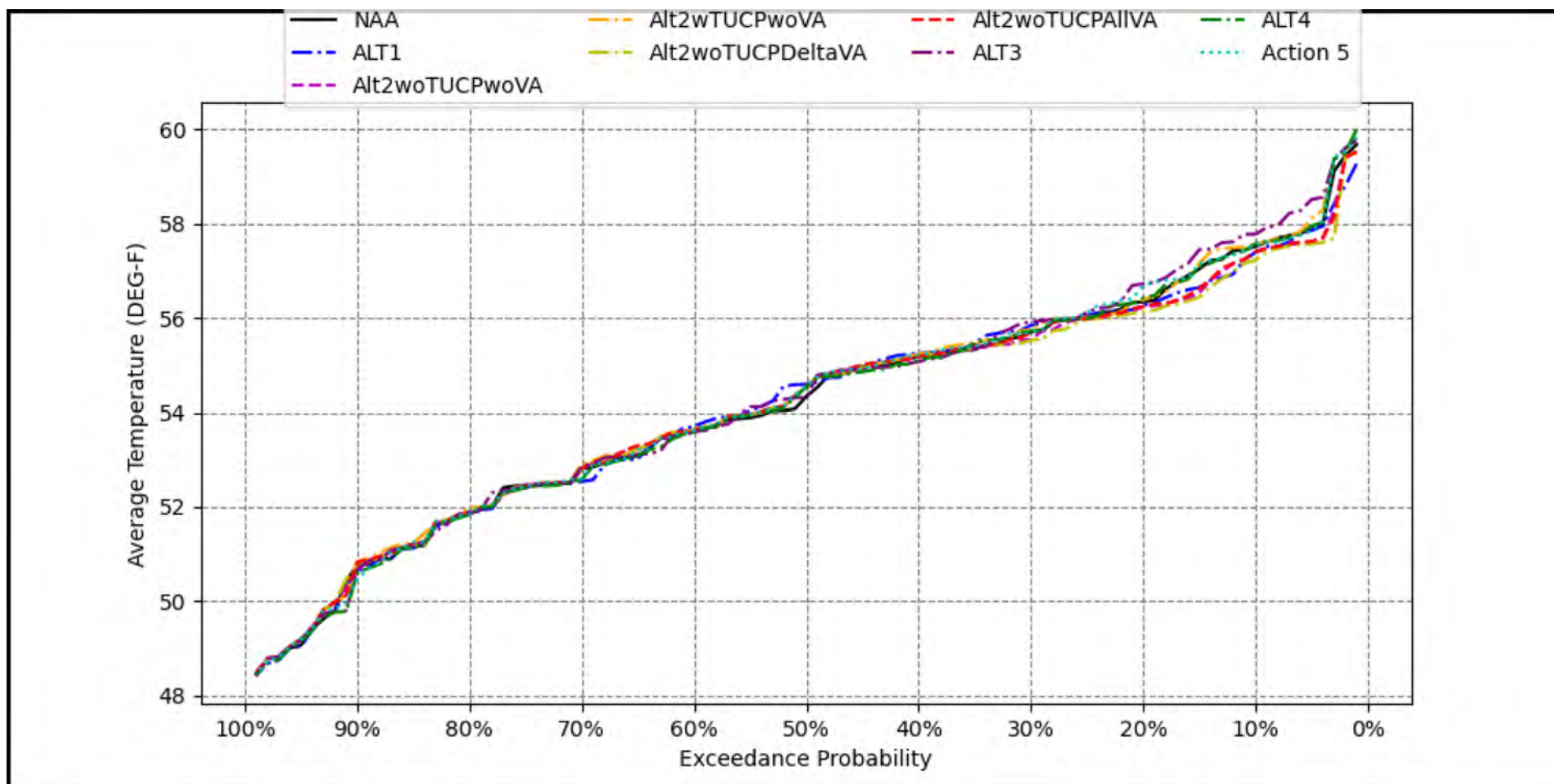
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-4 Sacramento River below Hamilton City, January Temperature



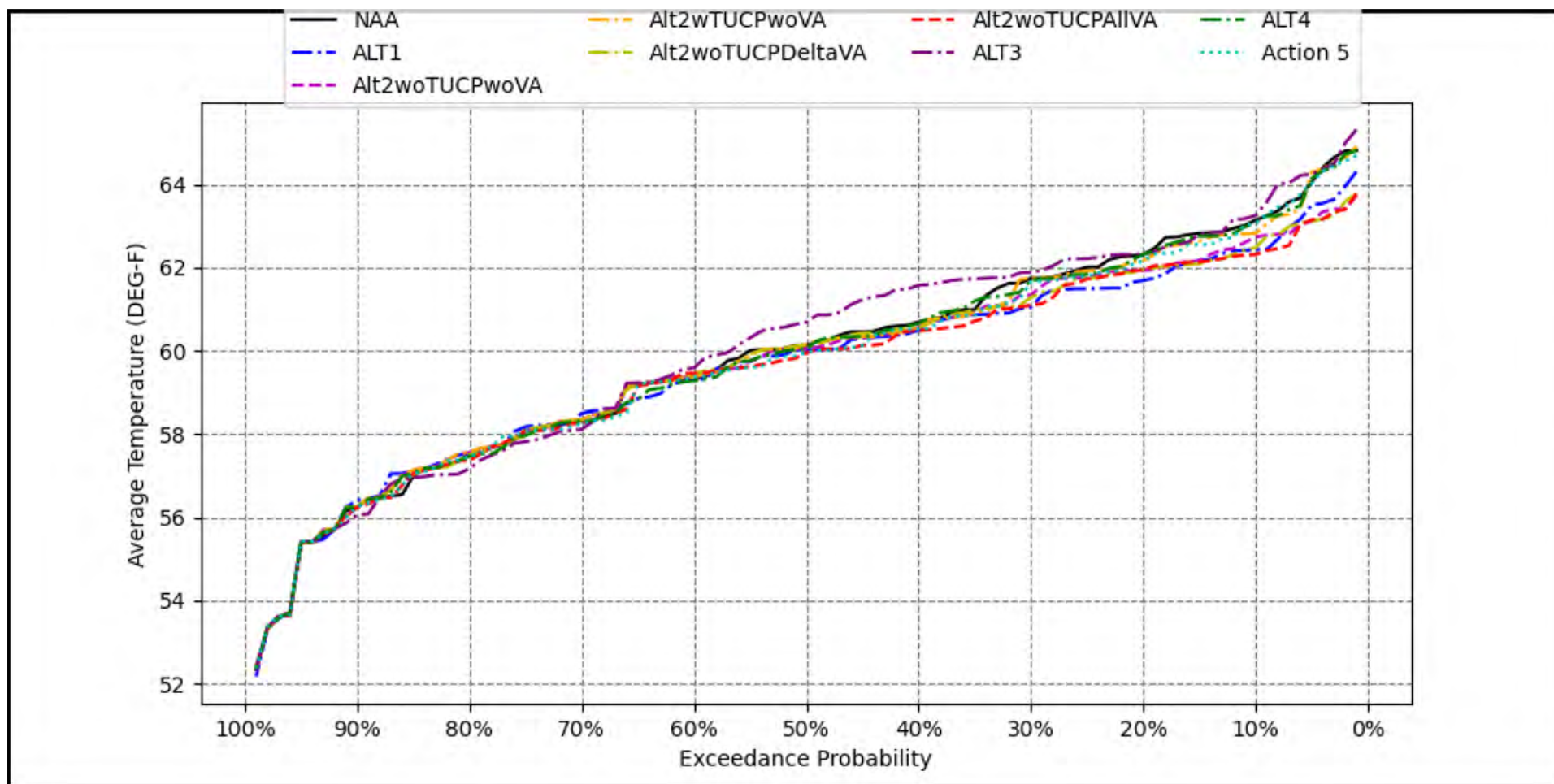
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-5 Sacramento River below Hamilton City, February Temperature



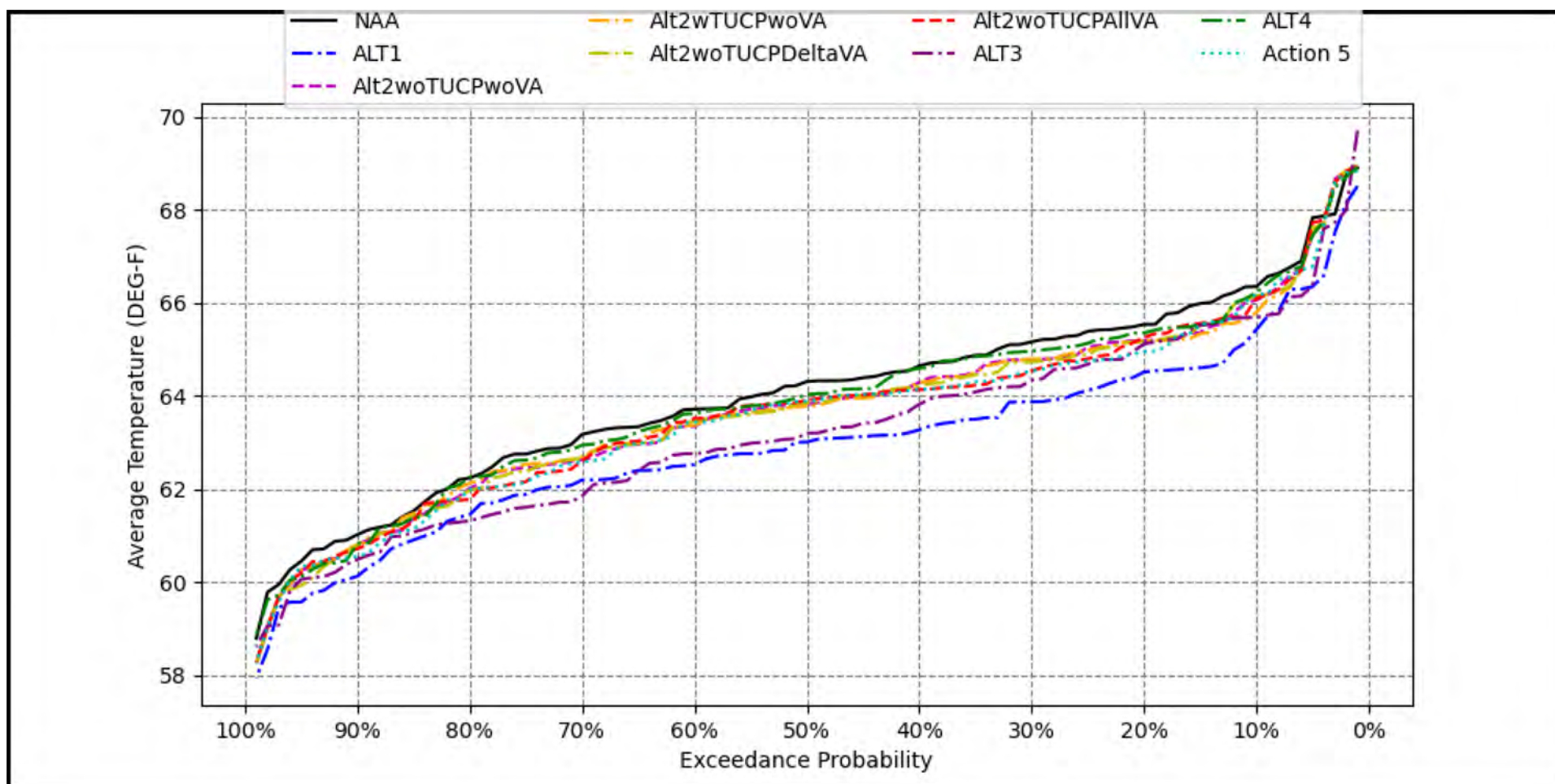
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-6 Sacramento River below Hamilton City, March Temperature



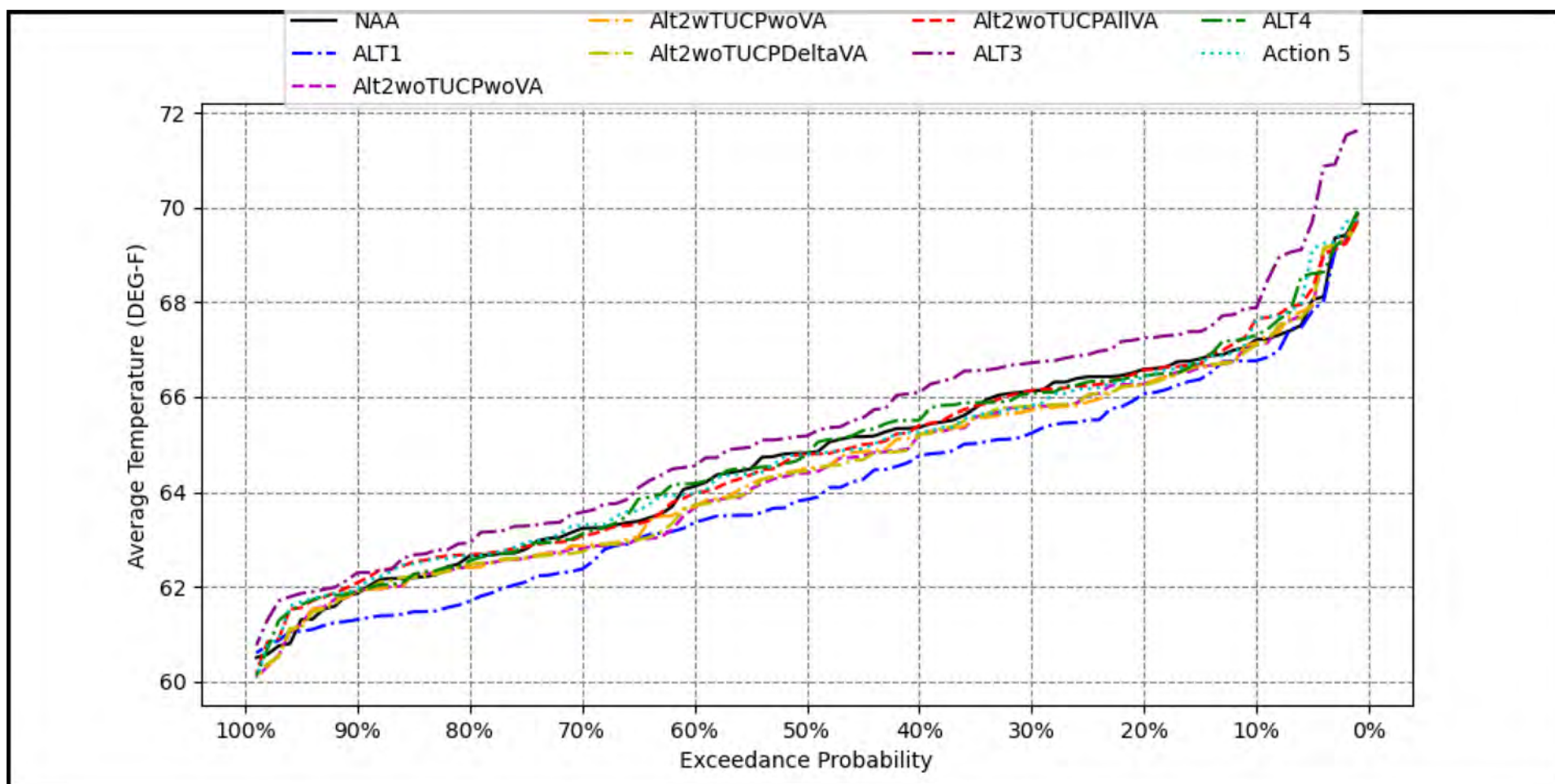
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-7 Sacramento River below Hamilton City, April Temperature



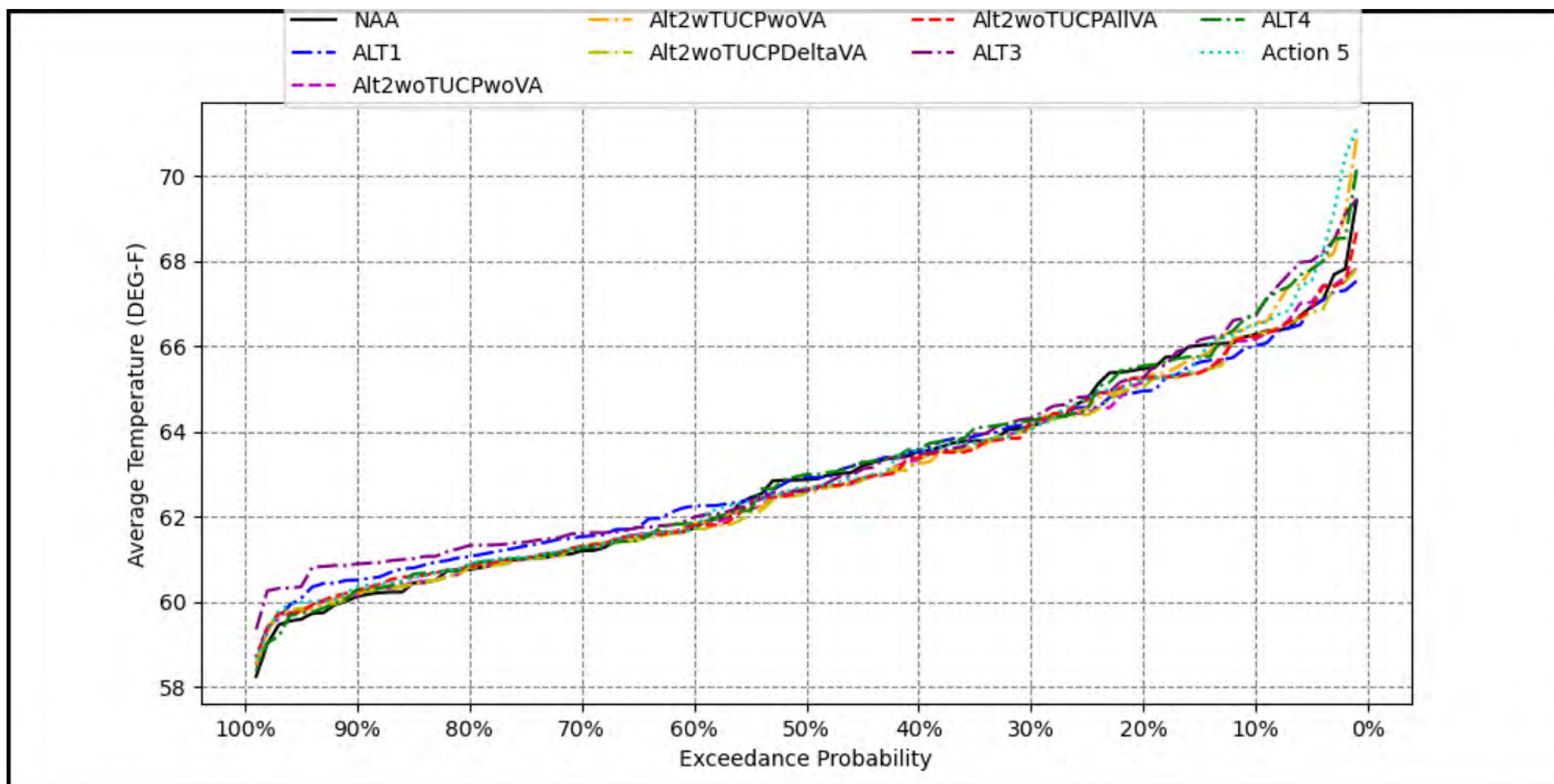
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-8 Sacramento River below Hamilton City, May Temperature



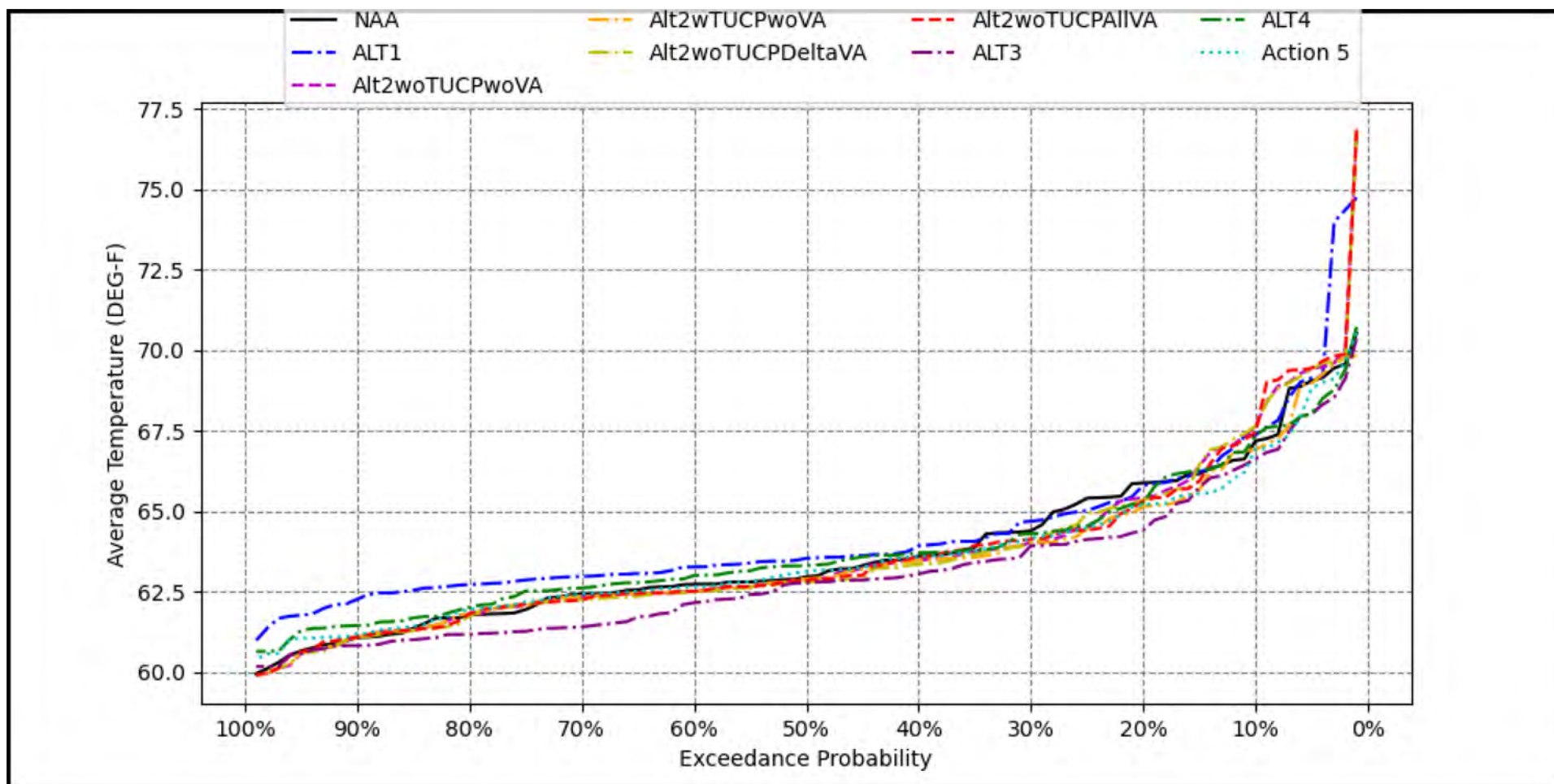
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-9 Sacramento River below Hamilton City, June Temperature



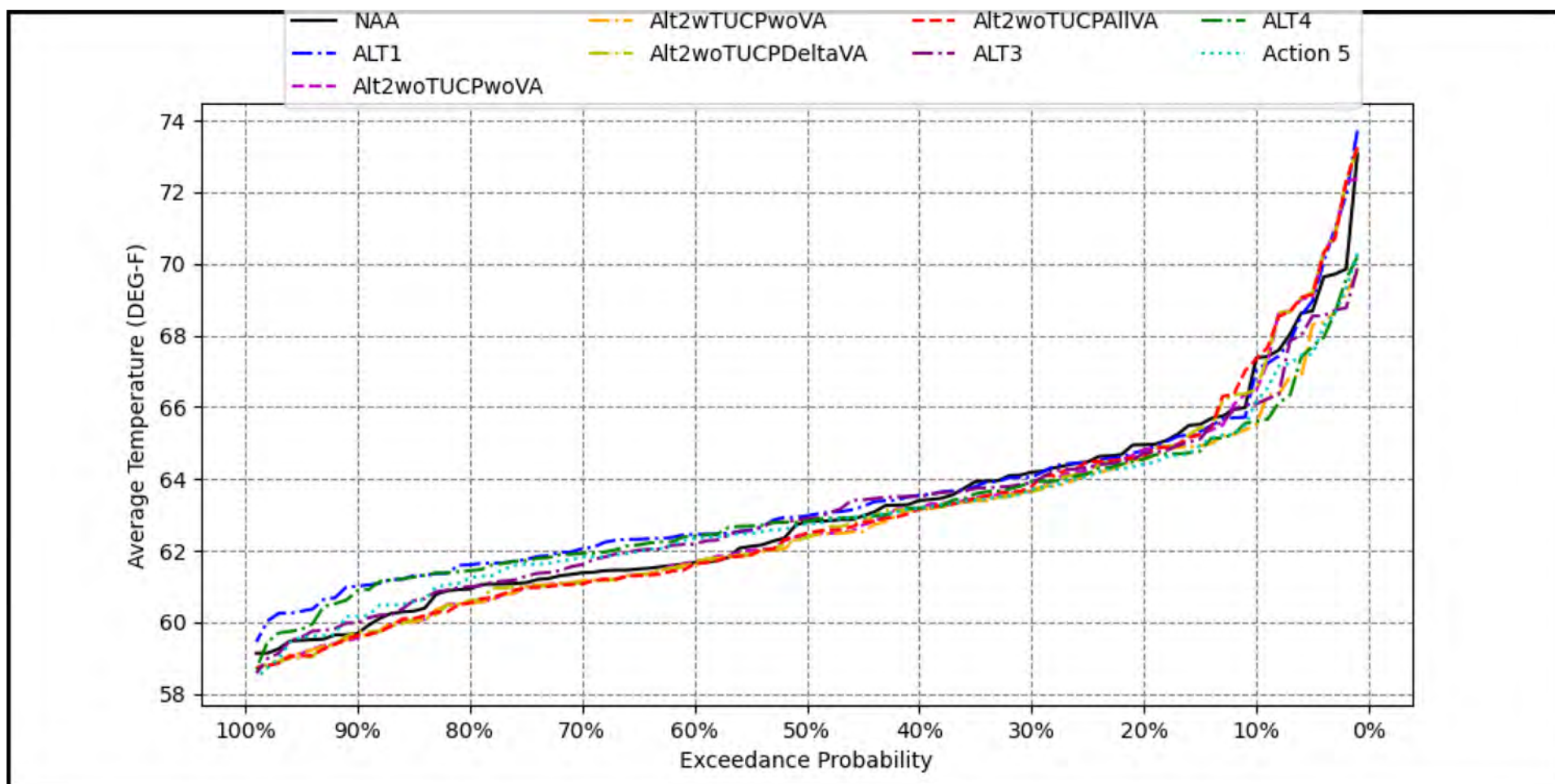
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-10 Sacramento River below Hamilton City, July Temperature



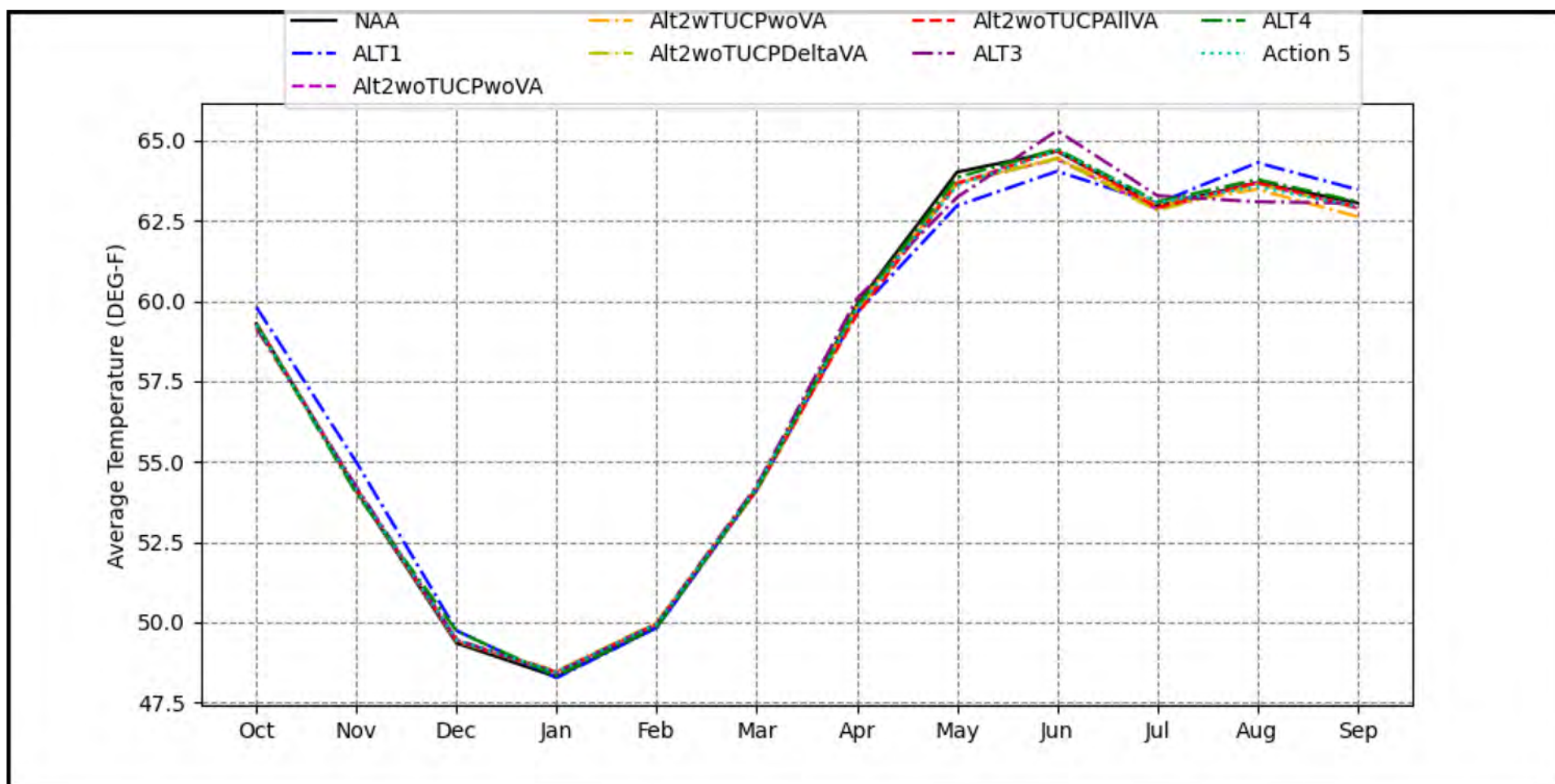
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-11 Sacramento River below Hamilton City, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-12 Sacramento River below Hamilton City, September Temperature

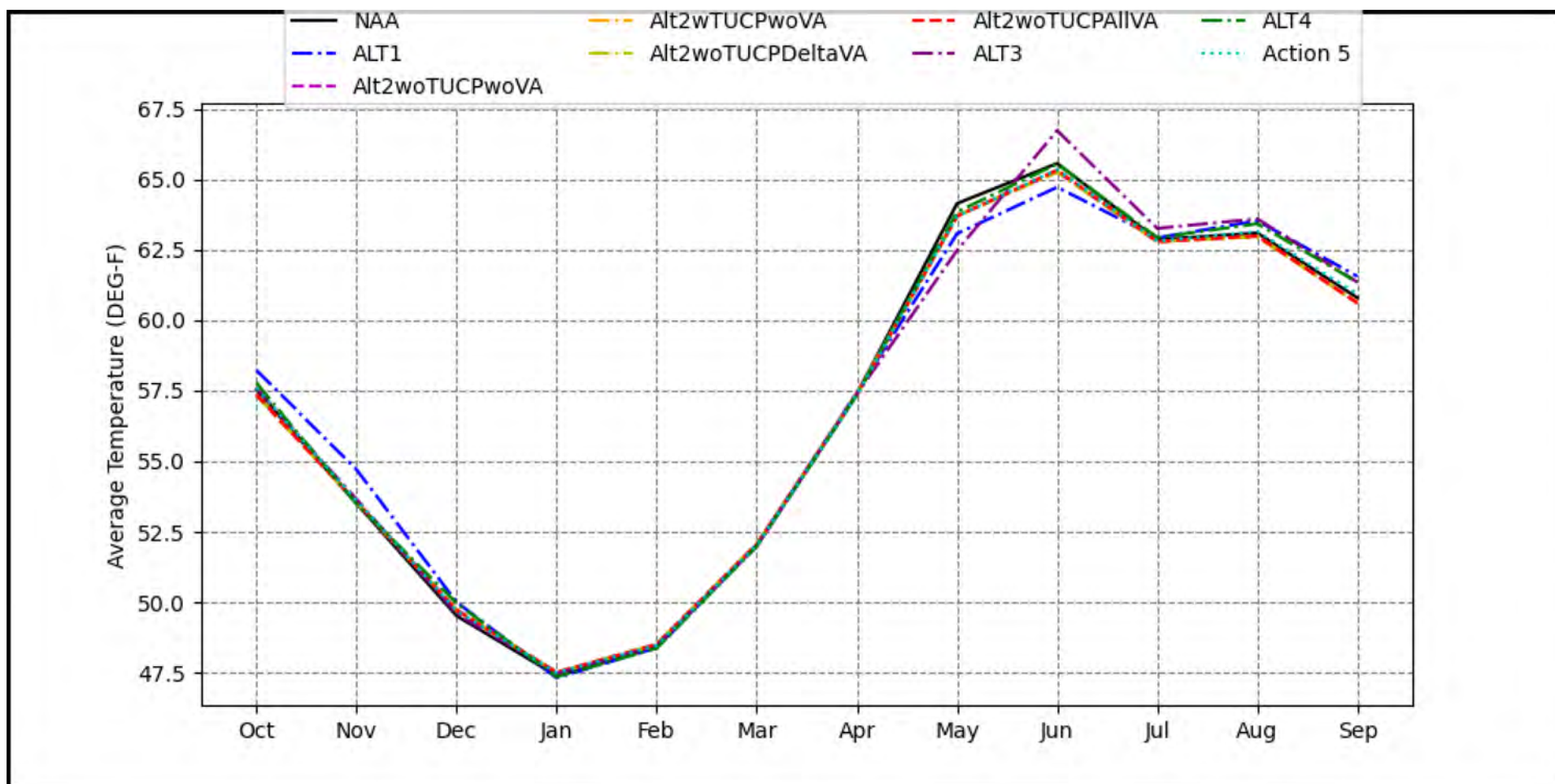


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-13 Sacramento River below Hamilton City, Long Term Average Temperature (DEG-F)

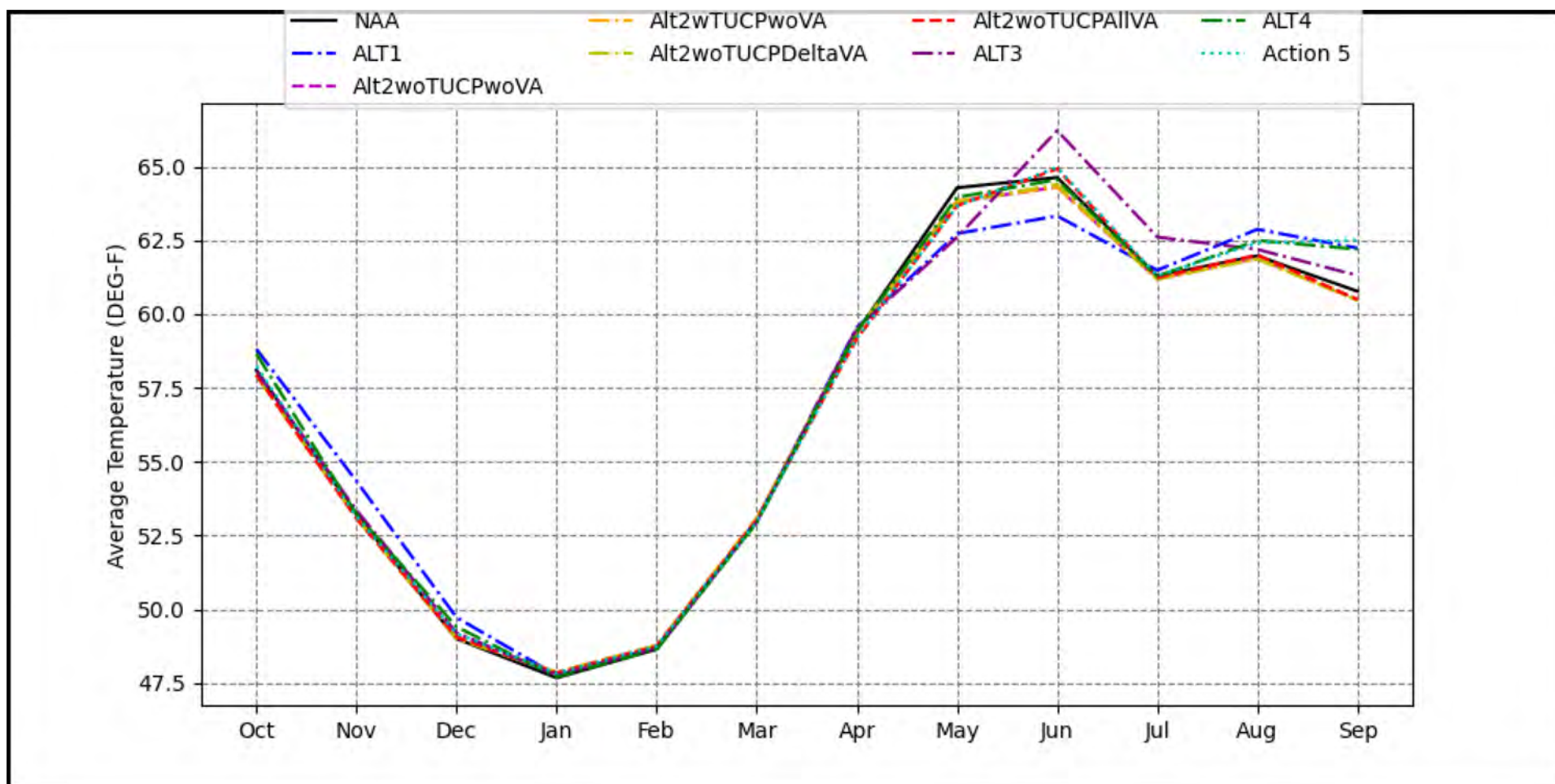


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-14 Sacramento River below Hamilton City, Wet Year Average Temperature (DEG-F)

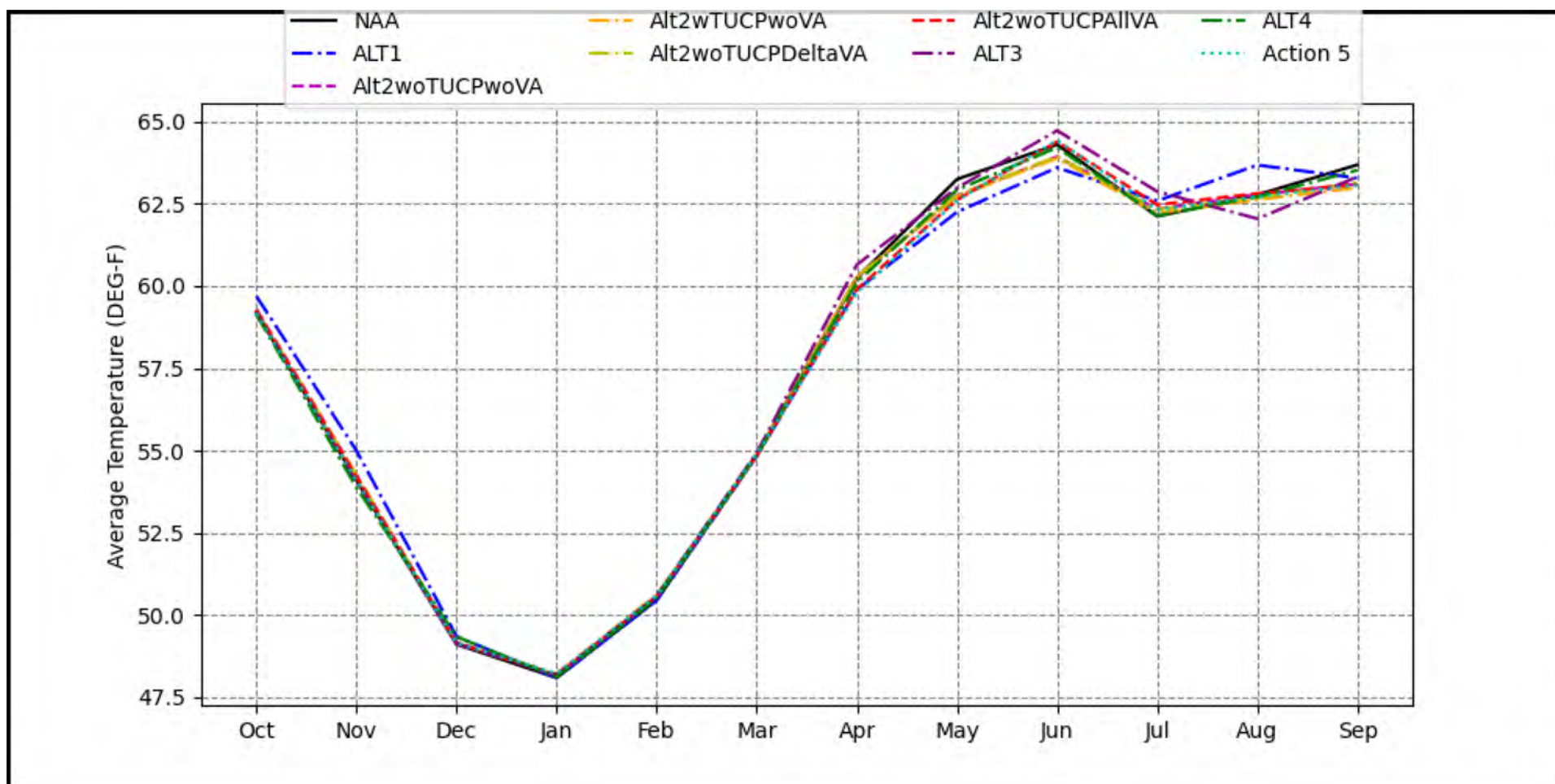


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-15 Sacramento River below Hamilton City, Above Normal Year Average Temperature (DEG-F)

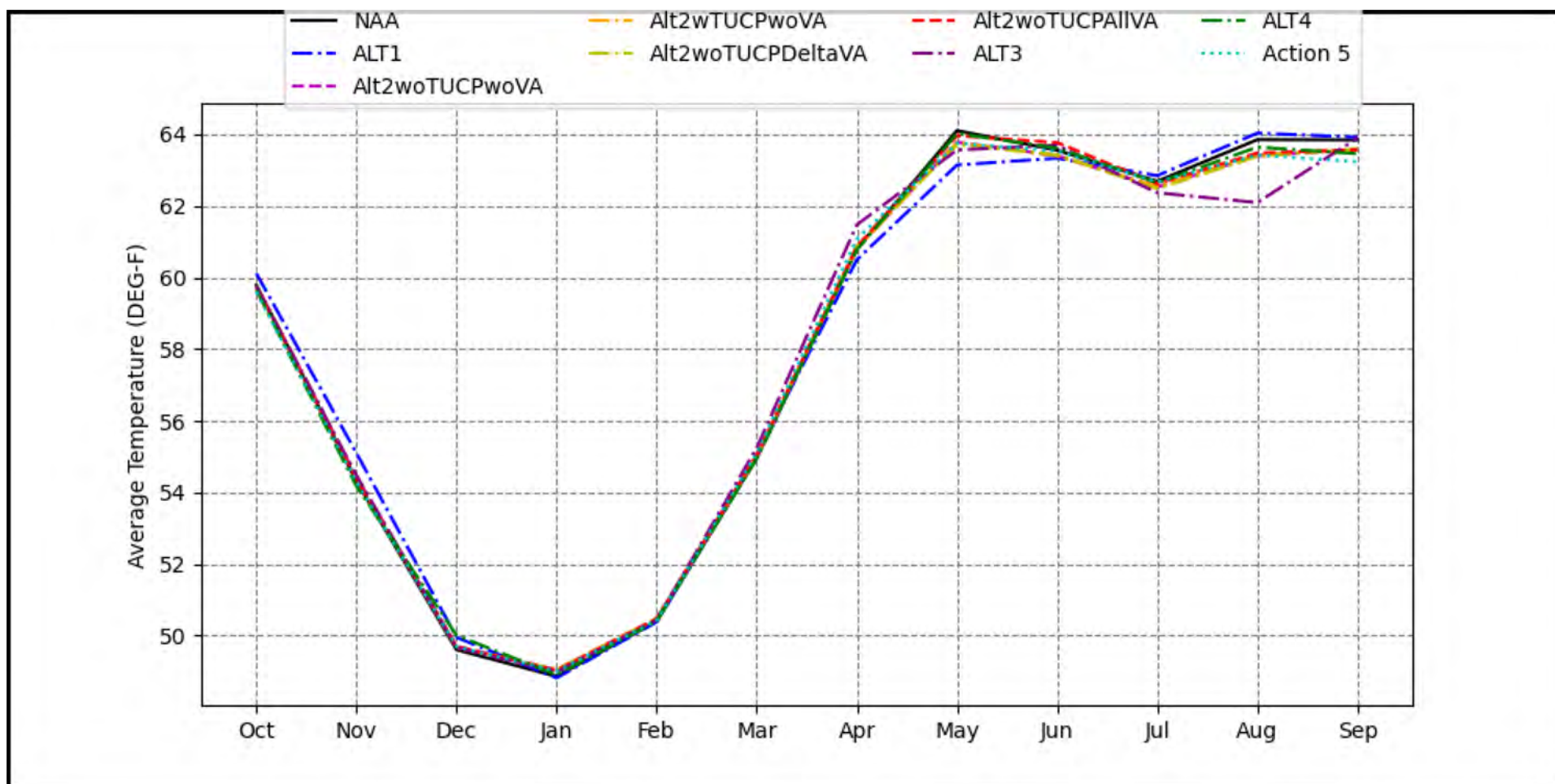


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-16 Sacramento River below Hamilton City, Below Normal Year Average Temperature (DEG-F)

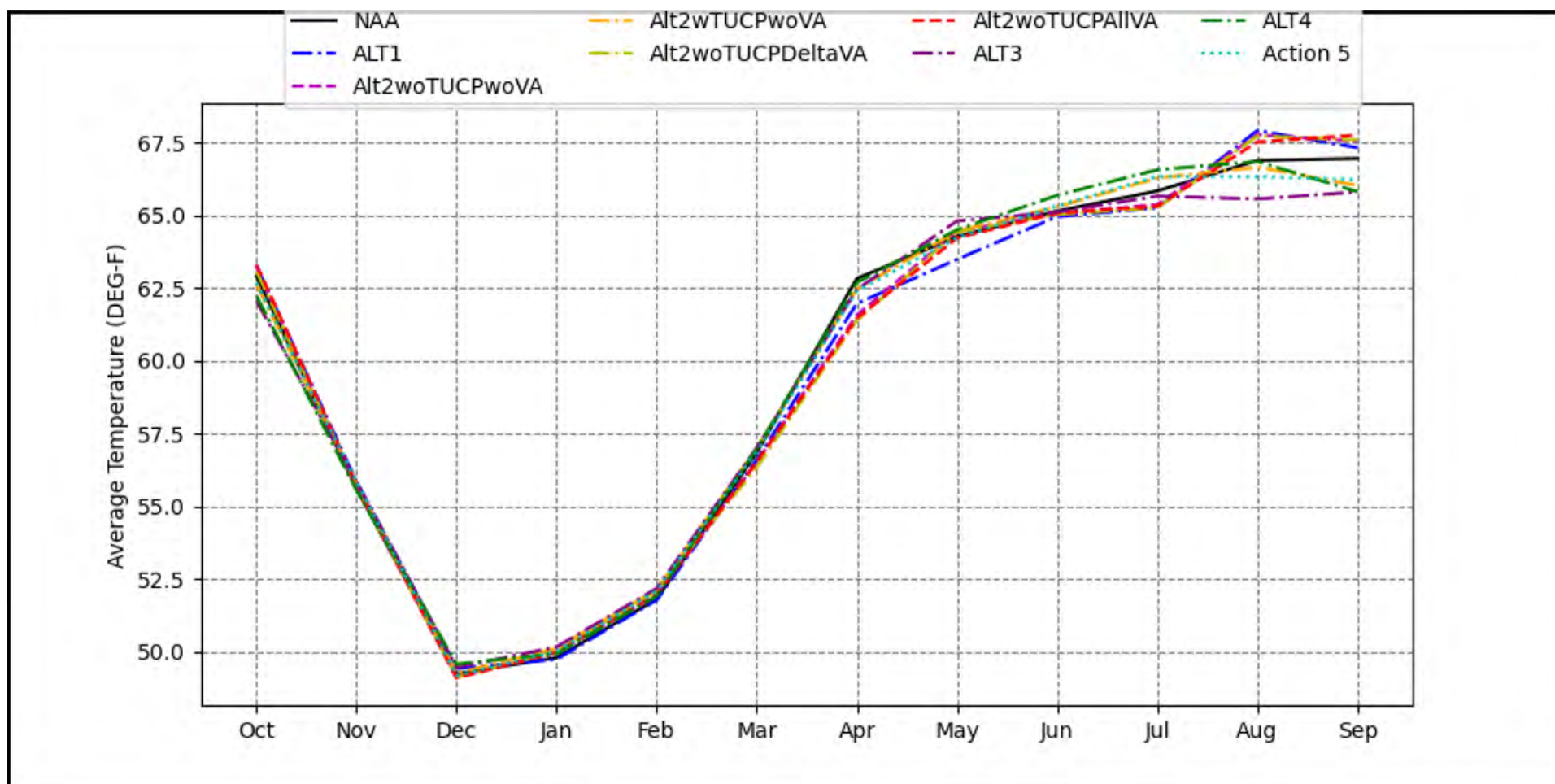


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-17 Sacramento River below Hamilton City, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-14-18 Sacramento River below Hamilton City, Critical Year Average Temperature (DEG-F)

F.2.11-15 American River below Nimbus Dam

Table F.2.11-15-1 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-1 b. American River below Nimbus Dam, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.6	59.8	53.7	49.9	50.1	53.4	55.8	61.5	66.8	67.9	69.4	69.7
20% Exceedance	66.8	59.0	53.2	49.3	49.3	53.0	53.8	60.9	65.9	67.2	68.5	68.5
30% Exceedance	65.9	58.2	52.3	48.5	48.8	52.4	53.2	59.7	65.1	66.7	68.2	67.7
40% Exceedance	65.1	57.8	51.9	47.8	48.3	51.6	52.9	58.6	64.2	66.1	67.5	67.0
50% Exceedance	63.6	57.4	51.2	47.2	47.9	51.3	52.8	58.0	63.3	65.7	67.1	66.7
60% Exceedance	63.0	56.8	50.8	46.8	47.0	50.7	52.5	57.4	62.1	65.2	66.4	66.1
70% Exceedance	62.2	56.2	50.2	46.2	46.8	50.2	52.2	57.1	61.0	64.4	66.2	65.3
80% Exceedance	61.6	55.4	49.3	45.8	46.5	49.7	51.9	56.5	59.9	63.9	65.6	64.7
90% Exceedance	61.0	54.7	48.2	45.1	46.1	48.9	51.5	55.7	59.3	63.1	64.2	64.2
Full Simulation Period Average^a	64.1	57.4	51.2	47.4	48.0	51.3	53.2	58.5	63.1	65.6	66.9	66.6
Wet Years (28%)	65.4	57.6	51.2	46.3	46.6	49.6	51.9	56.4	61.1	65.2	67.3	67.8
Above Normal Years (14%)	63.5	56.0	51.3	48.0	47.8	50.8	53.0	57.6	62.9	65.3	66.5	66.9
Below Normal Years (18%)	62.8	56.6	51.0	47.8	48.1	51.7	53.4	58.7	63.5	65.1	65.9	66.0
Dry Years (24%)	62.8	56.5	50.4	47.5	48.3	51.7	53.7	59.8	64.0	65.8	67.0	65.5
Critical Years (16%)	65.6	60.4	52.5	48.5	50.0	53.7	54.4	60.7	65.1	66.7	67.4	66.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-1 c. American River below Nimbus Dam, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.6	0.0	-0.0	-0.1	0.2	0.4	1.9	0.2	0.2	-1.1	0.0	0.2
20% Exceedance	0.5	0.1	0.2	0.5	-0.0	0.7	0.4	0.5	0.2	-1.0	-0.3	-0.1
30% Exceedance	0.5	-0.4	-0.2	0.2	0.0	0.5	0.2	0.4	0.7	-0.5	-0.1	-0.2
40% Exceedance	0.8	-0.4	-0.2	-0.1	0.1	0.1	0.1	0.2	0.8	-0.4	-0.4	-0.5
50% Exceedance	0.0	-0.3	-0.2	-0.2	0.2	0.1	0.3	0.1	0.5	-0.5	-0.3	-0.2
60% Exceedance	0.1	-0.6	-0.1	0.0	0.0	0.1	0.2	0.0	0.7	-0.4	-0.5	-0.5
70% Exceedance	-0.2	-0.6	-0.0	-0.0	0.0	0.0	0.2	0.1	0.3	-0.6	-0.2	-0.6
80% Exceedance	-0.3	-0.8	-0.2	0.1	-0.1	-0.1	-0.0	-0.1	0.0	-0.4	0.3	-0.4
90% Exceedance	0.5	-0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.1	-0.7	-0.1	-0.2
Full Simulation Period Average^a	0.3	-0.3	0.0	0.1	0.1	0.2	0.5	0.2	0.4	-0.6	-0.3	-0.4
Wet Years (28%)	0.8	-0.2	-0.2	0.1	0.0	0.1	0.0	-0.1	0.6	0.0	-0.0	0.5
Above Normal Years (14%)	0.7	-0.5	0.4	0.1	0.1	0.1	0.6	-0.2	-0.2	-0.9	0.3	0.2
Below Normal Years (18%)	0.1	-0.6	0.1	0.1	0.2	0.4	0.6	-0.1	-0.1	-1.4	-0.7	-0.4
Dry Years (24%)	-0.3	-0.6	-0.6	-0.1	-0.0	0.1	1.1	0.6	0.7	-0.6	0.0	-1.2
Critical Years (16%)	0.3	0.8	1.0	0.0	0.3	0.6	0.4	0.7	0.5	-0.9	-1.1	-1.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-2 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-2 b. American River below Nimbus Dam, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.1	60.0	53.6	49.4	49.9	53.2	53.8	61.4	66.6	69.0	69.4	69.7
20% Exceedance	66.3	59.2	52.9	48.9	49.2	52.6	53.3	60.4	65.9	68.2	68.9	68.8
30% Exceedance	65.6	58.5	52.3	48.3	48.7	52.0	53.0	59.6	65.4	67.2	68.4	68.0
40% Exceedance	64.4	58.0	51.9	47.8	48.1	51.6	52.7	58.5	64.5	66.7	67.8	67.5
50% Exceedance	63.6	57.5	51.5	47.2	47.7	51.1	52.5	58.0	63.4	66.4	67.4	67.1
60% Exceedance	63.1	57.1	50.6	46.7	47.1	50.5	52.3	57.5	62.0	65.6	66.9	66.7
70% Exceedance	62.3	56.6	50.1	46.2	46.7	50.1	52.1	57.1	60.8	65.1	66.1	66.1
80% Exceedance	61.5	55.9	49.2	45.6	46.5	49.8	51.9	56.6	60.0	64.6	65.6	65.2
90% Exceedance	60.6	55.3	48.0	44.9	46.0	48.9	51.4	55.6	59.4	64.0	64.4	64.6
Full Simulation Period Average^a	63.8	57.5	51.1	47.3	47.9	51.1	52.6	58.4	63.2	66.3	67.2	67.0
Wet Years (28%)	65.3	57.8	51.3	46.1	46.5	49.6	51.9	56.4	60.5	65.3	67.3	67.8
Above Normal Years (14%)	62.8	56.4	50.7	47.7	47.7	50.7	52.5	57.8	63.2	66.1	66.7	66.5
Below Normal Years (18%)	62.4	57.1	51.0	47.5	47.8	51.2	52.8	58.8	63.6	66.6	66.9	65.9
Dry Years (24%)	62.7	57.0	50.6	47.4	48.3	51.6	52.6	59.5	64.3	66.5	67.0	66.6
Critical Years (16%)	65.5	59.4	51.8	48.5	49.7	53.4	53.7	60.4	65.6	67.4	68.0	67.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-2 c. American River below Nimbus Dam, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.2	-0.2	-0.5	0.0	0.2	-0.1	0.2	0.1	0.0	0.1	0.2
20% Exceedance	-0.0	0.2	-0.2	0.2	-0.0	0.3	-0.1	-0.0	0.3	0.0	0.1	0.2
30% Exceedance	0.3	-0.2	-0.2	0.1	-0.1	0.1	-0.0	0.4	1.0	-0.0	0.0	0.1
40% Exceedance	0.1	-0.2	-0.1	-0.1	-0.0	0.1	-0.1	0.1	1.0	0.2	-0.2	0.0
50% Exceedance	0.1	-0.3	0.1	-0.2	-0.0	-0.1	0.0	0.1	0.6	0.1	0.1	0.2
60% Exceedance	0.2	-0.3	-0.2	-0.1	0.0	-0.1	-0.0	0.1	0.6	-0.0	-0.0	0.1
70% Exceedance	-0.1	-0.3	-0.1	-0.1	-0.1	-0.1	0.1	0.1	0.1	0.0	-0.3	0.2
80% Exceedance	-0.4	-0.3	-0.3	-0.1	-0.1	0.0	-0.0	-0.0	0.1	0.4	0.3	0.1
90% Exceedance	0.1	-0.3	-0.0	-0.1	-0.1	-0.0	-0.1	0.0	0.1	0.2	0.1	0.3
Full Simulation Period Average^a	0.1	-0.1	-0.1	-0.1	-0.0	0.0	-0.0	0.1	0.4	0.1	0.0	0.1
Wet Years (28%)	0.7	-0.0	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.2	0.0	0.5
Above Normal Years (14%)	-0.1	-0.2	-0.3	-0.2	-0.0	-0.1	0.0	-0.0	0.1	-0.2	0.4	-0.2
Below Normal Years (18%)	-0.3	-0.1	0.1	-0.2	-0.1	-0.0	0.1	0.1	-0.0	0.1	0.3	-0.5
Dry Years (24%)	-0.5	-0.1	-0.4	-0.1	0.0	0.0	-0.0	0.3	1.0	0.2	-0.1	-0.1
Critical Years (16%)	0.2	-0.2	0.3	-0.0	-0.0	0.3	-0.3	0.5	1.0	-0.2	-0.5	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-3 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-3 b. American River below Nimbus Dam, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.9	49.7	49.9	53.2	54.0	61.0	66.5	68.9	70.1	69.7
20% Exceedance	66.2	59.0	53.1	49.3	49.3	52.5	53.4	60.3	65.7	68.2	69.3	68.8
30% Exceedance	65.4	58.5	52.7	48.5	48.8	52.0	53.0	59.1	65.1	67.3	68.6	68.0
40% Exceedance	64.3	58.2	52.0	47.9	48.2	51.4	52.8	58.4	64.3	67.0	67.9	67.5
50% Exceedance	63.6	57.5	51.5	47.3	47.5	51.1	52.6	58.0	63.3	66.4	67.5	67.1
60% Exceedance	63.0	57.3	50.6	46.8	47.0	50.6	52.3	57.5	61.4	65.7	66.9	66.5
70% Exceedance	62.1	56.6	50.2	46.2	46.7	50.1	52.2	57.1	60.7	65.0	66.4	65.9
80% Exceedance	61.5	55.9	49.6	45.7	46.5	49.7	51.9	56.6	59.9	64.6	65.6	65.2
90% Exceedance	60.7	55.5	47.9	44.9	46.0	48.9	51.5	55.7	59.3	63.9	64.7	64.5
Full Simulation Period Average^a	63.7	57.6	51.2	47.4	47.9	51.1	52.7	58.2	63.0	66.3	67.4	67.0
Wet Years (28%)	65.3	57.8	51.3	46.1	46.5	49.5	51.9	56.4	60.5	65.4	67.4	67.7
Above Normal Years (14%)	62.7	56.5	50.7	48.0	47.7	50.6	52.5	57.8	63.2	66.1	66.9	66.6
Below Normal Years (18%)	62.4	57.3	51.0	47.6	47.9	51.2	52.8	58.8	63.6	66.8	67.3	66.0
Dry Years (24%)	62.7	57.1	50.7	47.5	48.4	51.6	52.6	59.4	64.3	66.5	67.0	66.7
Critical Years (16%)	64.9	59.3	52.5	48.7	49.8	53.3	54.3	59.3	64.5	67.3	68.4	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-3 c. American River below Nimbus Dam, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.0	0.0	0.2	-0.2	0.1	0.2	0.0	-0.3	-0.0	-0.0	0.7	0.2
20% Exceedance	-0.1	0.1	0.1	0.5	0.0	0.2	-0.0	-0.1	0.1	0.0	0.4	0.2
30% Exceedance	0.0	-0.2	0.2	0.2	0.0	0.1	0.0	-0.1	0.7	0.1	0.2	0.0
40% Exceedance	0.0	-0.0	-0.0	-0.1	0.0	-0.1	-0.1	0.1	0.8	0.4	-0.0	0.0
50% Exceedance	0.1	-0.2	0.1	-0.2	-0.2	-0.2	0.0	0.1	0.5	0.2	0.1	0.2
60% Exceedance	0.0	-0.1	-0.2	0.0	0.0	-0.0	-0.0	0.1	-0.0	0.1	-0.0	-0.1
70% Exceedance	-0.4	-0.2	-0.0	-0.0	-0.1	-0.0	0.1	0.1	-0.0	0.0	-0.1	-0.0
80% Exceedance	-0.4	-0.3	0.1	-0.0	-0.1	-0.0	-0.0	0.0	0.0	0.3	0.3	0.1
90% Exceedance	0.2	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.1	0.4	0.1
Full Simulation Period Average^a	-0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	-0.0	0.2	0.1	0.2	0.0
Wet Years (28%)	0.7	0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.2	0.1	0.5
Above Normal Years (14%)	-0.1	-0.1	-0.2	0.0	-0.0	-0.1	0.0	0.0	0.1	-0.1	0.7	-0.0
Below Normal Years (18%)	-0.3	0.1	0.1	-0.1	-0.0	-0.0	0.1	0.1	-0.0	0.3	0.7	-0.4
Dry Years (24%)	-0.4	-0.1	-0.4	-0.1	0.0	0.0	-0.0	0.2	1.0	0.2	-0.0	-0.1
Critical Years (16%)	-0.4	-0.3	1.0	0.2	0.1	0.2	0.3	-0.6	-0.1	-0.3	-0.2	-0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-4 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-4 b. American River below Nimbus Dam, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.1	59.8	53.6	49.6	49.8	53.1	53.8	61.1	67.1	69.2	69.6	69.5
20% Exceedance	66.5	59.0	53.0	48.8	49.2	52.6	53.4	60.4	66.1	68.0	69.0	68.5
30% Exceedance	65.6	58.6	52.4	48.1	48.7	51.9	53.0	59.5	65.3	67.1	68.3	67.8
40% Exceedance	64.8	57.9	52.0	47.6	48.1	51.4	52.8	58.6	64.5	66.7	67.8	67.4
50% Exceedance	63.7	57.5	51.4	47.3	47.7	51.1	52.5	58.0	63.1	66.4	67.4	66.8
60% Exceedance	63.1	57.1	50.6	46.7	47.1	50.6	52.2	57.5	61.8	65.6	66.9	66.4
70% Exceedance	62.4	56.7	50.1	46.2	46.7	50.1	52.0	57.0	60.7	65.1	66.3	65.8
80% Exceedance	61.5	55.8	49.5	45.7	46.4	49.7	51.9	56.5	59.9	64.3	65.7	65.0
90% Exceedance	60.6	55.2	48.3	45.0	46.0	48.9	51.5	55.6	59.4	63.8	64.5	64.4
Full Simulation Period Average^a	63.9	57.5	51.1	47.3	47.8	51.1	52.6	58.3	63.1	66.2	67.2	66.8
Wet Years (28%)	65.2	57.7	51.3	46.2	46.6	49.6	51.9	56.4	60.4	65.1	67.5	67.6
Above Normal Years (14%)	62.7	56.6	50.7	47.9	47.7	50.7	52.4	57.7	63.2	66.2	66.7	66.4
Below Normal Years (18%)	62.4	57.1	51.0	47.5	47.8	51.2	52.8	58.7	63.7	66.3	66.7	65.9
Dry Years (24%)	62.6	56.8	50.7	47.3	48.2	51.4	52.6	59.4	64.2	66.5	67.3	66.4
Critical Years (16%)	66.0	59.6	52.0	48.5	49.7	53.4	53.9	60.2	65.7	67.5	67.5	67.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-4 c. American River below Nimbus Dam, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	-0.0	-0.2	-0.3	-0.0	0.1	-0.1	-0.1	0.5	0.2	0.2	-0.0
20% Exceedance	0.2	0.0	-0.1	0.0	-0.1	0.3	-0.0	-0.0	0.5	-0.2	0.1	-0.1
30% Exceedance	0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.3	0.9	-0.1	-0.1	-0.2
40% Exceedance	0.6	-0.3	-0.0	-0.3	-0.1	-0.1	-0.0	0.2	1.0	0.2	-0.2	-0.1
50% Exceedance	0.2	-0.3	-0.0	-0.1	-0.0	-0.1	-0.0	0.1	0.3	0.1	0.1	-0.0
60% Exceedance	0.1	-0.3	-0.2	-0.1	0.0	0.0	-0.0	0.1	0.4	-0.1	0.0	-0.2
70% Exceedance	0.0	-0.1	-0.1	-0.0	-0.1	-0.1	-0.0	-0.0	-0.1	0.0	-0.1	-0.2
80% Exceedance	-0.4	-0.4	-0.0	-0.1	-0.1	-0.1	-0.0	-0.1	0.0	-0.0	0.3	-0.1
90% Exceedance	0.1	-0.4	0.3	-0.1	-0.1	-0.1	0.0	-0.0	0.1	-0.0	0.2	-0.0
Full Simulation Period Average^a	0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.1	0.4	-0.0	0.0	-0.2
Wet Years (28%)	0.6	-0.0	-0.1	0.0	0.0	0.0	0.0	-0.0	-0.1	-0.1	0.2	0.3
Above Normal Years (14%)	-0.2	-0.0	-0.3	-0.1	-0.0	-0.1	-0.0	-0.1	0.1	-0.0	0.5	-0.2
Below Normal Years (18%)	-0.3	-0.1	0.1	-0.2	-0.1	0.0	0.1	-0.0	0.1	-0.2	0.1	-0.5
Dry Years (24%)	-0.5	-0.4	-0.4	-0.3	-0.1	-0.2	-0.1	0.2	0.9	0.2	0.2	-0.4
Critical Years (16%)	0.7	-0.0	0.5	-0.1	0.0	0.2	-0.1	0.2	1.1	-0.1	-1.0	-0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-5 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-5 b. American River below Nimbus Dam, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.1	59.9	53.6	49.7	49.8	53.1	53.5	61.6	67.1	68.7	69.3	69.6
20% Exceedance	66.6	58.9	53.1	48.6	49.1	52.4	53.3	60.5	65.9	67.9	68.5	68.8
30% Exceedance	65.9	58.4	52.3	48.1	48.6	51.8	52.9	59.4	65.3	67.1	68.1	67.9
40% Exceedance	65.0	58.0	51.9	47.6	48.1	51.4	52.8	58.8	64.8	66.5	67.5	67.5
50% Exceedance	63.6	57.6	51.3	47.2	47.7	51.0	52.6	58.2	63.4	66.0	67.3	67.0
60% Exceedance	63.2	57.1	50.5	46.8	47.1	50.6	52.2	57.5	62.0	65.6	66.8	66.7
70% Exceedance	62.7	56.6	50.2	46.3	46.8	50.2	52.1	57.0	60.5	65.0	66.2	66.2
80% Exceedance	62.1	56.1	49.6	45.8	46.5	49.8	51.9	56.5	59.9	64.5	65.4	65.2
90% Exceedance	61.0	55.5	48.3	45.1	46.0	48.9	51.6	55.6	59.2	63.7	64.4	64.7
Full Simulation Period Average^a	64.1	57.5	51.1	47.3	47.8	51.1	52.6	58.4	63.2	66.1	67.0	67.0
Wet Years (28%)	65.3	57.8	51.3	46.2	46.6	49.6	51.9	56.3	60.4	65.0	67.4	67.6
Above Normal Years (14%)	62.9	56.4	50.8	47.9	47.7	50.7	52.4	57.7	63.0	66.0	66.2	66.5
Below Normal Years (18%)	62.5	57.0	50.8	47.4	47.8	51.2	52.8	58.7	64.1	66.4	66.9	66.7
Dry Years (24%)	63.2	57.1	50.8	47.5	48.3	51.5	52.6	59.7	64.2	66.2	66.8	66.7
Critical Years (16%)	65.9	59.4	52.0	48.2	49.4	53.3	53.5	60.6	65.5	67.5	67.3	67.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-5 c. American River below Nimbus Dam, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.0	0.1	-0.2	-0.3	0.0	0.2	-0.4	0.4	0.5	-0.3	-0.1	0.1
20% Exceedance	0.3	-0.0	0.0	-0.2	-0.2	0.1	-0.1	0.1	0.3	-0.3	-0.3	0.2
30% Exceedance	0.5	-0.2	-0.3	-0.2	-0.1	-0.1	-0.1	0.2	0.9	-0.1	-0.3	-0.0
40% Exceedance	0.8	-0.2	-0.1	-0.3	-0.1	-0.1	-0.1	0.4	1.3	-0.1	-0.5	-0.0
50% Exceedance	-0.0	-0.2	-0.1	-0.3	-0.0	-0.2	0.0	0.3	0.5	-0.2	-0.1	0.1
60% Exceedance	0.2	-0.3	-0.3	0.1	0.1	-0.0	-0.1	0.1	0.6	-0.0	-0.1	0.1
70% Exceedance	0.3	-0.2	-0.0	0.1	-0.0	0.0	0.0	-0.0	-0.2	-0.0	-0.2	0.3
80% Exceedance	0.2	-0.1	0.1	0.1	-0.1	0.0	-0.0	-0.1	0.0	0.2	0.1	0.1
90% Exceedance	0.5	-0.2	0.3	0.0	-0.1	-0.0	0.1	-0.1	-0.0	-0.1	0.1	0.3
Full Simulation Period Average^a	0.3	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.2	0.4	-0.1	-0.2	0.1
Wet Years (28%)	0.6	-0.0	-0.1	0.0	0.0	0.0	-0.0	-0.1	-0.1	-0.2	0.1	0.3
Above Normal Years (14%)	0.0	-0.2	-0.2	-0.0	-0.1	-0.1	-0.0	-0.1	-0.0	-0.2	-0.1	-0.2
Below Normal Years (18%)	-0.2	-0.3	-0.1	-0.3	-0.1	-0.0	0.0	-0.1	0.5	-0.1	0.2	0.3
Dry Years (24%)	0.1	-0.0	-0.3	-0.0	0.0	-0.1	0.0	0.5	0.9	-0.1	-0.2	-0.0
Critical Years (16%)	0.6	-0.2	0.5	-0.4	-0.3	0.2	-0.5	0.6	0.9	-0.1	-1.2	-0.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-6 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-6 b. American River below Nimbus Dam, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.1	60.4	54.3	50.1	50.3	53.6	53.9	61.7	66.3	68.5	69.3	69.8
20% Exceedance	66.6	59.1	53.6	49.1	49.4	52.4	53.2	60.3	65.2	67.6	68.9	68.8
30% Exceedance	66.0	58.6	52.9	48.7	48.8	51.9	53.0	59.5	64.6	67.1	68.3	68.3
40% Exceedance	65.1	58.1	52.1	48.0	48.2	51.3	52.8	59.0	63.8	66.5	67.6	67.5
50% Exceedance	64.2	57.9	51.6	47.4	47.6	51.0	52.6	58.5	62.9	66.3	67.3	66.9
60% Exceedance	63.7	57.7	51.1	47.1	47.3	50.6	52.5	58.2	62.2	66.0	66.5	66.7
70% Exceedance	62.9	57.0	50.5	46.8	46.9	50.2	52.3	57.8	61.3	65.4	66.0	66.1
80% Exceedance	62.2	56.4	49.9	46.2	46.5	49.8	52.1	57.0	60.1	65.1	65.5	65.1
90% Exceedance	61.6	55.6	48.8	45.2	46.1	49.0	51.6	55.6	59.5	63.9	64.6	64.5
Full Simulation Period Average^a	64.4	57.9	51.6	47.6	48.0	51.2	52.7	58.7	62.9	66.2	67.1	67.0
Wet Years (28%)	65.1	57.8	51.5	46.3	46.6	49.5	52.0	56.9	60.7	65.3	66.9	67.3
Above Normal Years (14%)	63.7	56.3	50.7	48.0	47.7	50.5	52.9	59.1	63.1	66.3	66.2	66.8
Below Normal Years (18%)	63.9	58.2	51.7	47.8	48.0	51.2	52.7	58.8	63.5	66.4	67.0	66.8
Dry Years (24%)	63.4	57.7	51.7	47.7	48.4	51.8	52.7	59.4	63.5	66.3	67.2	66.8
Critical Years (16%)	65.6	59.4	52.2	49.3	50.2	53.6	53.9	60.2	65.0	67.3	67.8	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-6 c. American River below Nimbus Dam, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.1	0.6	0.5	0.1	0.5	0.6	-0.1	0.5	-0.2	-0.5	-0.1	0.3
20% Exceedance	0.2	0.1	0.6	0.4	0.1	0.1	-0.2	-0.1	-0.4	-0.6	0.0	0.2
30% Exceedance	0.6	-0.0	0.4	0.4	0.0	0.0	0.0	0.3	0.1	-0.1	-0.1	0.3
40% Exceedance	0.8	-0.1	0.1	0.0	0.0	-0.2	0.0	0.6	0.3	-0.1	-0.4	0.0
50% Exceedance	0.7	0.2	0.2	-0.0	-0.1	-0.3	0.1	0.6	0.1	0.0	-0.1	0.0
60% Exceedance	0.8	0.3	0.3	0.3	0.2	0.0	0.2	0.9	0.8	0.3	-0.4	0.1
70% Exceedance	0.5	0.2	0.3	0.6	0.1	0.1	0.2	0.8	0.6	0.4	-0.4	0.2
80% Exceedance	0.3	0.3	0.4	0.5	-0.1	-0.0	0.2	0.4	0.2	0.8	0.2	-0.0
90% Exceedance	1.1	-0.0	0.8	0.2	0.1	0.0	0.2	-0.0	0.3	0.1	0.4	0.1
Full Simulation Period Average^a	0.6	0.2	0.4	0.2	0.1	0.1	0.1	0.4	0.2	-0.0	-0.1	0.1
Wet Years (28%)	0.5	0.0	0.1	0.2	0.1	-0.0	0.1	0.5	0.2	0.2	-0.4	0.1
Above Normal Years (14%)	0.9	-0.3	-0.3	0.1	-0.0	-0.2	0.4	1.3	0.1	0.1	-0.0	0.1
Below Normal Years (18%)	1.3	0.9	0.8	0.1	0.1	-0.1	0.0	0.1	-0.2	-0.1	0.4	0.4
Dry Years (24%)	0.3	0.5	0.6	0.2	0.1	0.2	0.1	0.2	0.2	-0.1	0.2	0.0
Critical Years (16%)	0.3	-0.2	0.7	0.7	0.5	0.5	-0.2	0.3	0.4	-0.4	-0.7	-0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-7 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-7 b. American River below Nimbus Dam, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62.5	58.0	55.8	50.9	51.1	53.4	56.6	62.8	66.3	67.3	67.8	67.5
20% Exceedance	61.0	56.5	54.8	50.1	49.8	52.5	55.9	61.8	65.1	65.9	66.2	65.6
30% Exceedance	60.6	55.8	54.0	49.3	49.2	52.0	55.7	60.7	64.3	64.9	65.6	65.0
40% Exceedance	60.6	55.7	53.2	48.4	48.4	51.6	55.3	59.8	63.7	64.7	65.2	64.7
50% Exceedance	60.5	55.5	52.7	47.8	47.7	51.2	54.8	59.0	62.8	64.5	64.7	64.6
60% Exceedance	60.4	55.4	51.9	47.4	47.3	50.7	54.3	58.1	61.9	64.2	64.6	64.5
70% Exceedance	60.1	55.3	51.7	47.0	46.9	50.3	53.4	57.3	60.9	64.0	64.3	64.3
80% Exceedance	59.6	55.2	50.9	46.1	46.6	49.7	52.7	56.7	60.2	63.7	63.7	63.9
90% Exceedance	58.2	54.9	49.5	45.4	46.0	49.0	51.8	55.7	59.6	63.1	63.0	63.0
Full Simulation Period Average^a	60.4	55.8	52.6	48.0	48.2	51.2	54.5	59.2	62.9	64.9	65.1	64.9
Wet Years (28%)	60.3	55.6	52.8	46.5	46.6	49.5	52.7	56.8	60.5	64.1	64.9	64.6
Above Normal Years (14%)	60.5	54.6	52.3	48.4	47.9	50.7	54.3	58.5	62.5	64.4	64.5	64.3
Below Normal Years (18%)	59.1	55.8	52.4	48.5	48.3	51.4	54.7	59.5	63.3	64.5	64.7	64.2
Dry Years (24%)	60.6	55.9	52.3	48.2	48.8	51.7	55.5	60.8	63.8	64.8	64.5	64.9
Critical Years (16%)	61.9	57.3	53.2	49.6	50.4	53.6	56.2	61.2	65.8	67.4	67.4	66.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-7 c. American River below Nimbus Dam, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4.5	-1.8	2.0	0.9	1.2	0.5	2.7	1.5	-0.2	-1.7	-1.6	-2.0
20% Exceedance	-5.3	-2.4	1.8	1.4	0.5	0.1	2.5	1.4	-0.5	-2.3	-2.7	-3.0
30% Exceedance	-4.7	-2.8	1.4	1.0	0.5	0.1	2.7	1.5	-0.1	-2.3	-2.8	-2.9
40% Exceedance	-3.7	-2.5	1.2	0.5	0.3	0.1	2.5	1.4	0.2	-1.9	-2.7	-2.8
50% Exceedance	-3.1	-2.2	1.3	0.4	0.0	0.0	2.3	1.1	-0.0	-1.7	-2.6	-2.2
60% Exceedance	-2.6	-2.0	1.1	0.7	0.3	0.1	2.0	0.7	0.5	-1.4	-2.3	-2.1
70% Exceedance	-2.3	-1.5	1.5	0.7	0.1	0.1	1.4	0.2	0.1	-1.0	-2.1	-1.7
80% Exceedance	-2.3	-1.0	1.4	0.4	0.0	-0.1	0.8	0.1	0.3	-0.5	-1.6	-1.2
90% Exceedance	-2.3	-0.7	1.6	0.3	-0.1	0.0	0.4	0.0	0.3	-0.7	-1.3	-1.4
Full Simulation Period Average^a	-3.4	-1.8	1.4	0.7	0.3	0.1	1.8	0.9	0.2	-1.3	-2.1	-2.0
Wet Years (28%)	-4.3	-2.1	1.4	0.4	0.1	-0.0	0.8	0.4	0.0	-1.1	-2.4	-2.6
Above Normal Years (14%)	-2.4	-2.0	1.3	0.5	0.1	-0.1	1.8	0.7	-0.6	-1.9	-1.8	-2.3
Below Normal Years (18%)	-3.6	-1.4	1.4	0.8	0.4	0.2	1.9	0.7	-0.3	-2.0	-1.9	-2.2
Dry Years (24%)	-2.5	-1.3	1.3	0.7	0.5	0.1	2.8	1.6	0.5	-1.5	-2.5	-1.9
Critical Years (16%)	-3.4	-2.3	1.7	1.0	0.7	0.5	2.1	1.2	1.2	-0.2	-1.1	-0.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-8 a. American River below Nimbus Dam, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.0	59.8	53.8	49.9	49.8	53.0	54.0	61.3	66.6	69.0	69.4	69.5
20% Exceedance	66.3	58.9	53.0	48.7	49.3	52.3	53.4	60.4	65.6	68.2	68.8	68.6
30% Exceedance	65.4	58.7	52.5	48.2	48.8	51.9	53.0	59.2	64.4	67.2	68.4	67.9
40% Exceedance	64.3	58.2	52.0	47.9	48.1	51.5	52.8	58.4	63.5	66.6	67.9	67.5
50% Exceedance	63.6	57.7	51.4	47.4	47.7	51.2	52.5	57.9	62.8	66.2	67.3	66.9
60% Exceedance	62.9	57.4	50.8	46.8	47.0	50.6	52.3	57.4	61.4	65.6	66.9	66.6
70% Exceedance	62.4	56.8	50.2	46.2	46.8	50.2	52.1	57.0	60.7	65.0	66.4	65.9
80% Exceedance	61.9	56.2	49.5	45.7	46.5	49.8	51.9	56.6	59.9	64.3	65.3	65.1
90% Exceedance	60.5	55.6	48.0	45.1	46.1	48.9	51.5	55.6	59.2	63.8	64.3	64.4
Full Simulation Period Average^a	63.8	57.6	51.2	47.4	47.9	51.1	52.6	58.3	62.8	66.2	67.2	66.9
Wet Years (28%)	64.6	57.8	51.4	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.3	67.2
Above Normal Years (14%)	62.9	56.6	51.0	47.9	47.7	50.7	52.5	57.8	63.1	66.3	66.3	66.6
Below Normal Years (18%)	62.7	57.2	50.9	47.7	47.9	51.2	52.7	58.8	63.6	66.5	66.6	66.4
Dry Years (24%)	63.1	57.2	51.1	47.6	48.3	51.6	52.6	59.2	63.3	66.3	67.0	66.7
Critical Years (16%)	65.3	59.6	51.5	48.5	49.7	53.1	54.0	60.0	64.6	67.6	68.5	67.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-8 b. American River below Nimbus Dam, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	66.8	59.8	53.4	50.1	50.0	53.2	53.8	61.3	67.2	68.8	69.5	69.7
20% Exceedance	66.2	58.8	53.0	49.1	49.3	52.4	53.4	60.1	65.8	68.2	68.8	68.8
30% Exceedance	65.3	58.2	52.6	48.4	48.8	51.9	53.0	59.2	64.9	67.7	68.4	67.8
40% Exceedance	64.3	57.8	52.0	47.9	48.4	51.6	52.8	58.4	64.4	66.8	67.9	67.4
50% Exceedance	63.4	57.6	51.5	47.5	47.8	51.1	52.7	58.0	63.5	66.2	67.4	66.8
60% Exceedance	63.0	57.1	50.7	47.0	47.1	50.7	52.3	57.5	61.4	65.7	66.7	66.5
70% Exceedance	62.2	56.6	50.3	46.3	46.7	50.2	52.2	57.1	60.5	64.9	66.4	65.7
80% Exceedance	61.6	56.1	49.9	45.9	46.4	49.7	51.9	56.7	59.9	64.2	65.3	64.9
90% Exceedance	60.8	55.1	47.6	45.0	45.9	48.9	51.7	55.6	59.2	63.5	64.4	64.1
Full Simulation Period Average^a	63.7	57.5	51.2	47.5	47.9	51.1	52.7	58.3	63.1	66.1	67.2	66.8
Wet Years (28%)	64.7	57.5	51.3	46.1	46.5	49.6	51.9	56.4	60.5	65.2	67.7	67.6
Above Normal Years (14%)	63.5	56.4	50.9	48.0	47.7	50.7	52.4	57.7	63.2	66.1	66.4	66.5
Below Normal Years (18%)	62.5	57.1	50.6	47.8	47.9	51.2	52.8	58.7	64.1	66.4	67.1	66.2
Dry Years (24%)	62.9	57.3	51.1	47.6	48.3	51.6	52.8	59.6	64.0	66.3	66.4	66.2
Critical Years (16%)	64.8	59.1	52.0	48.8	50.0	53.3	54.3	59.7	65.0	67.4	68.2	67.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-15-8 c. American River below Nimbus Dam, Action 5 Minus NAA, Monthly Temperature (DEG-F)

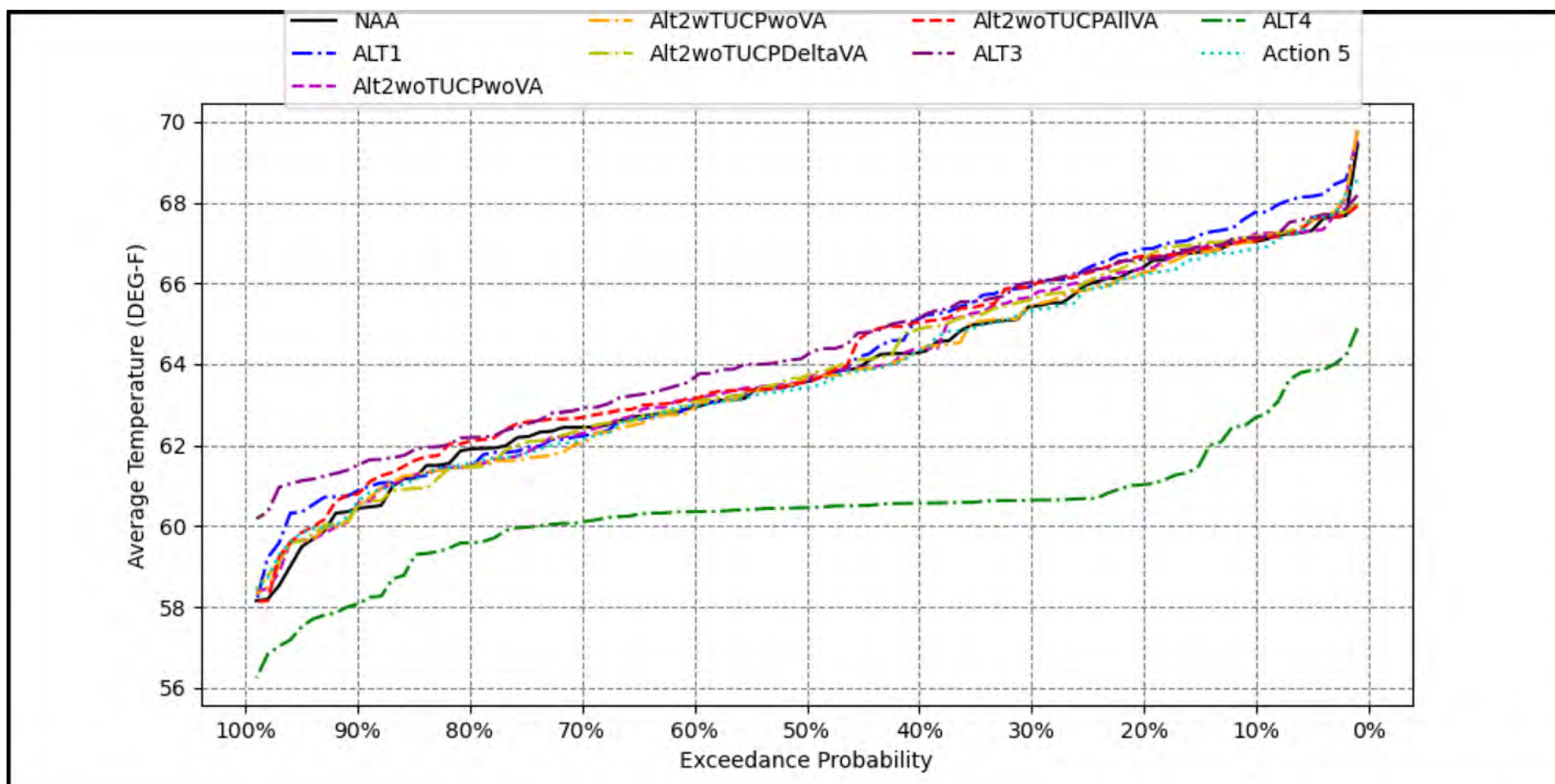
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.2	-0.0	-0.3	0.1	0.1	0.2	-0.1	0.1	0.6	-0.2	0.2	0.2
20% Exceedance	-0.2	-0.1	-0.1	0.4	0.1	0.1	0.0	-0.3	0.2	0.0	0.0	0.2
30% Exceedance	-0.1	-0.4	0.1	0.1	0.1	0.0	0.0	-0.1	0.5	0.5	0.1	-0.1
40% Exceedance	0.0	-0.3	0.0	-0.0	0.2	0.1	0.0	-0.0	0.9	0.2	-0.0	-0.1
50% Exceedance	-0.1	-0.2	0.1	0.1	0.1	-0.1	0.1	0.1	0.6	-0.1	0.1	-0.1
60% Exceedance	0.0	-0.3	-0.1	0.2	0.1	0.1	0.0	0.2	-0.0	0.0	-0.2	-0.1
70% Exceedance	-0.3	-0.2	0.1	0.0	-0.0	0.0	0.1	0.1	-0.3	-0.2	-0.1	-0.3
80% Exceedance	-0.3	-0.1	0.4	0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.0	-0.3
90% Exceedance	0.3	-0.5	-0.3	-0.1	-0.1	-0.0	0.2	-0.0	-0.0	-0.3	0.1	-0.3
Full Simulation Period Average^a	-0.1	-0.2	-0.0	0.1	0.1	0.0	0.1	0.0	0.3	-0.1	0.0	-0.1
Wet Years (28%)	0.1	-0.3	-0.1	-0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.1	0.3	0.3
Above Normal Years (14%)	0.7	-0.2	-0.1	0.1	-0.1	-0.0	-0.0	-0.1	0.1	-0.2	0.2	-0.1
Below Normal Years (18%)	-0.2	-0.1	-0.4	0.1	0.0	-0.0	0.1	-0.1	0.5	-0.1	0.5	-0.2
Dry Years (24%)	-0.2	0.2	0.1	0.0	0.0	0.0	0.2	0.4	0.6	-0.1	-0.6	-0.5
Critical Years (16%)	-0.6	-0.6	0.5	0.3	0.3	0.2	0.2	-0.3	0.4	-0.2	-0.3	-0.3

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

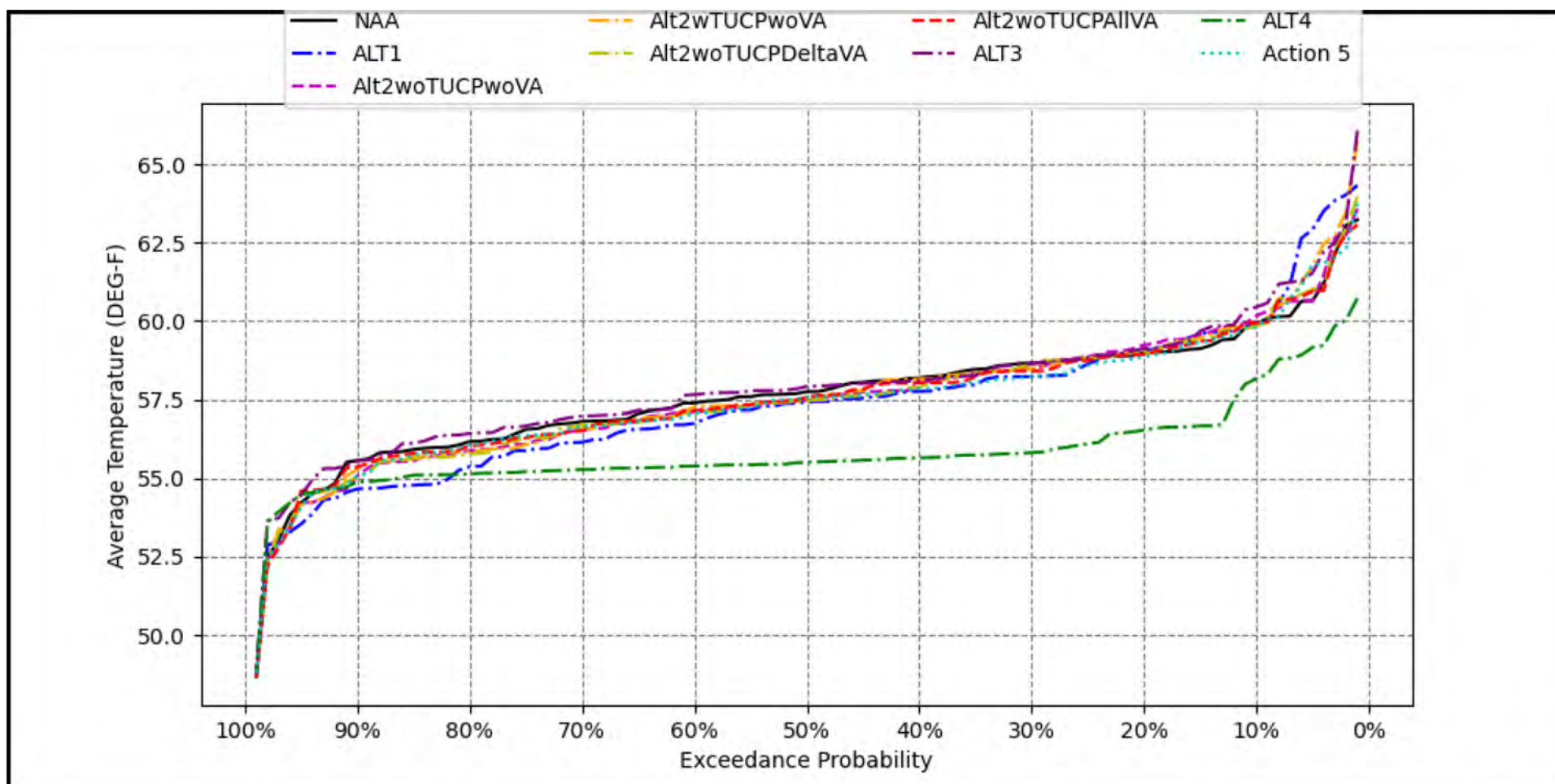
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



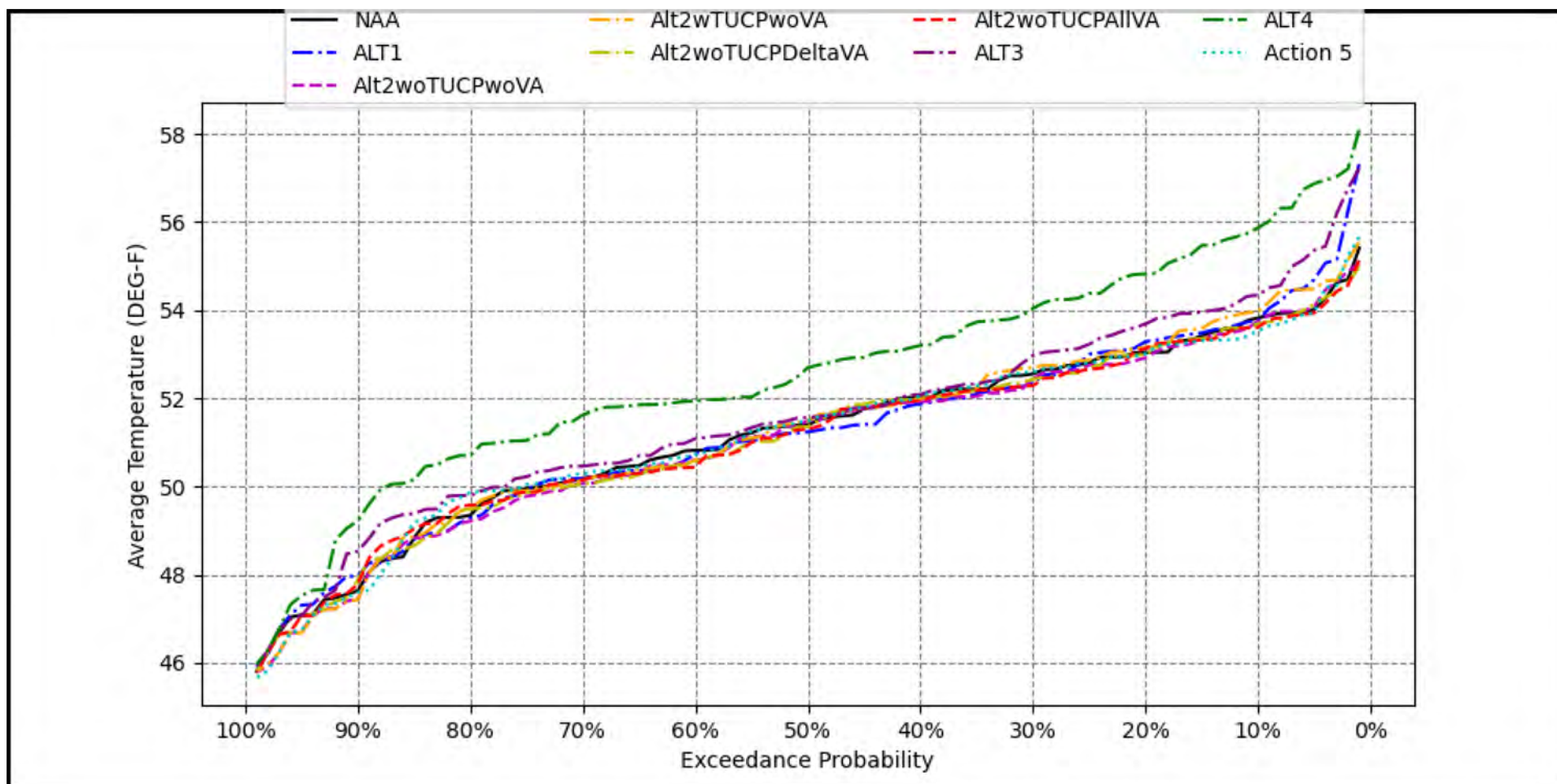
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-1 American River below Nimbus Dam, October Temperature



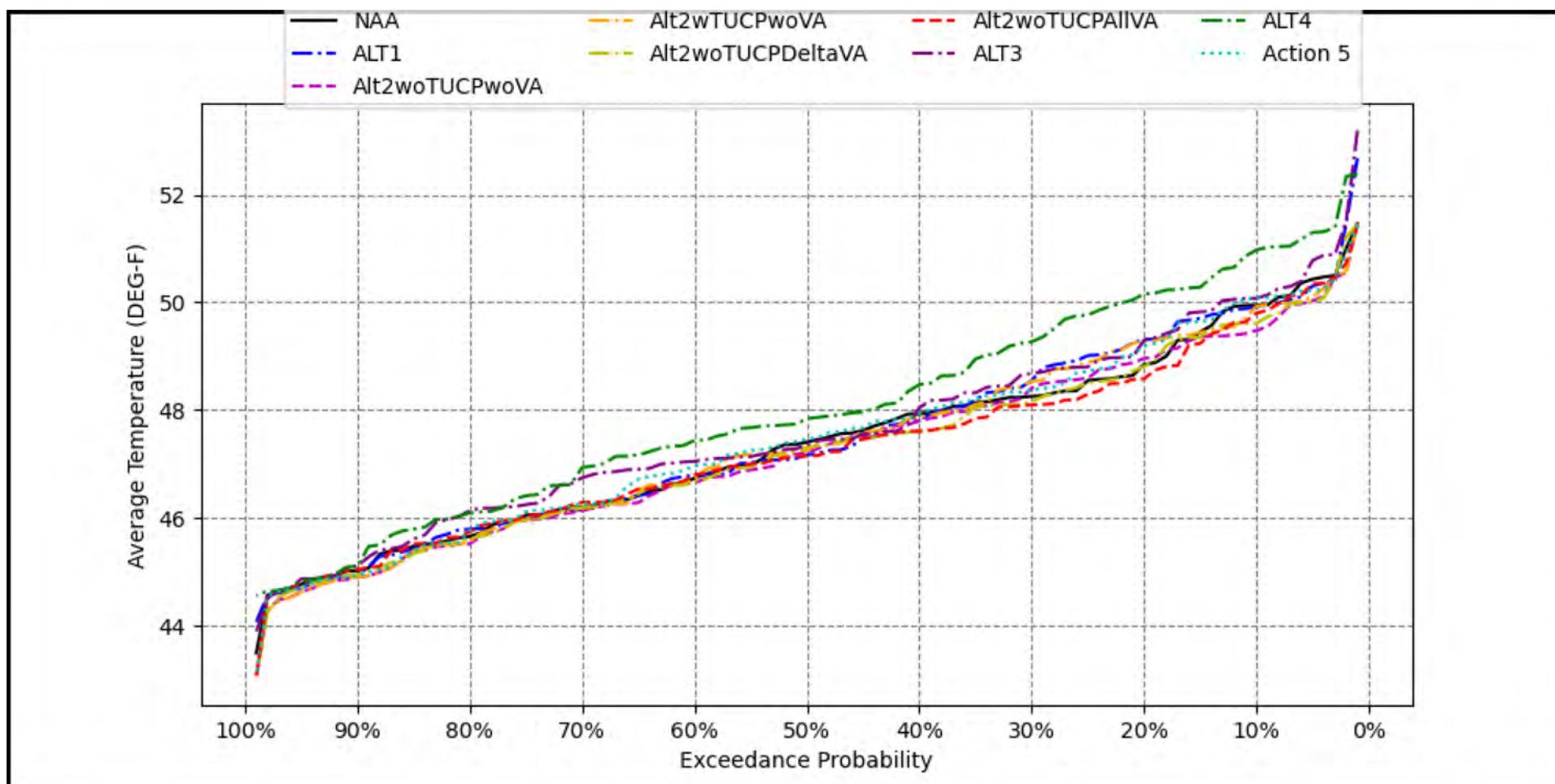
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-2 American River below Nimbus Dam, November Temperature



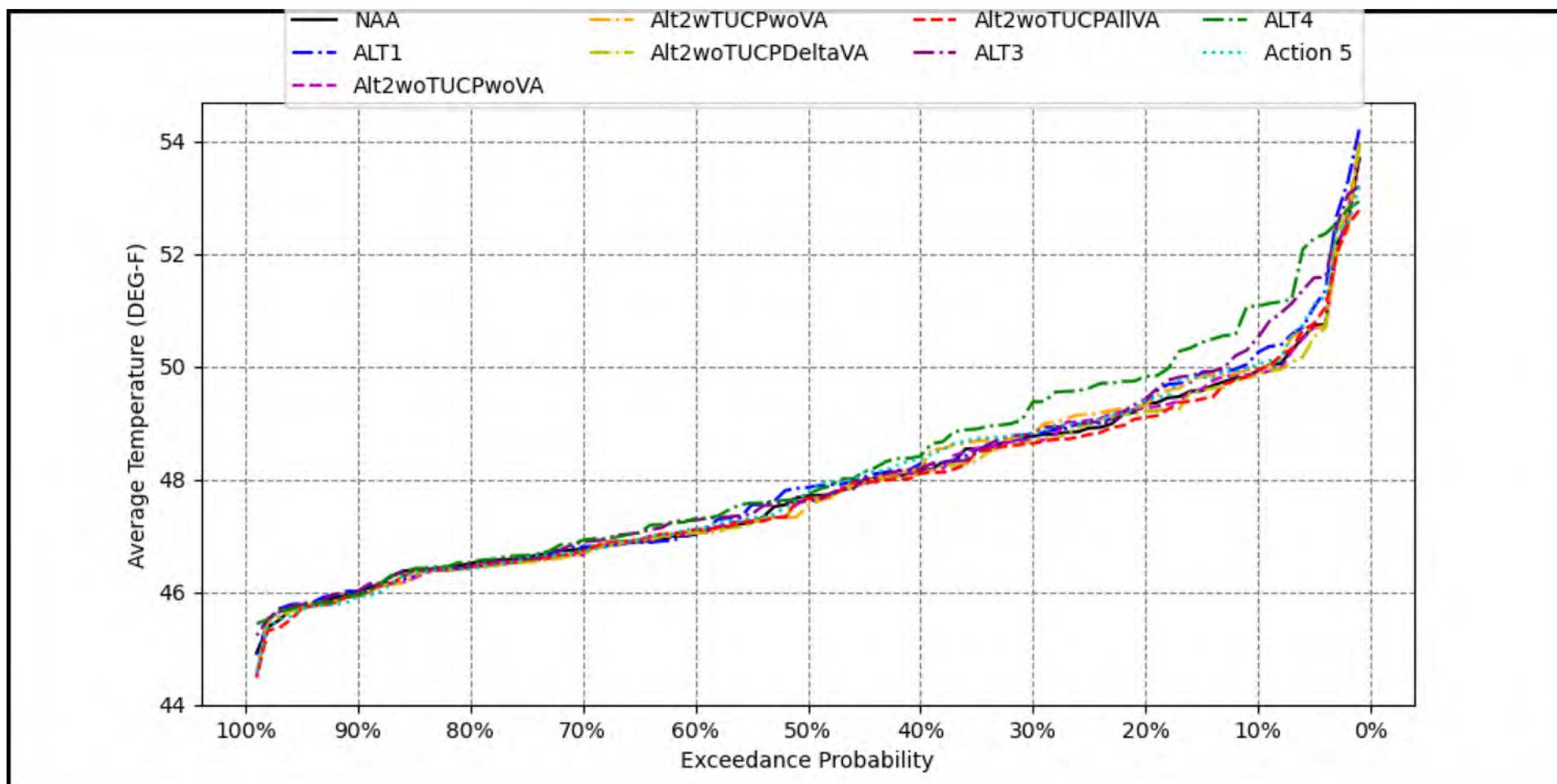
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-3 American River below Nimbus Dam, December Temperature



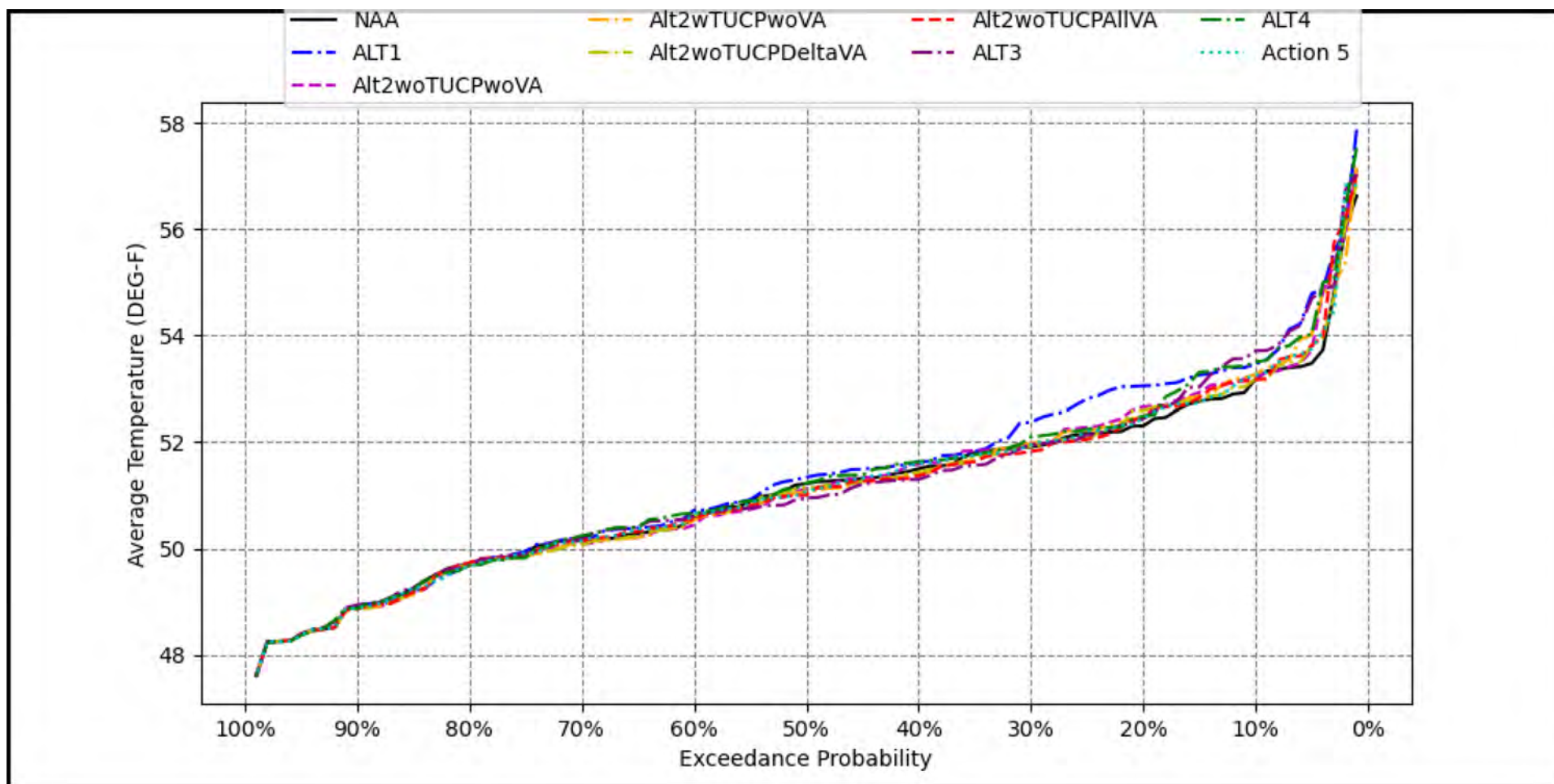
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-4 American River below Nimbus Dam, January Temperature



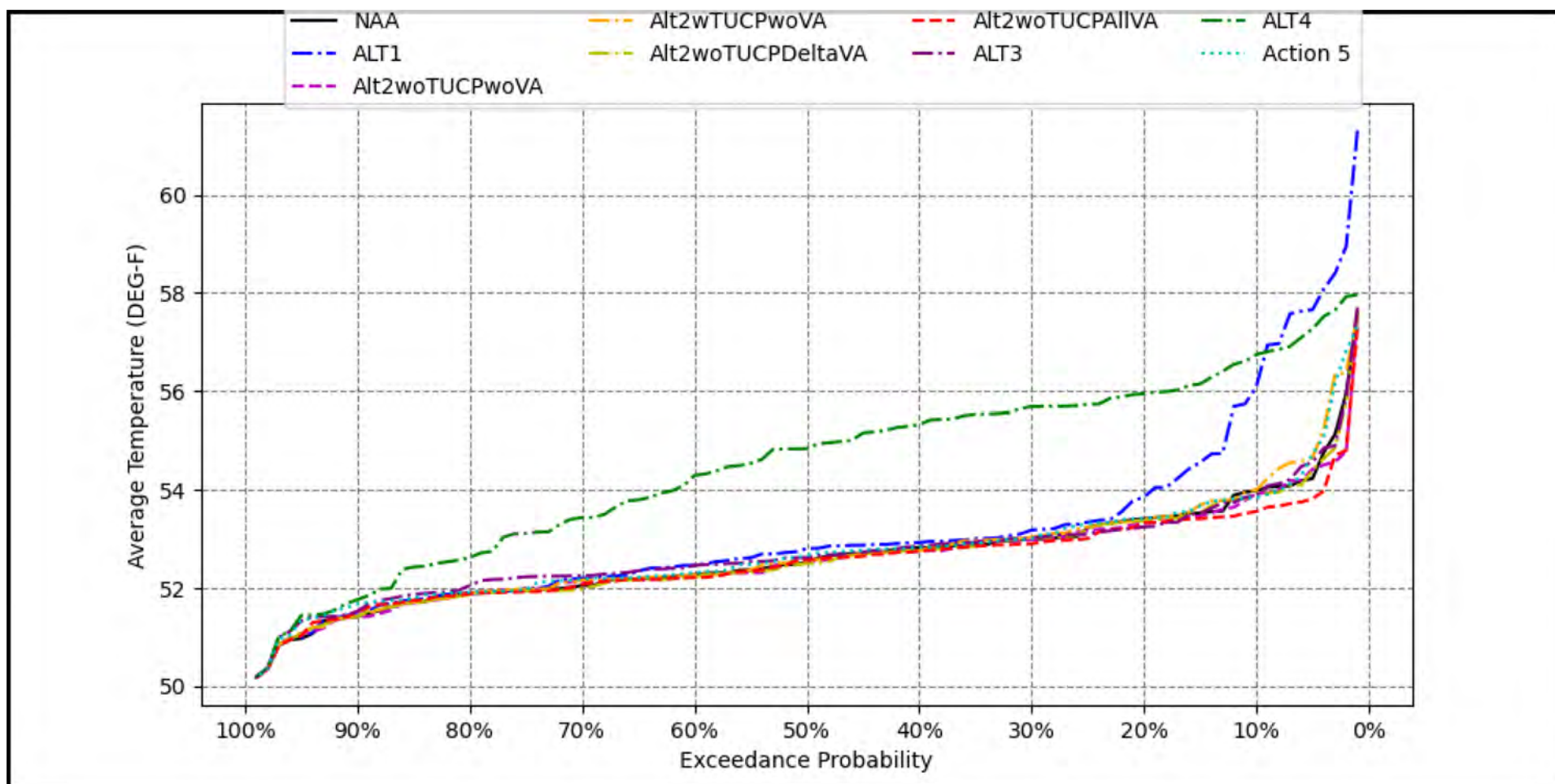
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-5 American River below Nimbus Dam, February Temperature



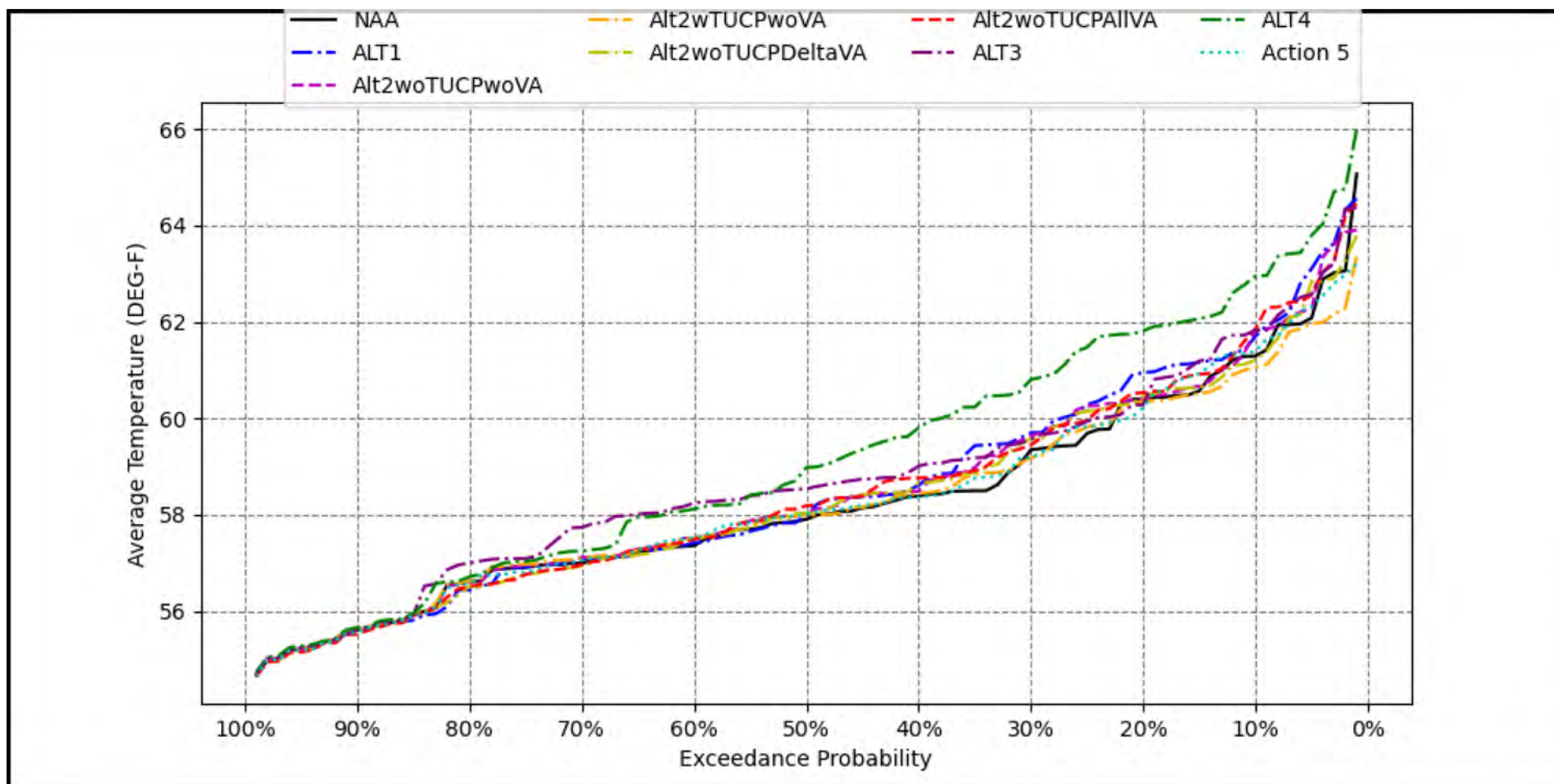
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-6 American River below Nimbus Dam, March Temperature



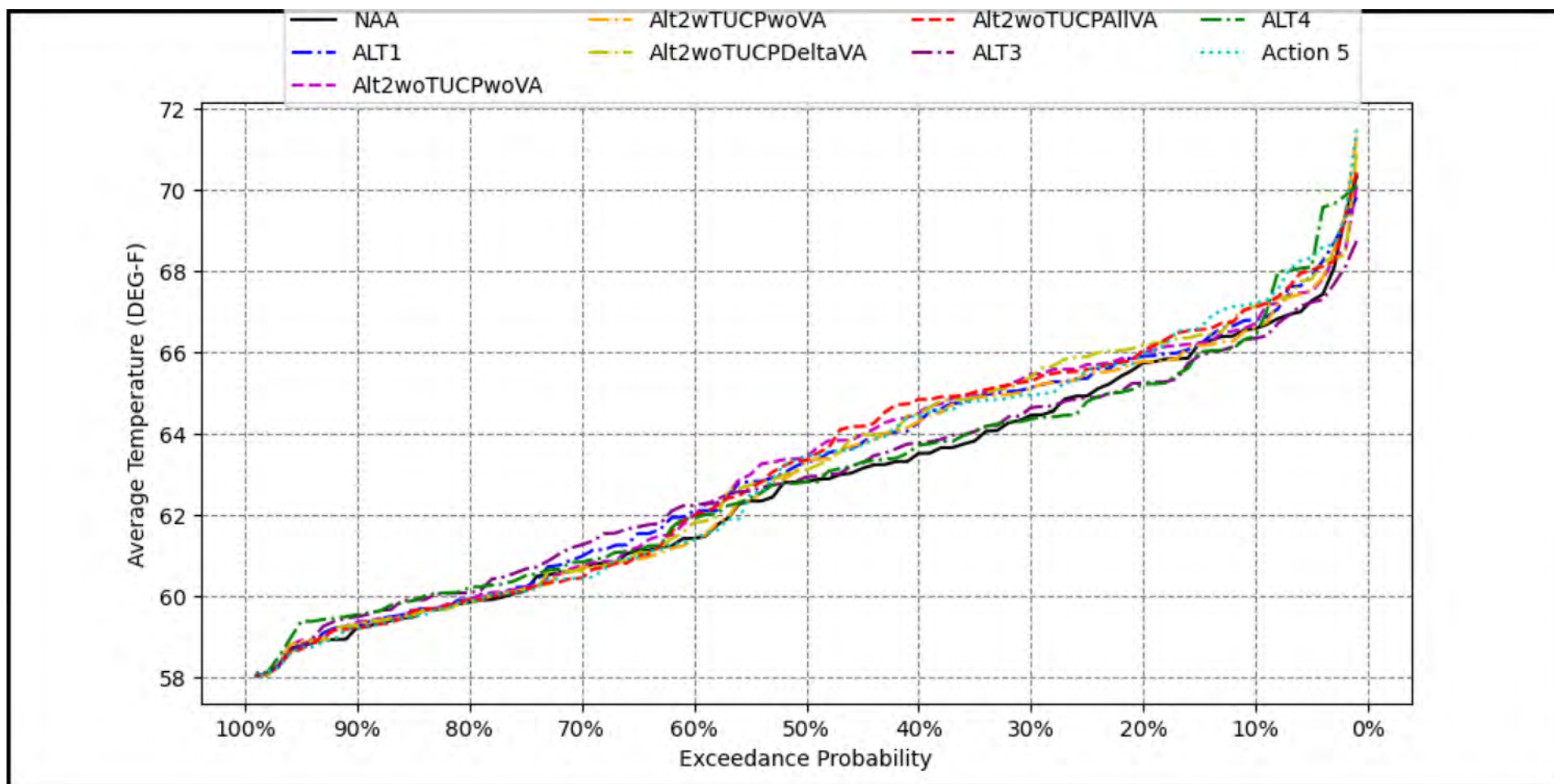
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-7 American River below Nimbus Dam, April Temperature



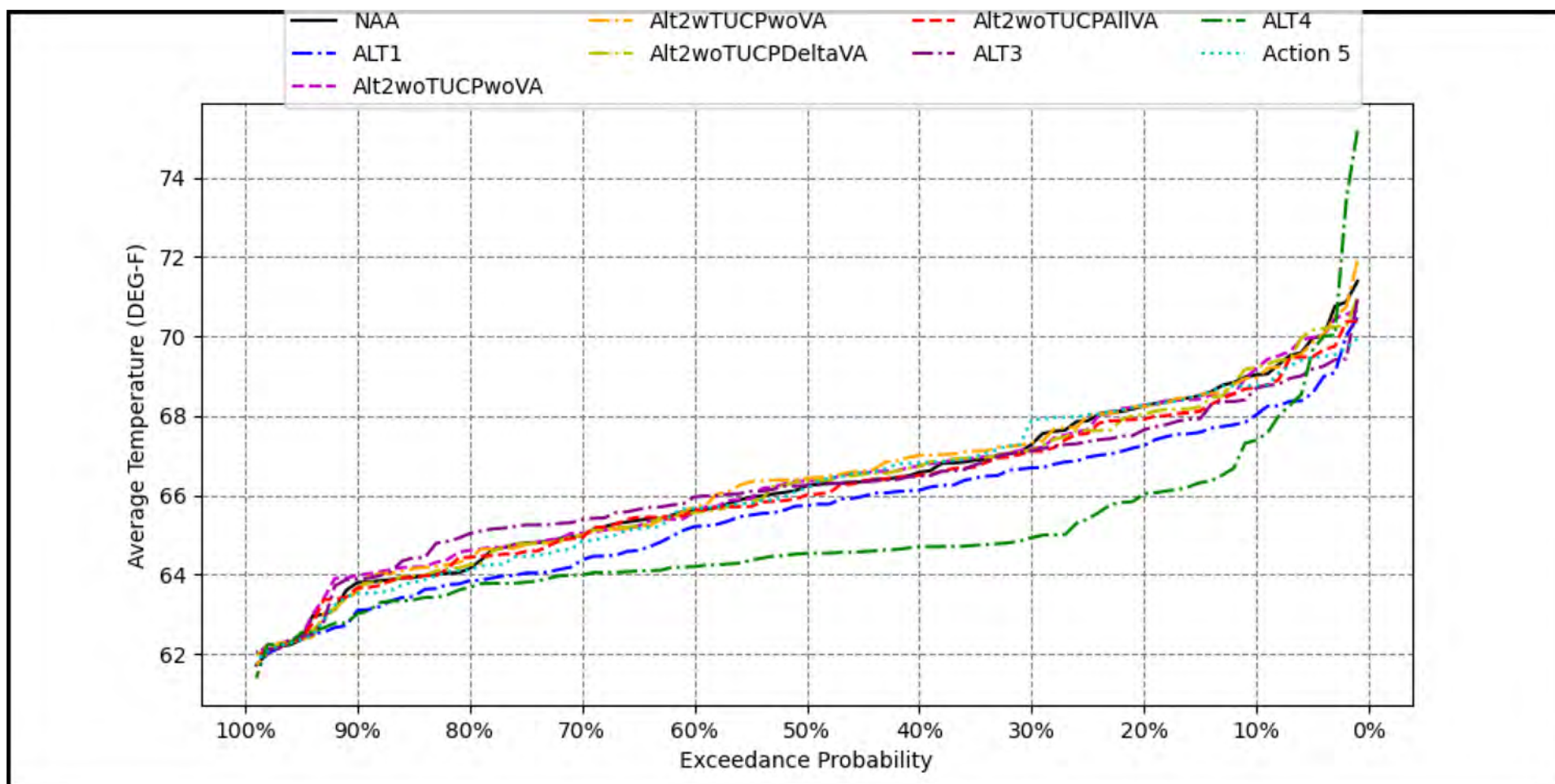
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-8 American River below Nimbus Dam, May Temperature



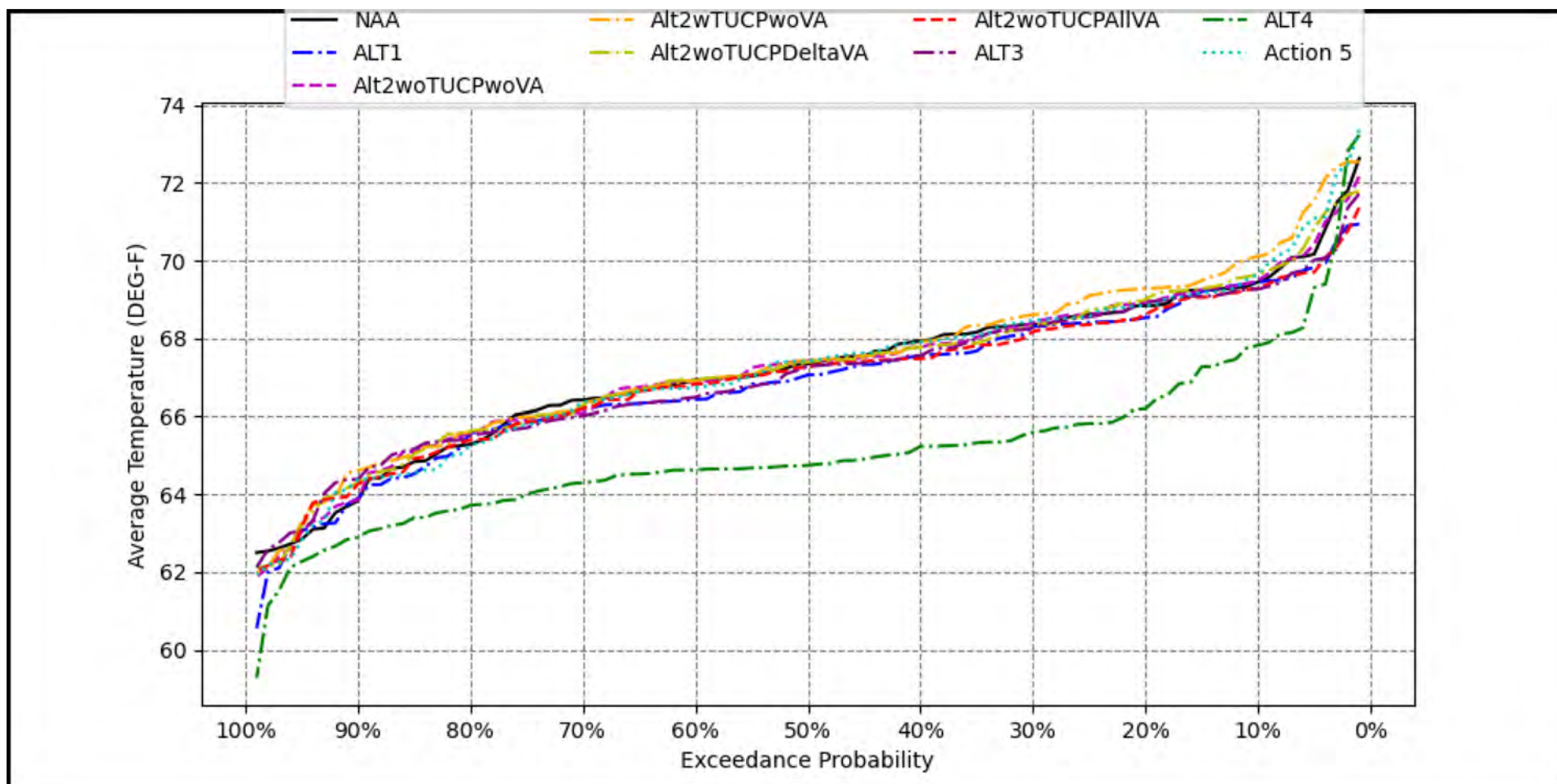
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-9 American River below Nimbus Dam, June Temperature



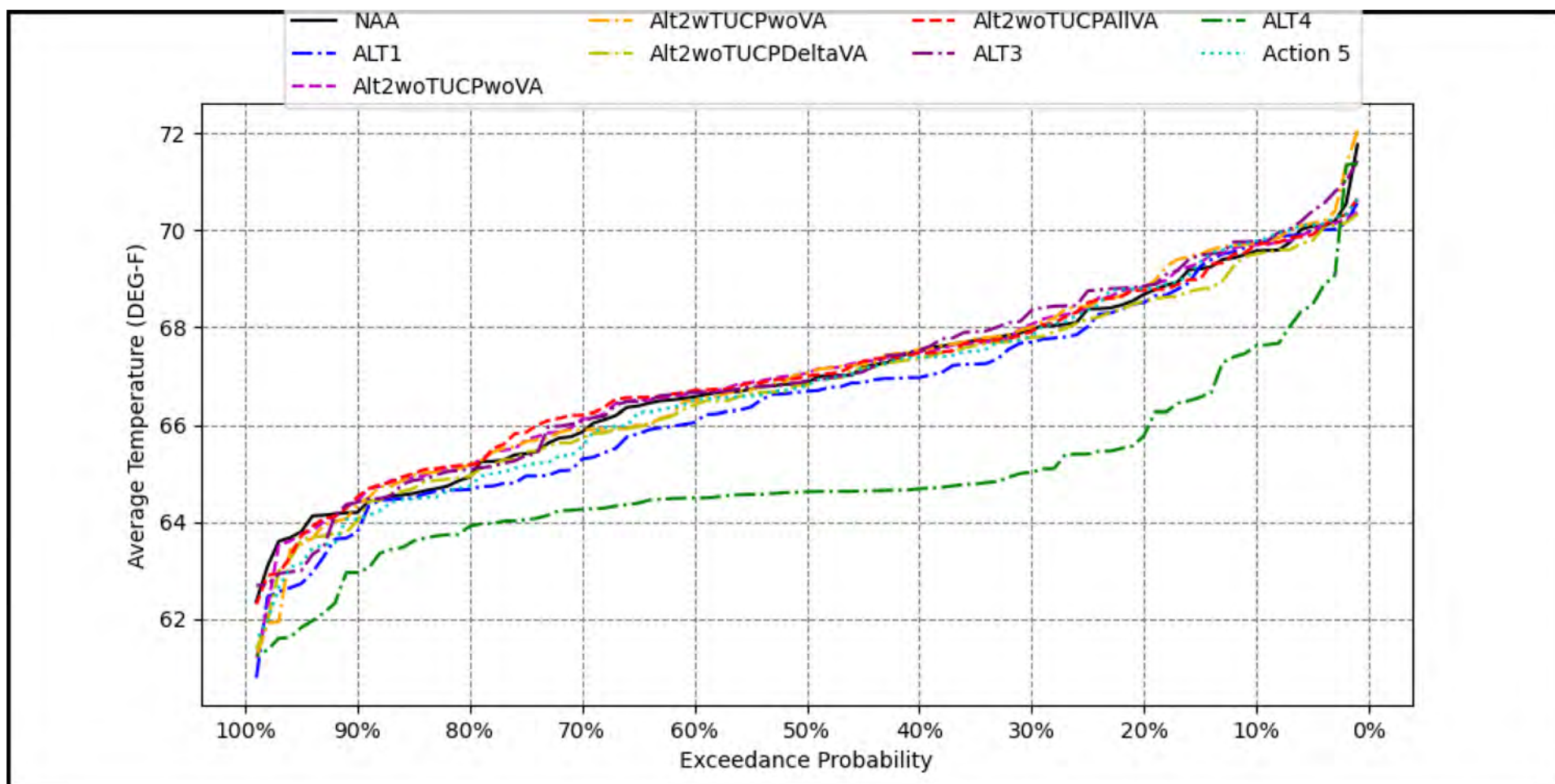
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-10 American River below Nimbus Dam, July Temperature



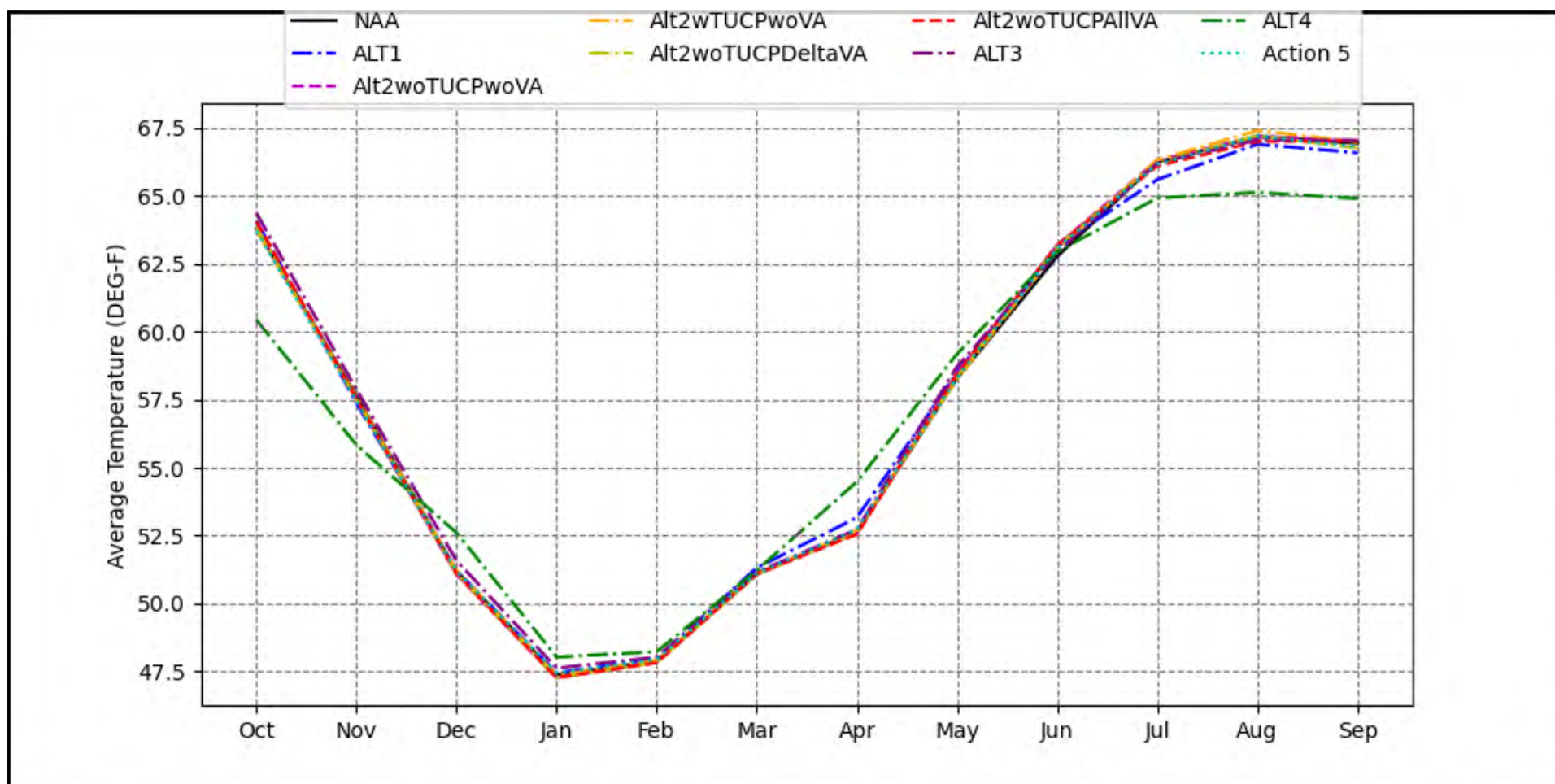
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-11 American River below Nimbus Dam, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-12 American River below Nimbus Dam, September Temperature

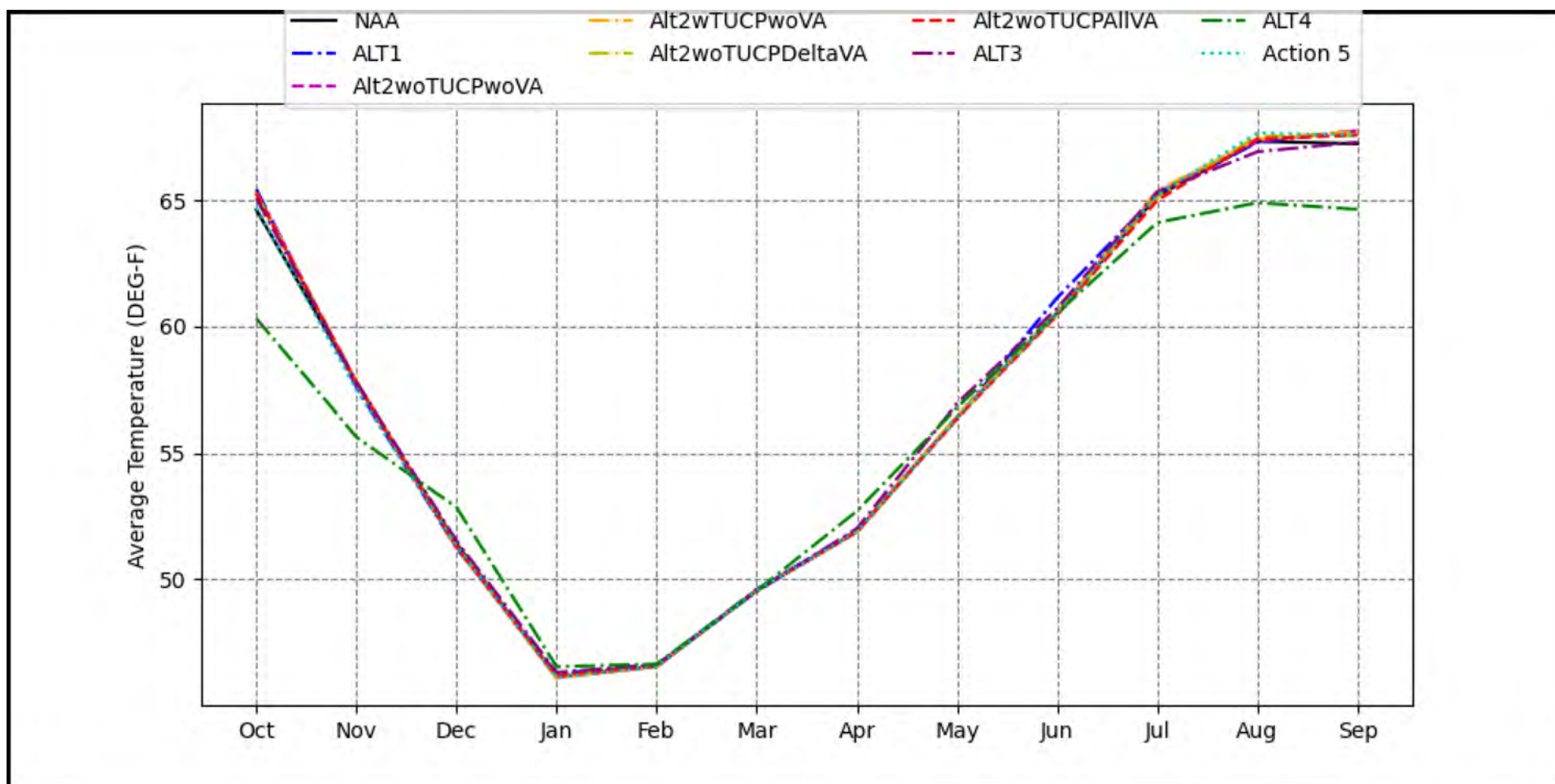


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-13 American River below Nimbus Dam, Long Term Average Temperature (DEG-F)

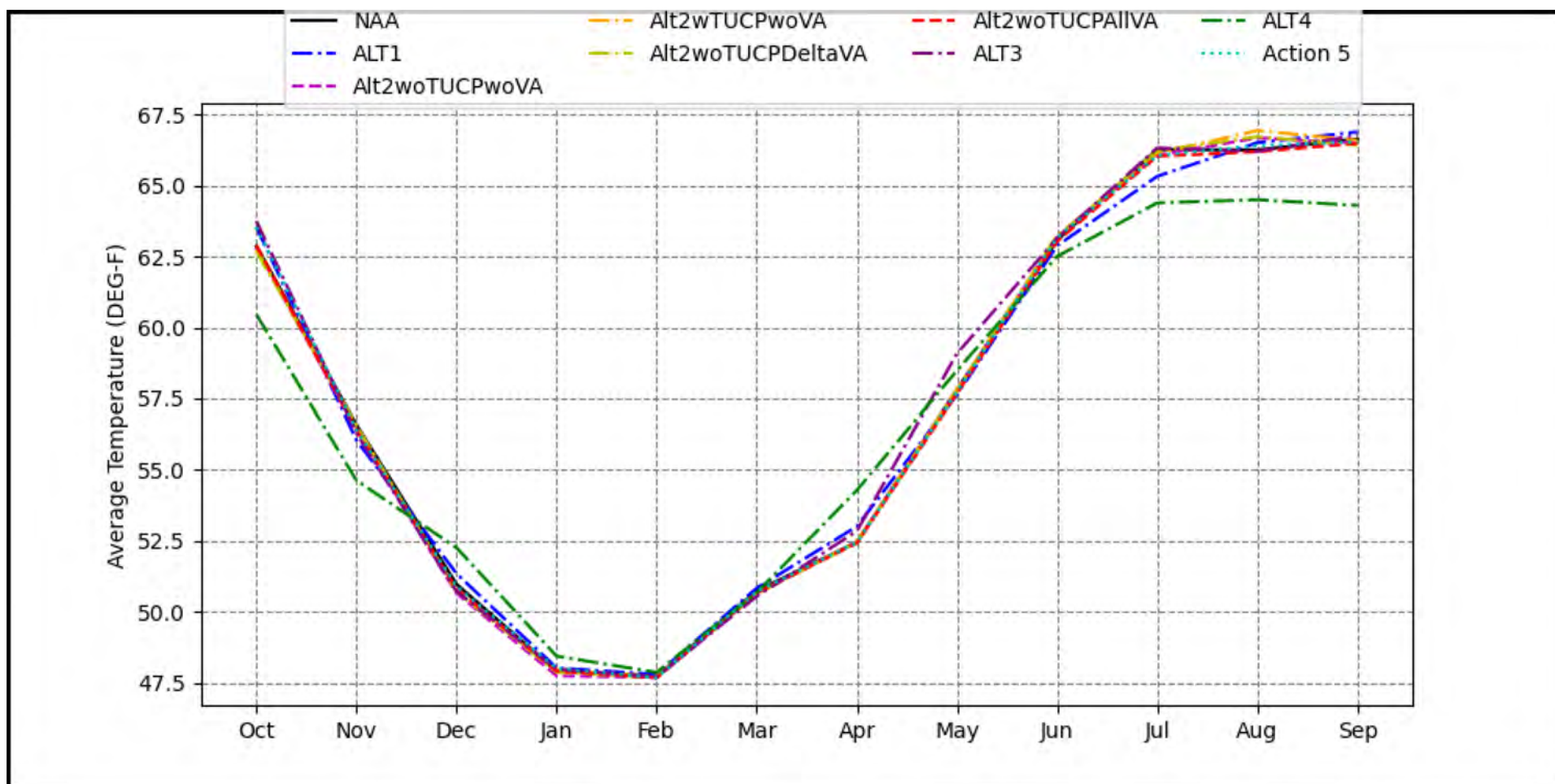


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-14 American River below Nimbus Dam, Wet Year Average Temperature (DEG-F)

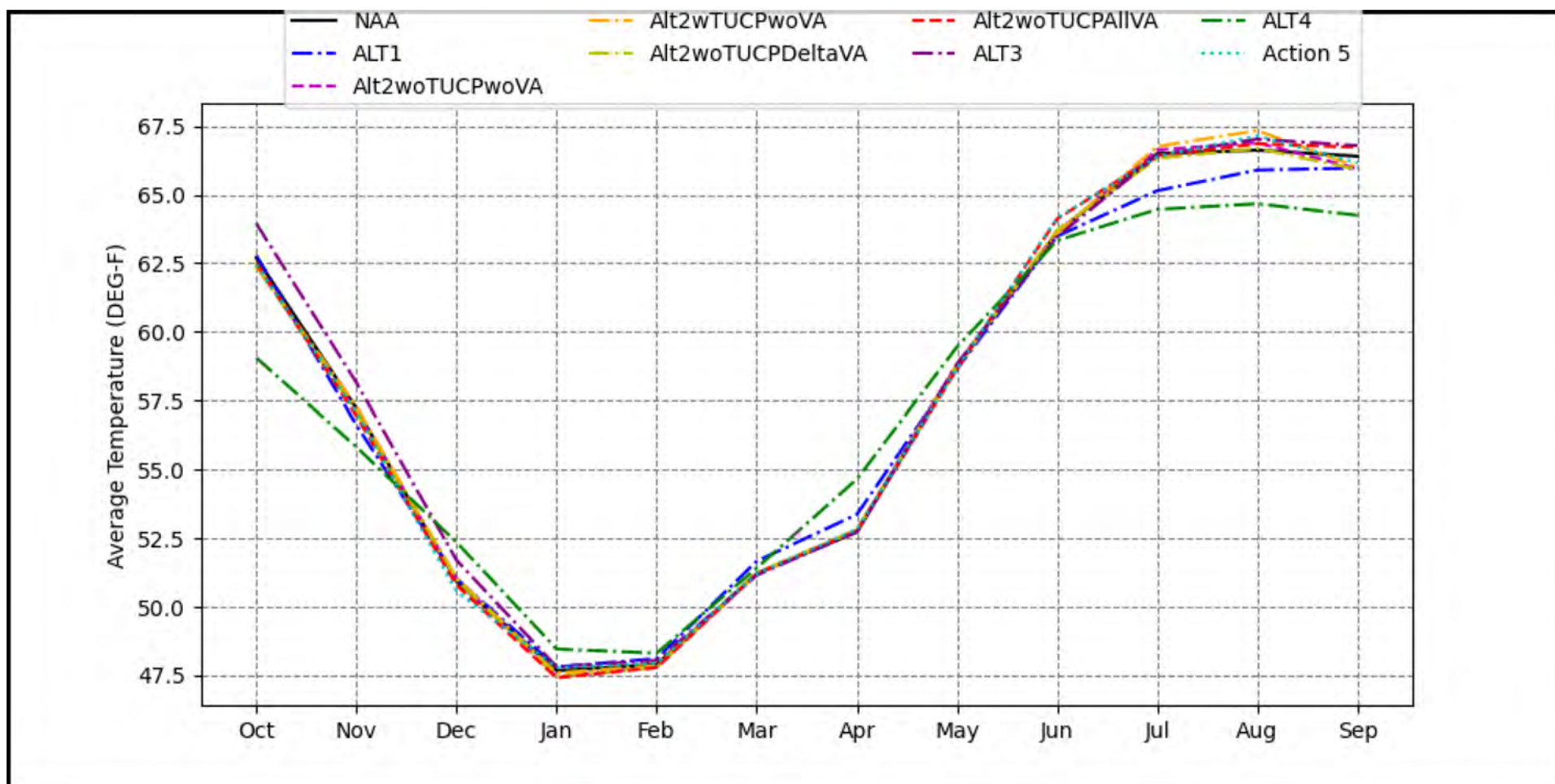


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-15 American River below Nimbus Dam, Above Normal Year Average Temperature (DEG-F)

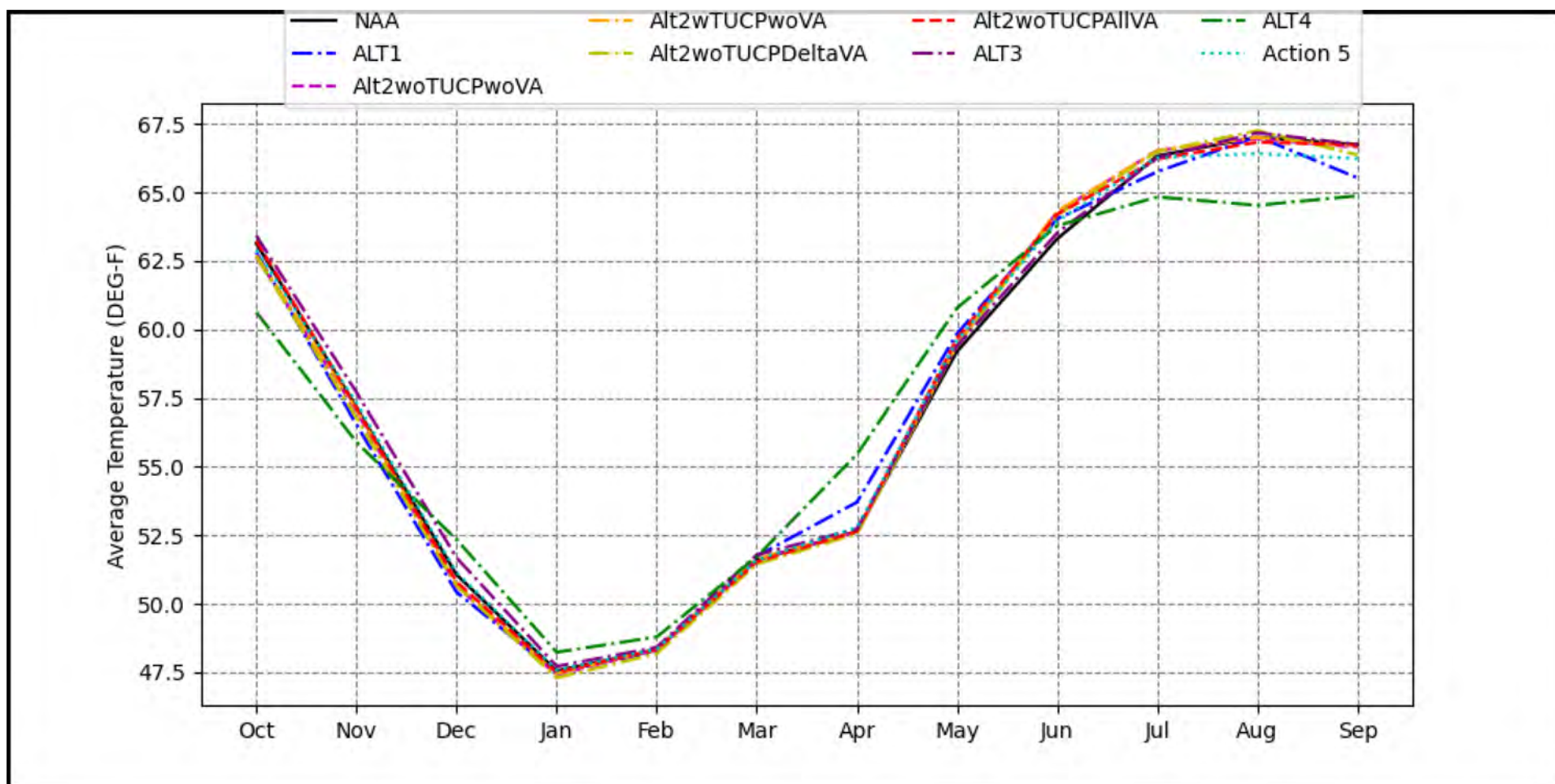


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-16 American River below Nimbus Dam, Below Normal Year Average Temperature (DEG-F)

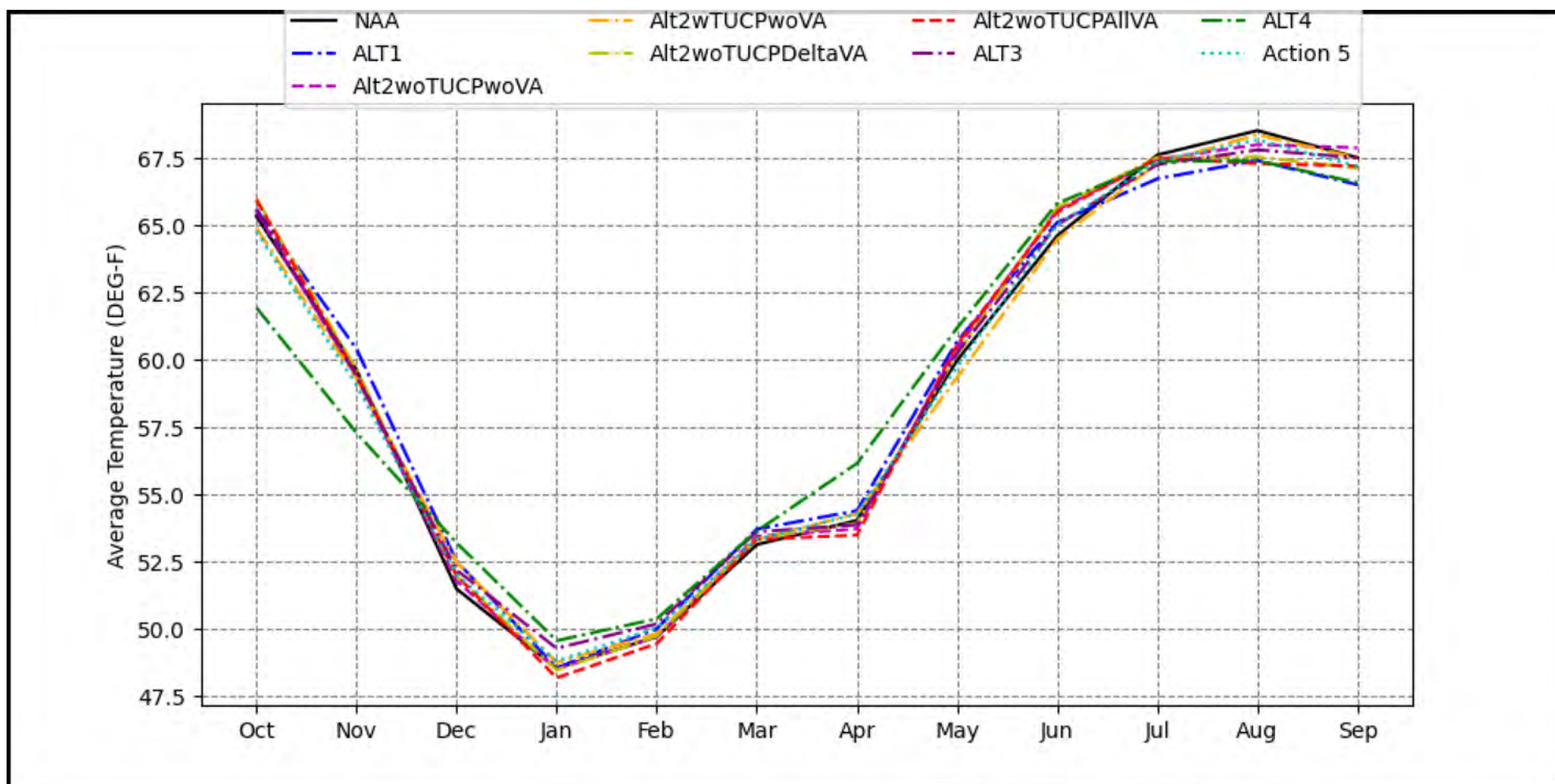


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-17 American River below Nimbus Dam, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-15-18 American River below Nimbus Dam, Critical Year Average Temperature (DEG-F)

F.2.11-16 American River at Watt Avenue

Table F.2.11-16-1 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-1 b. American River at Watt Avenue, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.5	60.1	53.7	50.7	51.7	59.6	65.4	68.5	70.7	71.9	72.5	71.9
20% Exceedance	67.6	59.4	53.2	50.1	50.5	58.5	60.2	65.7	69.7	70.5	72.0	71.4
30% Exceedance	67.0	58.7	52.5	49.4	50.1	56.7	57.2	64.7	69.1	70.2	71.8	71.0
40% Exceedance	66.3	58.3	51.8	48.8	49.7	54.9	56.4	63.6	67.6	69.7	71.4	70.5
50% Exceedance	65.6	57.8	51.2	48.0	48.9	53.7	55.9	63.0	66.9	69.1	70.8	70.1
60% Exceedance	64.5	57.5	50.7	47.5	48.0	52.7	55.6	61.7	66.1	68.7	70.0	69.8
70% Exceedance	64.0	57.0	50.4	46.7	47.7	52.1	55.2	60.4	65.4	67.9	69.7	69.3
80% Exceedance	63.5	56.4	49.6	46.2	47.2	51.2	54.6	59.6	64.2	67.4	69.0	68.5
90% Exceedance	63.1	55.6	48.4	45.4	46.9	50.3	53.3	57.9	63.2	66.8	67.4	67.6
Full Simulation Period Average^a	65.6	57.9	51.3	48.1	49.2	54.5	57.5	63.0	67.0	69.2	70.5	70.0
Wet Years (28%)	66.2	58.0	51.3	46.6	47.3	51.2	54.5	59.6	64.6	68.8	70.5	69.9
Above Normal Years (14%)	64.8	56.6	51.3	48.5	48.7	53.4	57.3	62.3	66.2	68.4	69.7	69.3
Below Normal Years (18%)	64.6	57.4	51.0	48.4	49.2	55.4	58.1	62.8	66.9	68.3	69.1	69.0
Dry Years (24%)	64.8	57.3	50.6	48.4	49.5	56.1	59.2	63.8	68.3	69.0	70.8	70.3
Critical Years (16%)	67.7	60.3	52.5	49.7	52.4	58.1	59.8	68.4	70.1	72.1	71.9	71.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-1 c. American River at Watt Avenue, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	0.2	-0.0	0.1	-0.0	3.0	5.0	2.1	-0.9	-0.8	-0.2	0.4
20% Exceedance	0.4	0.1	0.3	0.4	-0.3	2.5	1.0	0.5	-0.1	-0.9	-0.0	0.5
30% Exceedance	0.5	-0.2	0.0	0.5	-0.3	1.7	-0.6	0.2	0.4	-0.3	0.2	0.6
40% Exceedance	0.4	-0.3	-0.4	0.2	0.2	0.8	-0.8	0.0	-0.6	0.1	0.2	0.8
50% Exceedance	0.3	-0.2	-0.3	-0.1	-0.1	0.5	-0.5	0.2	-0.1	-0.1	0.1	0.6
60% Exceedance	0.1	-0.2	-0.3	0.1	0.1	-0.0	-0.2	0.3	0.0	-0.2	0.1	0.8
70% Exceedance	0.1	-0.3	0.1	-0.1	0.0	0.0	-0.0	-0.0	0.2	-0.6	0.1	0.7
80% Exceedance	0.1	-0.4	-0.1	0.1	0.0	-0.1	-0.2	-0.2	0.2	-0.4	0.1	1.0
90% Exceedance	0.8	-0.3	0.3	-0.0	0.0	0.0	-0.0	-0.0	-0.2	-0.4	-0.3	0.8
Full Simulation Period Average^a	0.4	-0.1	0.0	0.1	0.1	1.0	0.7	0.5	-0.1	-0.4	0.0	0.6
Wet Years (28%)	0.7	-0.1	-0.2	0.1	0.0	0.1	0.2	0.0	0.2	0.3	0.3	0.8
Above Normal Years (14%)	0.7	-0.2	0.3	0.1	-0.0	0.7	1.0	-0.1	-0.4	-0.5	0.4	0.6
Below Normal Years (18%)	0.3	-0.2	0.0	0.2	0.1	1.6	1.0	0.1	-1.0	-0.9	-0.6	0.2
Dry Years (24%)	-0.1	-0.4	-0.5	0.1	-0.3	1.7	1.9	0.4	0.5	-0.7	0.4	1.0
Critical Years (16%)	0.3	0.6	0.8	0.3	0.6	1.3	-0.7	2.1	-0.3	-0.8	-0.6	0.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-2 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-2 b. American River at Watt Avenue, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.2	60.1	53.2	50.7	51.6	57.0	60.5	66.3	72.1	73.0	72.5	71.7
20% Exceedance	67.3	59.4	52.8	49.6	50.7	56.2	59.1	65.1	70.2	71.7	72.0	71.3
30% Exceedance	66.7	58.8	52.4	49.1	50.3	55.6	57.5	64.5	69.3	70.6	71.8	70.5
40% Exceedance	65.7	58.3	51.8	48.4	49.7	54.3	56.5	63.8	68.8	70.0	71.5	70.1
50% Exceedance	65.2	58.0	51.5	48.0	48.8	53.1	56.2	62.7	67.4	69.2	70.6	69.7
60% Exceedance	64.5	57.5	50.8	47.4	48.0	52.6	55.7	61.9	66.5	68.9	70.0	69.2
70% Exceedance	64.0	57.1	50.3	46.6	47.7	52.0	55.2	60.4	65.3	68.4	69.8	68.7
80% Exceedance	63.4	56.4	49.5	46.0	47.1	51.2	54.7	59.8	64.2	68.0	69.2	67.6
90% Exceedance	62.7	55.6	48.3	45.4	46.8	50.2	53.3	57.9	63.4	67.5	67.1	66.9
Full Simulation Period Average^a	65.3	57.9	51.1	47.9	49.2	53.6	56.6	62.5	67.5	69.8	70.5	69.5
Wet Years (28%)	66.1	58.0	51.3	46.5	47.3	51.1	54.4	59.5	64.4	68.7	70.2	69.5
Above Normal Years (14%)	64.0	56.7	50.8	48.2	48.7	52.6	56.3	62.3	66.7	68.8	69.6	68.5
Below Normal Years (18%)	64.1	57.6	51.1	48.1	49.0	53.9	57.3	62.7	68.0	69.3	69.9	68.4
Dry Years (24%)	64.6	57.6	50.7	48.3	49.9	54.6	57.3	63.2	68.7	69.7	70.3	69.4
Critical Years (16%)	67.5	59.5	51.8	49.5	52.0	57.1	58.7	66.8	71.2	73.1	72.8	71.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-2 c. American River at Watt Avenue, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.3	-0.5	0.0	-0.2	0.3	0.1	-0.0	0.5	0.3	-0.2	0.3
20% Exceedance	0.0	0.1	-0.0	-0.0	-0.1	0.2	-0.1	-0.1	0.4	0.2	-0.1	0.4
30% Exceedance	0.1	-0.1	-0.0	0.2	-0.0	0.6	-0.3	-0.0	0.6	0.1	0.2	0.1
40% Exceedance	-0.2	-0.3	-0.3	-0.1	0.1	0.2	-0.7	0.2	0.5	0.3	0.3	0.3
50% Exceedance	-0.0	-0.1	-0.0	-0.1	-0.1	-0.0	-0.2	-0.1	0.4	0.0	-0.0	0.1
60% Exceedance	0.1	-0.2	-0.2	0.1	0.1	-0.1	-0.1	0.5	0.4	-0.0	0.1	0.3
70% Exceedance	0.1	-0.2	0.0	-0.2	0.0	-0.0	-0.0	0.0	0.1	-0.1	0.2	0.1
80% Exceedance	0.0	-0.4	-0.2	-0.2	-0.1	-0.0	-0.1	0.0	0.1	0.1	0.3	0.1
90% Exceedance	0.4	-0.3	0.2	-0.0	-0.1	0.0	0.0	0.0	0.0	0.2	-0.5	0.1
Full Simulation Period Average^a	0.1	-0.1	-0.1	-0.1	0.0	0.1	-0.2	0.0	0.3	0.1	0.1	0.1
Wet Years (28%)	0.6	-0.0	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	-0.0	0.4
Above Normal Years (14%)	-0.1	-0.1	-0.3	-0.2	-0.0	-0.1	0.0	-0.1	0.1	-0.1	0.3	-0.2
Below Normal Years (18%)	-0.1	-0.1	0.1	-0.1	-0.1	0.1	0.2	-0.1	0.0	0.1	0.2	-0.4
Dry Years (24%)	-0.3	-0.1	-0.3	-0.0	0.0	0.3	0.0	-0.1	0.8	0.0	-0.1	0.0
Critical Years (16%)	0.2	-0.2	0.1	0.1	0.3	0.3	-1.8	0.6	0.8	0.2	0.3	0.5

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-3 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-3 b. American River at Watt Avenue, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	67.9	59.9	54.0	50.7	51.9	57.1	60.9	66.0	71.8	72.6	72.7	71.7
20% Exceedance	67.2	59.4	53.0	49.8	50.8	56.3	59.7	65.1	70.2	71.7	72.0	71.3
30% Exceedance	66.4	58.9	52.6	49.4	50.4	55.4	58.3	64.5	69.2	70.6	71.8	70.4
40% Exceedance	65.7	58.5	52.1	48.6	49.7	54.3	57.0	63.5	68.5	70.1	71.5	69.8
50% Exceedance	65.3	58.0	51.6	47.9	48.7	53.2	56.3	62.6	67.4	69.4	70.5	69.6
60% Exceedance	64.6	57.5	50.7	47.5	48.0	52.7	55.7	61.4	66.3	68.8	70.0	69.0
70% Exceedance	63.8	57.1	50.4	46.6	47.7	52.0	55.2	60.4	65.2	68.3	69.8	68.6
80% Exceedance	63.3	56.4	49.6	46.0	47.1	51.2	54.7	59.8	64.0	67.9	69.2	67.6
90% Exceedance	62.6	55.6	48.3	45.4	46.8	50.2	53.3	57.9	63.4	67.4	67.9	67.1
Full Simulation Period Average^a	65.2	57.9	51.3	48.0	49.2	53.7	57.0	62.4	67.4	69.7	70.6	69.5
Wet Years (28%)	66.1	58.1	51.4	46.5	47.3	51.1	54.4	59.6	64.4	68.7	70.3	69.5
Above Normal Years (14%)	64.0	56.8	50.8	48.4	48.7	52.6	56.3	62.3	66.7	68.8	69.8	68.6
Below Normal Years (18%)	64.1	57.7	51.1	48.2	49.0	53.9	57.4	62.7	68.0	69.4	70.2	68.5
Dry Years (24%)	64.6	57.6	50.8	48.3	49.9	54.7	57.4	63.2	68.7	69.7	70.4	69.4
Critical Years (16%)	67.1	59.4	52.4	49.7	52.1	57.3	61.0	66.0	70.6	72.5	72.6	71.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-3 c. American River at Watt Avenue, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-0.1	0.1	0.2	0.1	0.2	0.5	0.5	-0.4	0.2	-0.0	-0.1	0.2
20% Exceedance	-0.1	0.1	0.1	0.2	0.0	0.3	0.5	-0.1	0.4	0.3	-0.0	0.4
30% Exceedance	-0.1	-0.0	0.1	0.5	0.0	0.5	0.5	-0.0	0.5	0.2	0.2	0.0
40% Exceedance	-0.2	-0.1	-0.1	0.0	0.1	0.2	-0.2	-0.1	0.2	0.4	0.4	0.1
50% Exceedance	0.1	-0.0	0.0	-0.2	-0.3	0.0	-0.0	-0.2	0.4	0.2	-0.2	0.1
60% Exceedance	0.2	-0.2	-0.3	0.1	0.1	-0.1	-0.1	0.1	0.3	-0.1	0.0	0.0
70% Exceedance	-0.1	-0.2	0.1	-0.2	0.0	-0.0	-0.0	0.0	-0.0	-0.2	0.2	-0.0
80% Exceedance	-0.1	-0.4	-0.0	-0.2	-0.1	-0.0	-0.1	0.0	-0.0	0.1	0.3	0.1
90% Exceedance	0.3	-0.3	0.2	-0.0	-0.1	-0.0	-0.0	0.0	0.0	0.2	0.3	0.2
Full Simulation Period Average^a	0.0	-0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.3	0.0	0.2	0.1
Wet Years (28%)	0.6	0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.2	0.0	0.4
Above Normal Years (14%)	-0.1	-0.0	-0.2	0.0	-0.0	-0.1	0.0	-0.0	0.1	-0.0	0.5	-0.1
Below Normal Years (18%)	-0.2	0.1	0.1	-0.1	-0.1	0.1	0.2	-0.1	0.0	0.3	0.5	-0.3
Dry Years (24%)	-0.3	-0.0	-0.3	-0.0	0.0	0.3	0.0	-0.1	0.8	0.0	-0.1	0.0
Critical Years (16%)	-0.3	-0.2	0.7	0.3	0.3	0.5	0.5	-0.3	0.2	-0.4	0.1	0.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-4 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-4 b. American River at Watt Avenue, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.4	59.8	53.5	50.5	51.6	56.9	60.6	66.2	72.1	73.3	72.4	71.6
20% Exceedance	67.4	59.3	52.8	49.7	50.6	56.2	59.3	65.3	70.0	71.3	72.0	70.9
30% Exceedance	66.5	58.8	52.2	48.8	50.4	55.1	57.7	64.5	69.4	70.4	71.6	70.4
40% Exceedance	65.8	58.4	52.0	48.3	49.8	54.3	56.5	63.8	68.7	69.7	71.4	70.0
50% Exceedance	65.2	58.1	51.6	48.0	48.9	53.2	56.2	62.7	67.3	69.3	70.9	69.5
60% Exceedance	64.6	57.5	50.8	47.4	47.9	52.7	55.7	61.8	66.4	68.9	70.2	69.1
70% Exceedance	63.9	57.0	50.2	46.7	47.7	52.0	55.2	60.4	65.2	68.3	69.8	68.3
80% Exceedance	63.3	56.3	49.6	46.0	47.1	51.3	54.6	59.6	64.1	67.9	69.3	67.5
90% Exceedance	62.7	55.5	48.3	45.4	46.9	50.3	53.3	57.9	63.4	67.1	67.6	66.7
Full Simulation Period Average^a	65.3	57.9	51.2	47.9	49.1	53.6	56.7	62.5	67.4	69.7	70.5	69.3
Wet Years (28%)	66.0	58.0	51.3	46.5	47.3	51.1	54.4	59.5	64.3	68.5	70.4	69.4
Above Normal Years (14%)	63.9	56.8	50.8	48.4	48.7	52.6	56.3	62.3	66.7	68.9	69.7	68.4
Below Normal Years (18%)	64.1	57.6	51.0	48.1	49.0	53.9	57.4	62.7	68.0	69.1	69.6	68.4
Dry Years (24%)	64.6	57.4	50.8	48.2	49.8	54.5	57.4	63.3	68.5	69.7	70.6	69.2
Critical Years (16%)	67.9	59.7	51.9	49.5	52.0	57.0	59.3	66.6	71.2	73.1	72.4	70.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-4 c. American River at Watt Avenue, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.4	-0.0	-0.3	-0.2	-0.2	0.3	0.1	-0.1	0.4	0.6	-0.4	0.1
20% Exceedance	0.2	0.0	-0.0	0.0	-0.2	0.2	0.1	0.1	0.2	-0.2	-0.0	-0.0
30% Exceedance	-0.0	-0.1	-0.2	-0.1	0.0	0.1	-0.2	-0.0	0.6	-0.0	0.0	-0.0
40% Exceedance	-0.1	-0.2	-0.2	-0.2	0.2	0.2	-0.7	0.2	0.5	0.1	0.3	0.2
50% Exceedance	-0.1	0.1	0.0	-0.1	-0.0	-0.0	-0.1	-0.0	0.3	0.1	0.2	-0.0
60% Exceedance	0.2	-0.2	-0.2	0.1	0.0	-0.1	-0.0	0.5	0.3	0.0	0.3	0.2
70% Exceedance	-0.0	-0.3	-0.1	-0.1	-0.0	-0.1	-0.1	-0.0	-0.0	-0.2	0.2	-0.3
80% Exceedance	-0.1	-0.4	-0.0	-0.2	-0.1	-0.0	-0.1	-0.1	0.0	0.0	0.4	-0.0
90% Exceedance	0.4	-0.3	0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	0.0	-0.2
Full Simulation Period Average^a	0.1	-0.1	-0.1	-0.0	0.0	0.1	-0.1	0.0	0.3	0.0	0.1	-0.1
Wet Years (28%)	0.5	-0.0	-0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	0.1	0.3
Above Normal Years (14%)	-0.1	-0.0	-0.2	-0.0	-0.0	-0.1	0.0	-0.1	0.1	0.0	0.4	-0.2
Below Normal Years (18%)	-0.1	-0.1	0.0	-0.1	-0.1	0.1	0.3	0.0	0.1	-0.0	-0.1	-0.4
Dry Years (24%)	-0.3	-0.3	-0.3	-0.2	-0.1	0.1	0.0	-0.0	0.6	-0.0	0.1	-0.2
Critical Years (16%)	0.5	0.0	0.3	0.1	0.3	0.2	-1.2	0.4	0.8	0.2	-0.1	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-5 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-5 b. American River at Watt Avenue, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.5	59.9	53.5	50.5	51.7	56.7	59.8	66.1	71.8	72.9	72.5	71.6
20% Exceedance	67.5	59.3	52.9	49.5	50.7	55.9	58.9	65.3	70.0	71.3	71.9	71.2
30% Exceedance	66.8	58.8	52.2	48.7	50.3	55.2	57.5	64.4	69.6	70.2	71.6	70.7
40% Exceedance	66.1	58.4	51.9	48.3	49.7	54.3	56.4	63.8	68.7	69.7	71.2	70.0
50% Exceedance	65.4	58.1	51.4	48.0	48.6	53.1	56.1	63.0	67.6	69.2	70.6	69.7
60% Exceedance	64.8	57.5	50.8	47.4	48.0	52.7	55.6	61.6	66.2	68.7	70.1	69.3
70% Exceedance	64.3	57.1	50.2	46.8	47.7	52.1	55.2	60.4	65.1	68.4	69.7	68.8
80% Exceedance	63.8	56.6	49.8	46.3	47.1	51.2	54.7	59.7	64.1	67.9	69.0	67.8
90% Exceedance	63.0	55.8	48.4	45.4	46.9	50.2	53.3	57.9	63.3	67.3	67.7	66.8
Full Simulation Period Average^a	65.5	57.9	51.2	48.0	49.1	53.5	56.4	62.5	67.4	69.6	70.4	69.5
Wet Years (28%)	66.1	58.0	51.3	46.6	47.3	51.1	54.3	59.5	64.3	68.5	70.3	69.4
Above Normal Years (14%)	64.1	56.6	50.9	48.4	48.7	52.6	56.2	62.2	66.6	68.8	69.3	68.5
Below Normal Years (18%)	64.2	57.5	50.9	48.1	49.0	53.8	57.2	62.7	68.2	69.1	69.9	69.0
Dry Years (24%)	65.1	57.7	50.9	48.4	49.9	54.4	57.2	63.4	68.5	69.6	70.3	69.4
Critical Years (16%)	67.7	59.5	52.0	49.3	51.8	56.8	58.3	66.5	71.1	73.1	72.3	70.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-5 c. American River at Watt Avenue, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	0.0	-0.2	-0.2	-0.1	0.1	-0.7	-0.2	0.2	0.2	-0.3	0.2
20% Exceedance	0.2	-0.1	0.0	-0.2	-0.1	-0.1	-0.3	0.1	0.2	-0.1	-0.1	0.3
30% Exceedance	0.3	-0.1	-0.2	-0.2	-0.0	0.2	-0.3	-0.2	0.8	-0.3	0.0	0.3
40% Exceedance	0.2	-0.2	-0.2	-0.3	0.1	0.2	-0.8	0.2	0.5	0.1	0.1	0.2
50% Exceedance	0.1	0.0	-0.2	-0.1	-0.4	-0.1	-0.2	0.3	0.6	-0.1	-0.1	0.2
60% Exceedance	0.4	-0.2	-0.2	0.1	0.1	-0.0	-0.1	0.2	0.1	-0.1	0.1	0.3
70% Exceedance	0.4	-0.2	-0.1	0.0	-0.0	0.1	-0.0	-0.0	-0.1	-0.1	0.1	0.2
80% Exceedance	0.4	-0.2	0.1	0.1	-0.0	-0.0	-0.1	-0.1	0.0	0.1	0.1	0.2
90% Exceedance	0.7	-0.1	0.4	-0.0	-0.0	0.0	-0.0	0.0	-0.1	0.1	0.0	-0.1
Full Simulation Period Average^a	0.3	-0.1	-0.1	-0.0	-0.0	0.0	-0.4	0.0	0.3	-0.0	-0.0	0.1
Wet Years (28%)	0.5	-0.0	-0.1	0.0	0.0	0.0	-0.0	-0.1	-0.0	-0.1	0.1	0.3
Above Normal Years (14%)	0.0	-0.2	-0.1	-0.0	-0.1	-0.1	-0.0	-0.2	-0.1	-0.1	-0.0	-0.1
Below Normal Years (18%)	-0.0	-0.2	-0.1	-0.2	-0.1	-0.0	0.1	-0.0	0.3	0.0	0.2	0.3
Dry Years (24%)	0.2	-0.0	-0.2	0.0	0.0	0.0	-0.1	0.1	0.6	-0.1	-0.2	0.1
Critical Years (16%)	0.4	-0.1	0.3	-0.1	0.0	0.0	-2.2	0.2	0.7	0.1	-0.2	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-6 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-6 b. American River at Watt Avenue, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.3	60.3	54.3	50.8	52.5	56.4	59.1	66.9	72.8	72.3	72.6	71.7
20% Exceedance	67.5	59.4	53.3	49.8	50.8	55.5	57.4	65.3	72.0	71.8	71.9	71.3
30% Exceedance	67.0	58.9	52.5	49.2	50.3	54.6	56.4	64.8	70.2	70.8	71.5	70.7
40% Exceedance	66.3	58.6	52.0	48.5	49.7	53.7	56.0	64.0	69.2	70.0	71.0	70.2
50% Exceedance	65.7	58.1	51.6	48.1	48.9	53.0	55.9	62.8	68.7	69.5	70.4	69.3
60% Exceedance	64.9	57.8	51.1	47.6	48.2	52.7	55.6	62.1	68.0	69.1	69.8	68.9
70% Exceedance	64.3	57.3	50.6	47.1	47.8	52.1	55.1	60.8	66.5	68.8	69.0	68.7
80% Exceedance	63.9	56.8	49.9	46.4	47.2	51.3	54.6	59.7	64.8	68.4	68.5	67.6
90% Exceedance	63.2	56.2	49.1	45.7	46.9	50.3	53.3	57.9	63.4	67.7	67.5	66.9
Full Simulation Period Average^a	65.7	58.1	51.6	48.1	49.2	53.3	56.1	62.8	68.3	69.9	70.2	69.4
Wet Years (28%)	65.9	58.1	51.5	46.7	47.3	51.0	54.2	59.9	65.1	68.7	69.9	69.3
Above Normal Years (14%)	64.8	56.5	50.8	48.4	48.7	52.3	55.7	63.0	68.3	69.3	68.8	68.8
Below Normal Years (18%)	65.2	58.5	51.7	48.4	49.2	53.2	55.9	62.9	69.1	69.7	69.8	68.9
Dry Years (24%)	65.1	58.1	51.6	48.4	49.8	54.4	56.5	63.7	69.4	69.8	70.3	69.3
Critical Years (16%)	67.7	59.4	52.1	49.9	52.2	56.8	59.7	66.0	71.4	72.9	72.4	70.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-6 c. American River at Watt Avenue, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.5	0.6	0.1	0.8	-0.3	-1.3	0.5	1.2	-0.4	-0.2	0.2
20% Exceedance	0.2	0.1	0.4	0.1	0.0	-0.5	-1.8	0.0	2.2	0.4	-0.1	0.3
30% Exceedance	0.4	0.0	0.0	0.3	-0.1	-0.4	-1.4	0.2	1.4	0.3	-0.1	0.3
40% Exceedance	0.4	-0.0	-0.1	-0.0	0.1	-0.4	-1.2	0.4	1.0	0.3	-0.1	0.4
50% Exceedance	0.4	0.0	0.1	-0.0	0.0	-0.1	-0.5	0.1	1.7	0.3	-0.2	-0.2
60% Exceedance	0.5	0.1	0.0	0.2	0.3	-0.0	-0.1	0.8	1.9	0.2	-0.1	0.0
70% Exceedance	0.4	0.0	0.3	0.3	0.1	0.1	-0.1	0.4	1.3	0.3	-0.6	0.1
80% Exceedance	0.5	0.1	0.3	0.3	-0.0	0.0	-0.1	-0.0	0.8	0.6	-0.4	0.0
90% Exceedance	0.9	0.3	1.0	0.2	0.1	0.0	-0.0	0.0	0.1	0.4	-0.2	0.0
Full Simulation Period Average^a	0.5	0.2	0.3	0.2	0.1	-0.2	-0.7	0.3	1.2	0.3	-0.2	0.1
Wet Years (28%)	0.4	0.0	0.1	0.2	0.1	-0.1	-0.2	0.4	0.7	0.2	-0.4	0.1
Above Normal Years (14%)	0.7	-0.3	-0.2	0.1	-0.0	-0.4	-0.6	0.6	1.7	0.5	-0.5	0.2
Below Normal Years (18%)	1.0	0.8	0.7	0.1	0.2	-0.6	-1.3	0.2	1.1	0.6	0.1	0.2
Dry Years (24%)	0.2	0.4	0.5	0.0	-0.0	0.0	-0.8	0.4	1.5	0.1	-0.2	-0.0
Critical Years (16%)	0.3	-0.2	0.5	0.6	0.4	-0.0	-0.8	-0.2	1.0	0.0	-0.0	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-7 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-7 b. American River at Watt Avenue, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	65.1	58.9	55.4	51.5	53.1	57.7	62.8	68.3	72.1	71.2	71.5	70.7
20% Exceedance	63.8	56.9	54.5	50.7	51.2	56.8	61.7	66.5	69.6	69.3	69.8	69.5
30% Exceedance	63.1	56.6	53.7	49.9	50.6	55.8	60.5	65.6	68.3	68.7	68.9	68.2
40% Exceedance	62.4	56.3	53.0	49.1	49.8	54.5	59.5	64.7	67.8	68.2	68.6	67.5
50% Exceedance	62.2	56.1	52.2	48.6	49.1	53.5	58.2	63.1	67.0	67.9	68.5	67.3
60% Exceedance	62.0	55.9	51.9	47.9	48.1	52.7	57.4	62.2	66.2	67.6	68.1	67.0
70% Exceedance	61.8	55.8	51.3	47.3	47.9	52.1	55.9	60.5	65.2	67.3	67.8	66.8
80% Exceedance	61.5	55.6	50.7	46.5	47.3	51.3	55.2	59.7	64.5	66.9	67.4	66.5
90% Exceedance	60.8	55.3	49.5	45.8	46.9	50.2	53.4	58.0	63.5	66.5	66.8	66.1
Full Simulation Period Average^a	62.6	56.4	52.4	48.6	49.5	53.9	58.3	63.2	67.2	68.5	68.8	67.8
Wet Years (28%)	61.9	56.1	52.7	46.9	47.4	51.1	55.0	59.8	64.3	67.8	68.3	67.0
Above Normal Years (14%)	62.1	55.1	52.1	48.9	48.8	52.6	57.7	62.9	66.2	67.3	68.0	66.9
Below Normal Years (18%)	61.3	56.4	52.3	48.9	49.4	54.2	58.6	63.3	67.5	67.4	68.2	66.9
Dry Years (24%)	63.1	56.7	52.1	49.0	50.2	54.9	59.5	64.4	68.2	68.4	68.3	67.9
Critical Years (16%)	65.0	57.8	52.9	50.3	52.5	57.9	62.5	67.5	71.4	72.4	71.7	70.6

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-7 c. American River at Watt Avenue, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2.9	-1.0	1.7	0.9	1.4	1.1	2.4	2.0	0.4	-1.5	-1.3	-0.7
20% Exceedance	-3.5	-2.5	1.6	1.1	0.5	0.9	2.5	1.3	-0.1	-2.2	-2.3	-1.5
30% Exceedance	-3.5	-2.3	1.2	1.0	0.2	0.8	2.7	1.0	-0.4	-1.7	-2.7	-2.2
40% Exceedance	-3.5	-2.4	0.8	0.5	0.3	0.4	2.3	1.1	-0.4	-1.4	-2.5	-2.3
50% Exceedance	-3.1	-2.0	0.7	0.5	0.1	0.3	1.9	0.3	0.0	-1.4	-2.1	-2.2
60% Exceedance	-2.4	-1.7	0.9	0.5	0.2	-0.0	1.7	0.9	0.1	-1.3	-1.8	-1.9
70% Exceedance	-2.1	-1.4	1.0	0.5	0.2	0.1	0.6	0.1	-0.0	-1.2	-1.9	-1.8
80% Exceedance	-1.9	-1.2	1.1	0.3	0.1	-0.0	0.4	-0.0	0.5	-0.9	-1.5	-1.0
90% Exceedance	-1.5	-0.6	1.5	0.4	0.0	0.0	0.0	0.0	0.1	-0.8	-0.8	-0.7
Full Simulation Period Average^a	-2.6	-1.6	1.2	0.6	0.3	0.4	1.5	0.7	0.1	-1.1	-1.7	-1.6
Wet Years (28%)	-3.6	-2.0	1.3	0.4	0.1	-0.0	0.6	0.3	0.0	-0.8	-2.0	-2.1
Above Normal Years (14%)	-1.9	-1.7	1.1	0.5	0.1	-0.0	1.4	0.5	-0.5	-1.5	-1.3	-1.8
Below Normal Years (18%)	-2.9	-1.2	1.3	0.6	0.3	0.4	1.5	0.5	-0.5	-1.7	-1.5	-1.8
Dry Years (24%)	-1.8	-1.0	1.0	0.6	0.4	0.5	2.2	1.1	0.3	-1.3	-2.1	-1.5
Critical Years (16%)	-2.4	-1.9	1.2	0.9	0.8	1.1	2.0	1.2	1.0	-0.5	-0.8	-0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-8 a. American River at Watt Avenue, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.0	59.9	53.7	50.7	51.8	56.7	60.4	66.4	71.6	72.7	72.7	71.5
20% Exceedance	67.3	59.3	52.8	49.6	50.8	56.0	59.2	65.2	69.8	71.5	72.0	70.9
30% Exceedance	66.5	58.9	52.4	48.9	50.4	55.0	57.8	64.5	68.7	70.5	71.6	70.4
40% Exceedance	65.9	58.6	52.2	48.5	49.6	54.1	57.2	63.6	68.3	69.6	71.1	69.8
50% Exceedance	65.3	58.0	51.6	48.1	48.9	53.2	56.4	62.8	67.0	69.2	70.6	69.5
60% Exceedance	64.4	57.6	51.0	47.4	47.9	52.7	55.7	61.3	66.1	68.9	70.0	68.9
70% Exceedance	63.9	57.3	50.3	46.8	47.7	52.0	55.2	60.4	65.2	68.5	69.6	68.6
80% Exceedance	63.4	56.7	49.7	46.2	47.2	51.3	54.8	59.8	64.0	67.8	68.9	67.5
90% Exceedance	62.3	55.9	48.0	45.4	46.9	50.2	53.3	57.9	63.4	67.3	67.6	66.9
Full Simulation Period Average^a	65.2	58.0	51.2	48.0	49.1	53.5	56.8	62.5	67.1	69.7	70.4	69.4
Wet Years (28%)	65.5	58.0	51.4	46.5	47.3	51.1	54.4	59.5	64.3	68.6	70.3	69.1
Above Normal Years (14%)	64.1	56.8	51.1	48.4	48.7	52.6	56.3	62.4	66.6	68.8	69.3	68.7
Below Normal Years (18%)	64.3	57.7	51.0	48.3	49.1	53.8	57.1	62.7	68.0	69.1	69.7	68.8
Dry Years (24%)	64.9	57.7	51.1	48.3	49.8	54.4	57.3	63.3	67.9	69.7	70.4	69.4
Critical Years (16%)	67.4	59.7	51.7	49.4	51.8	56.8	60.5	66.2	70.4	72.9	72.5	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-8 b. American River at Watt Avenue, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.3	59.8	53.4	50.7	52.1	57.0	60.5	66.3	72.0	72.2	72.9	71.6
20% Exceedance	67.2	59.3	52.9	49.8	50.9	56.1	59.5	65.1	69.9	71.4	72.0	71.1
30% Exceedance	66.6	58.7	52.5	49.1	50.3	55.3	58.0	64.3	69.4	70.6	71.7	70.6
40% Exceedance	65.7	58.2	52.1	48.5	49.8	54.3	57.3	63.4	68.6	70.1	71.2	69.9
50% Exceedance	65.1	57.9	51.6	48.2	48.9	53.2	56.4	62.5	67.2	69.3	70.8	69.6
60% Exceedance	64.5	57.5	51.0	47.7	48.0	52.7	56.0	61.6	66.0	68.8	70.0	69.0
70% Exceedance	64.0	57.1	50.5	46.7	47.8	52.0	55.3	60.4	65.0	68.5	69.7	68.6
80% Exceedance	63.4	56.5	49.9	46.1	47.1	51.2	54.8	59.7	64.0	67.7	69.0	67.3
90% Exceedance	62.3	55.7	48.3	45.4	46.7	50.2	53.3	58.0	63.2	67.0	67.7	66.5
Full Simulation Period Average^a	65.2	57.8	51.2	48.1	49.2	53.6	56.9	62.4	67.4	69.6	70.5	69.3
Wet Years (28%)	65.6	57.8	51.3	46.5	47.3	51.1	54.4	59.5	64.3	68.7	70.6	69.4
Above Normal Years (14%)	64.6	56.6	51.0	48.5	48.6	52.6	56.2	62.3	66.7	68.8	69.7	68.8
Below Normal Years (18%)	64.1	57.6	50.7	48.3	49.1	53.8	57.2	62.8	68.1	69.2	70.2	68.6
Dry Years (24%)	64.8	57.8	51.2	48.4	49.8	54.5	57.5	63.2	68.4	69.6	69.8	69.0
Critical Years (16%)	67.1	59.3	52.0	49.7	52.2	57.2	60.7	65.7	70.8	72.2	72.6	71.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-16-8 c. American River at Watt Avenue, Action 5 Minus NAA, Monthly Temperature (DEG-F)

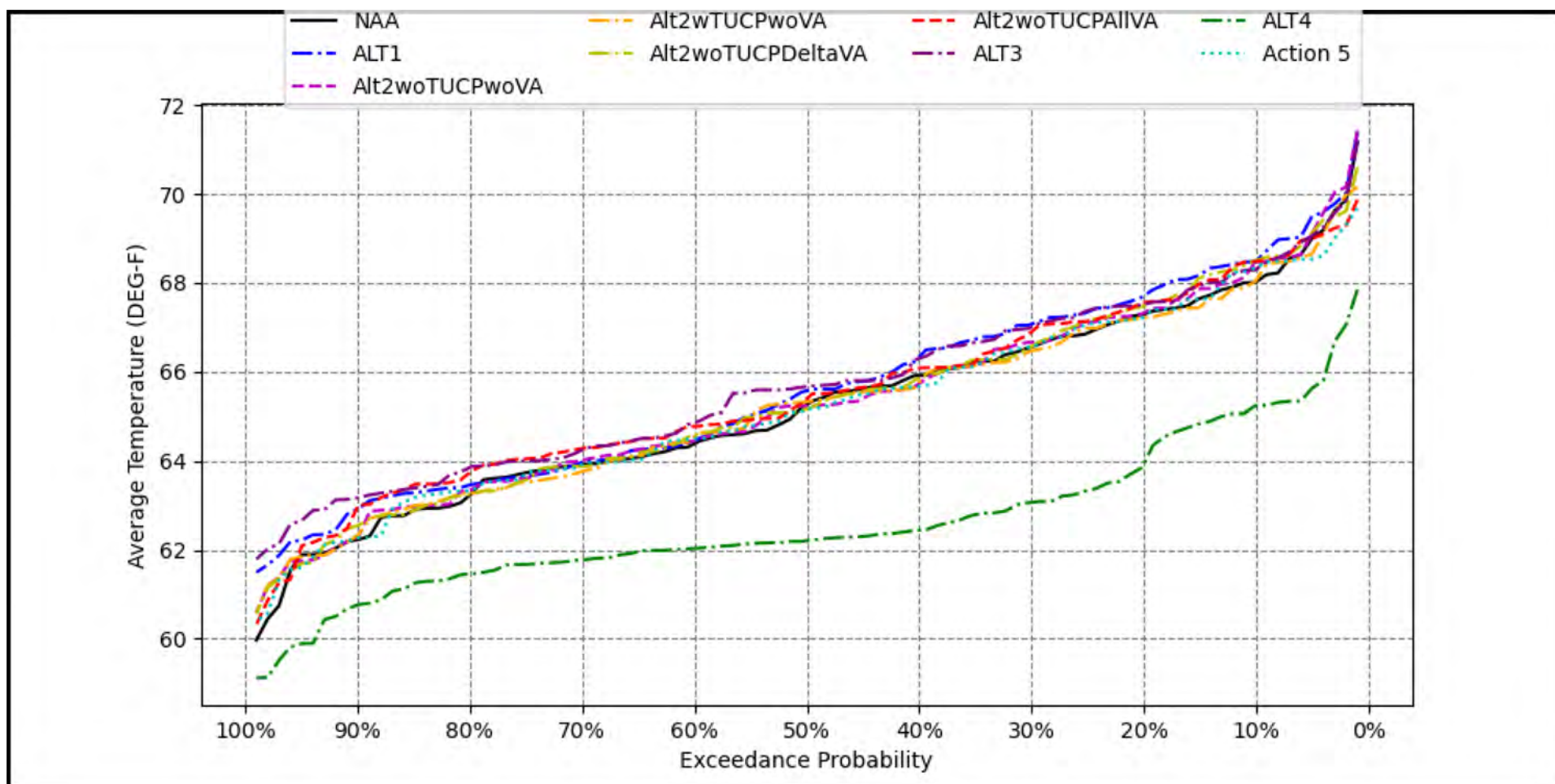
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	-0.1	-0.3	0.0	0.3	0.3	0.1	-0.1	0.3	-0.5	0.1	0.2
20% Exceedance	-0.1	-0.1	0.0	0.2	0.1	0.1	0.3	-0.2	0.1	-0.1	-0.1	0.2
30% Exceedance	0.0	-0.2	0.1	0.2	-0.0	0.3	0.2	-0.2	0.6	0.1	0.1	0.2
40% Exceedance	-0.3	-0.4	-0.1	0.0	0.3	0.2	0.2	-0.2	0.4	0.4	0.1	0.2
50% Exceedance	-0.1	-0.1	0.0	0.1	-0.1	0.0	0.0	-0.3	0.2	0.1	0.2	0.0
60% Exceedance	0.1	-0.2	-0.0	0.3	0.1	-0.1	0.2	0.2	-0.0	-0.1	0.0	0.1
70% Exceedance	0.0	-0.2	0.2	-0.1	0.1	-0.0	0.0	0.0	-0.2	0.0	0.1	-0.0
80% Exceedance	0.0	-0.2	0.2	-0.0	-0.0	-0.0	0.1	-0.0	-0.1	-0.1	0.1	-0.3
90% Exceedance	-0.0	-0.2	0.2	-0.1	-0.2	0.0	-0.0	0.0	-0.2	-0.2	0.1	-0.3
Full Simulation Period Average^a	-0.0	-0.1	-0.0	0.1	0.1	0.1	0.1	-0.1	0.2	-0.1	0.1	-0.0
Wet Years (28%)	0.1	-0.3	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.4	0.3
Above Normal Years (14%)	0.6	-0.2	-0.1	0.1	-0.1	-0.0	-0.0	-0.1	0.0	-0.0	0.4	0.1
Below Normal Years (18%)	-0.1	-0.1	-0.3	0.1	-0.0	0.0	0.1	0.0	0.2	0.1	0.4	-0.2
Dry Years (24%)	-0.1	0.1	0.1	0.1	-0.0	0.1	0.2	-0.1	0.5	-0.1	-0.6	-0.4
Critical Years (16%)	-0.3	-0.4	0.3	0.3	0.4	0.4	0.2	-0.5	0.4	-0.7	0.1	-0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

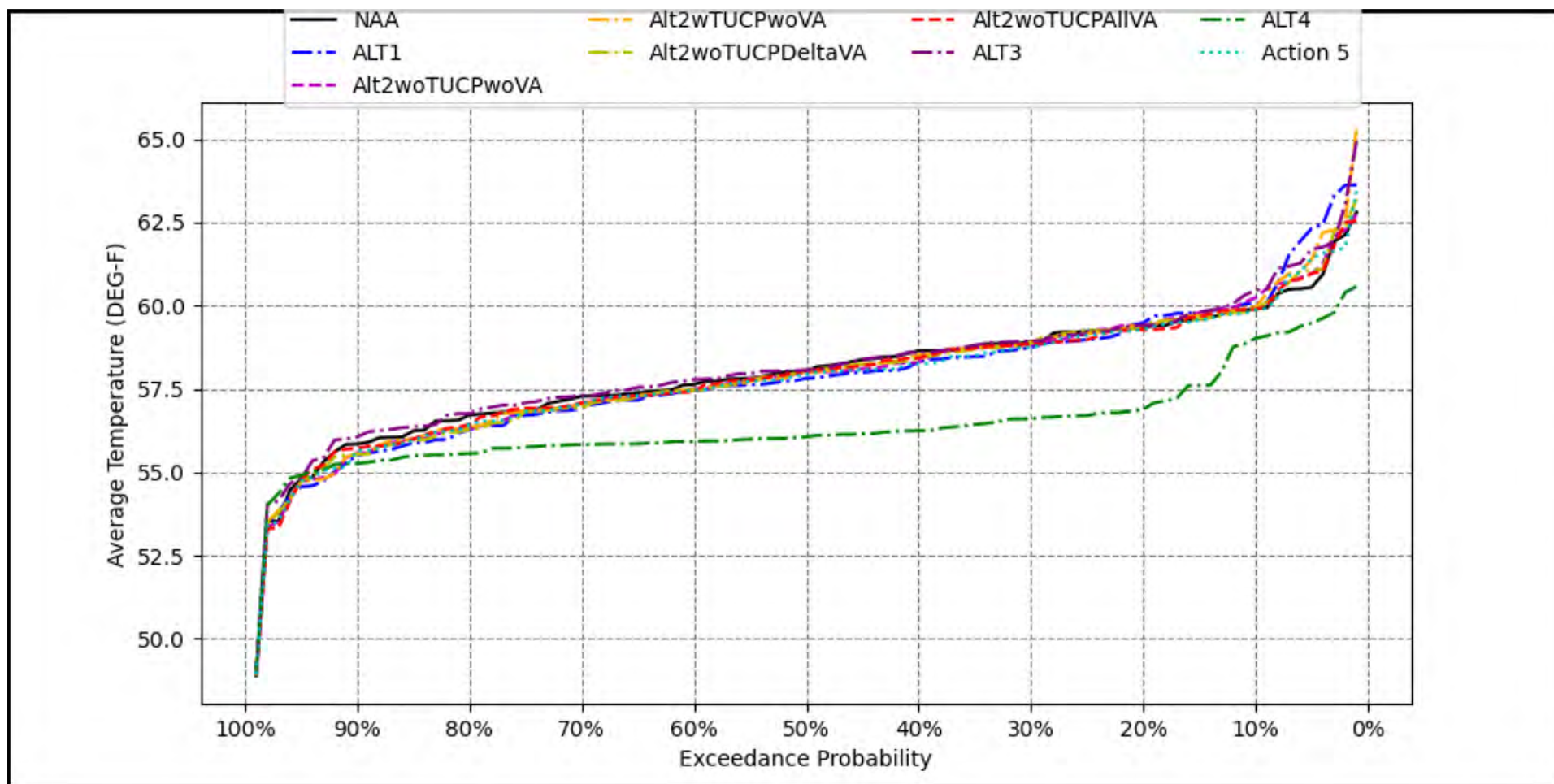
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



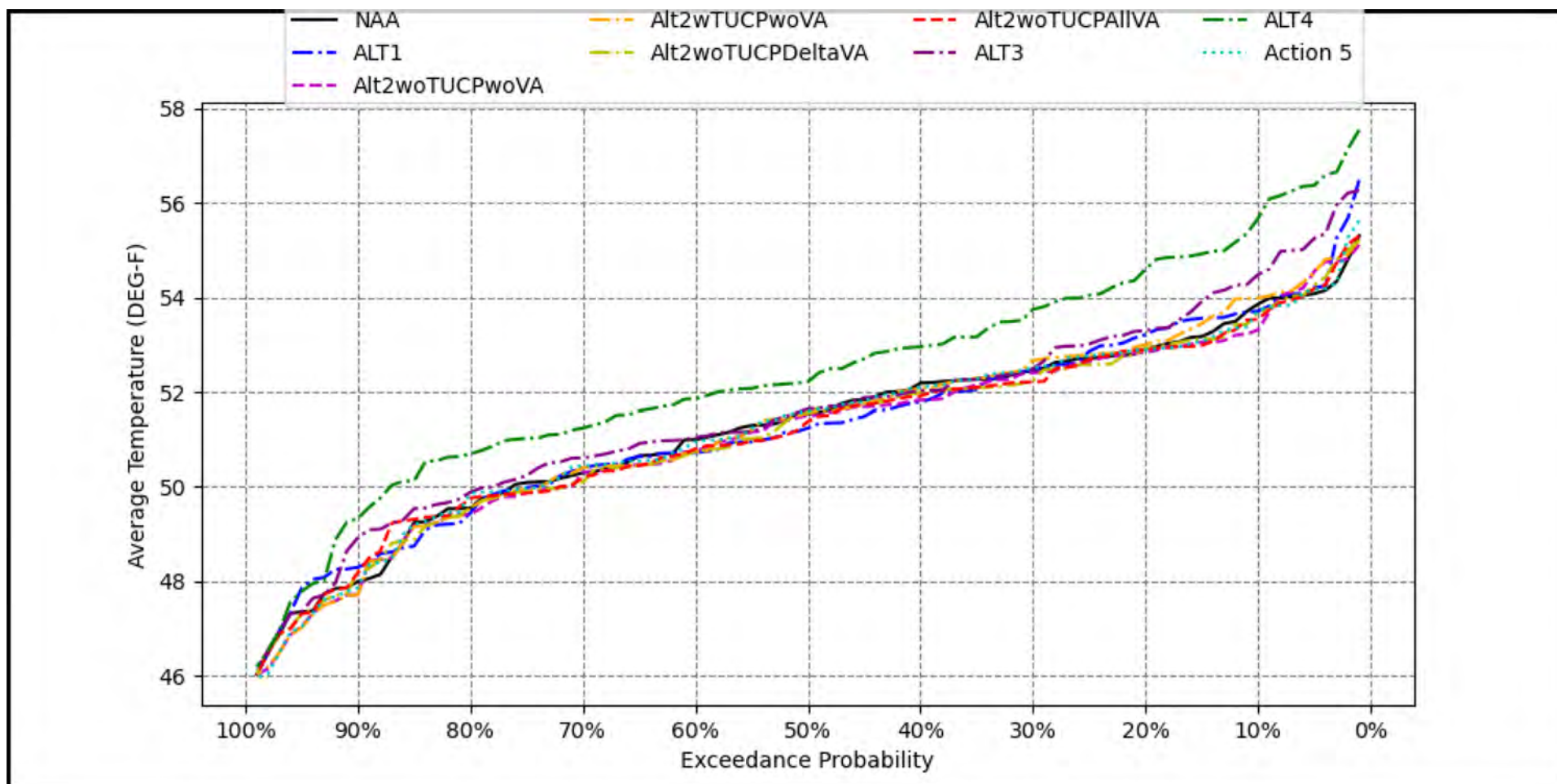
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-1 American River at Watt Avenue, October Temperature



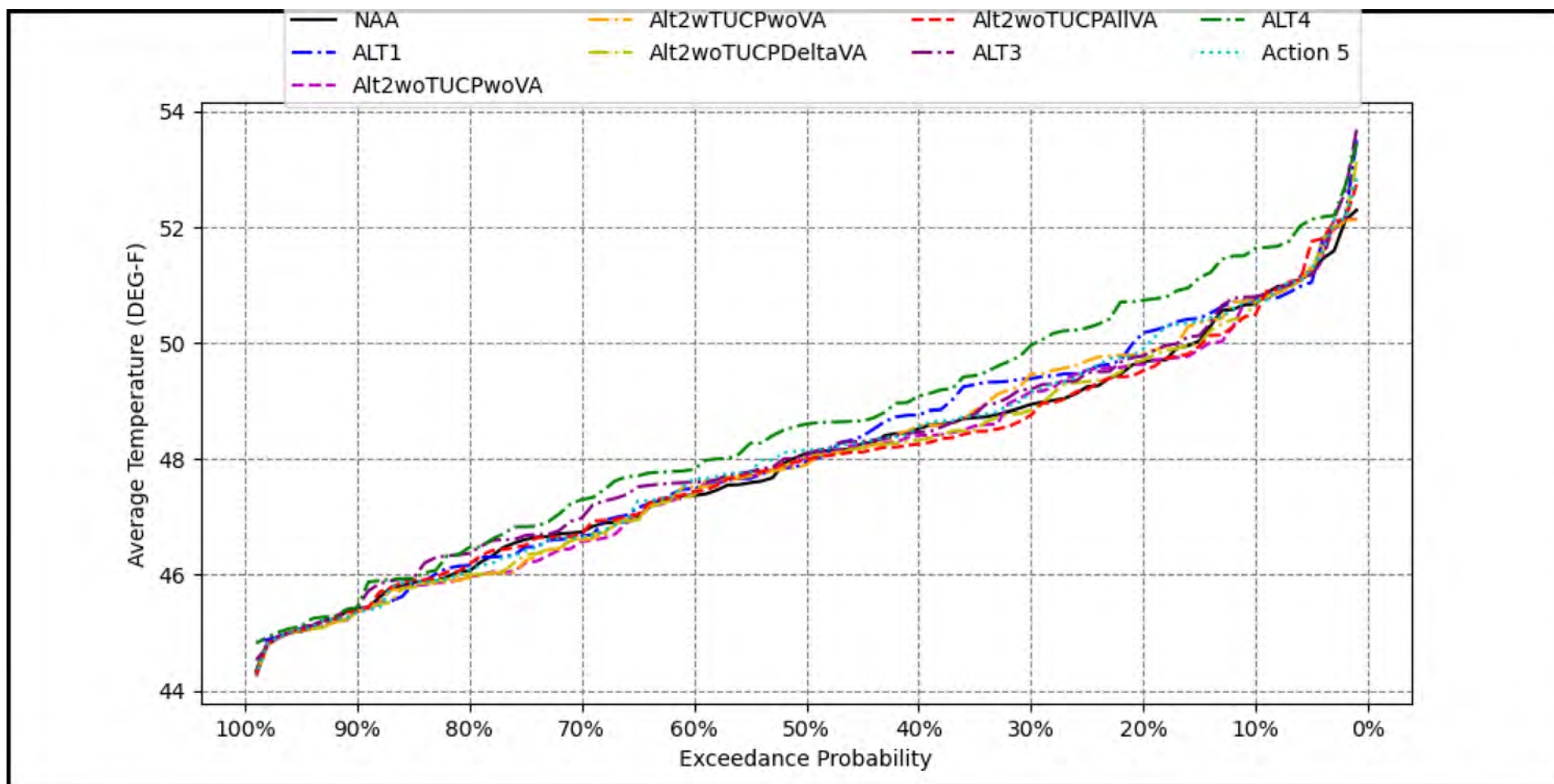
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-2 American River at Watt Avenue, November Temperature



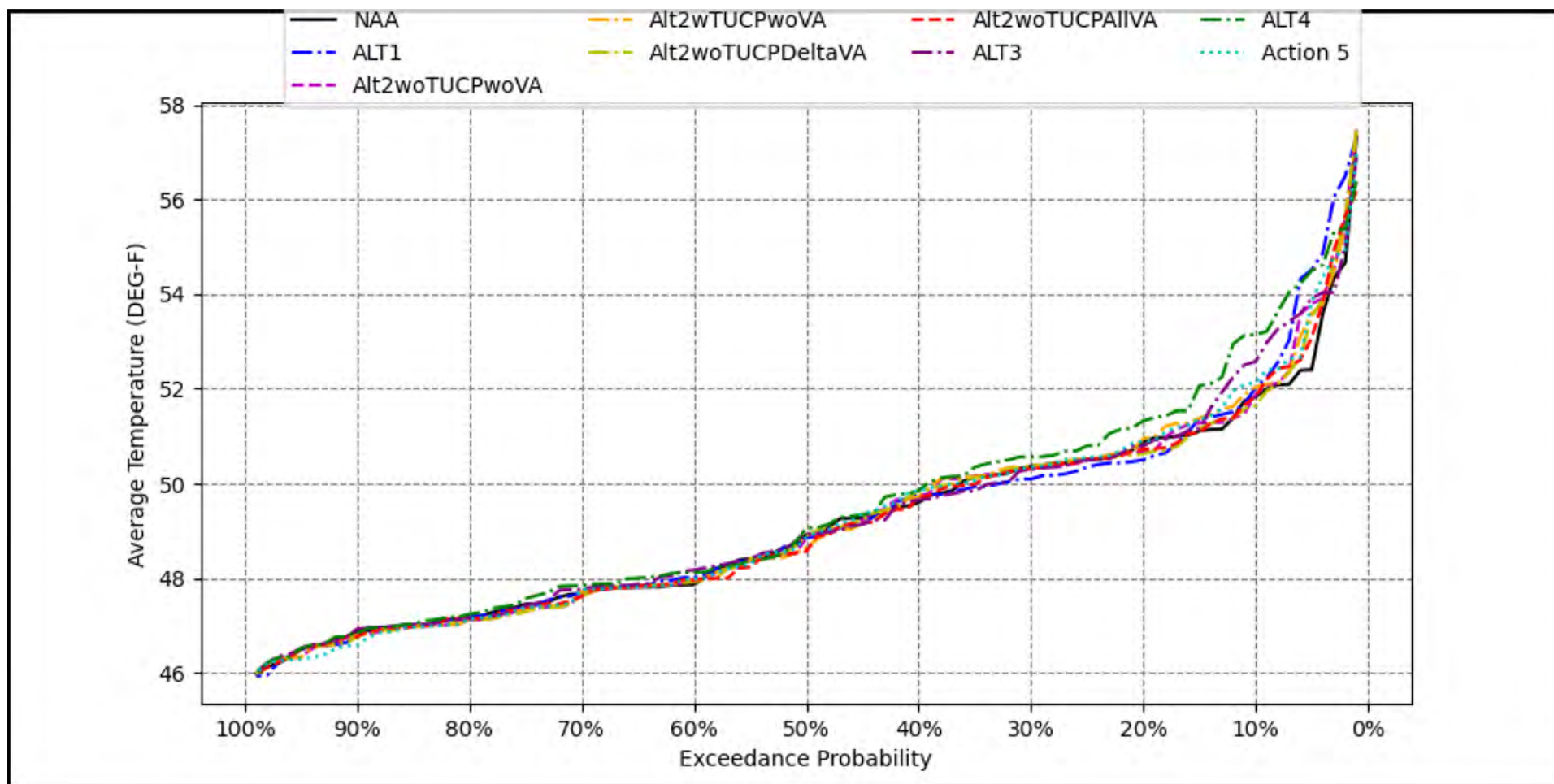
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-3 American River at Watt Avenue, December Temperature



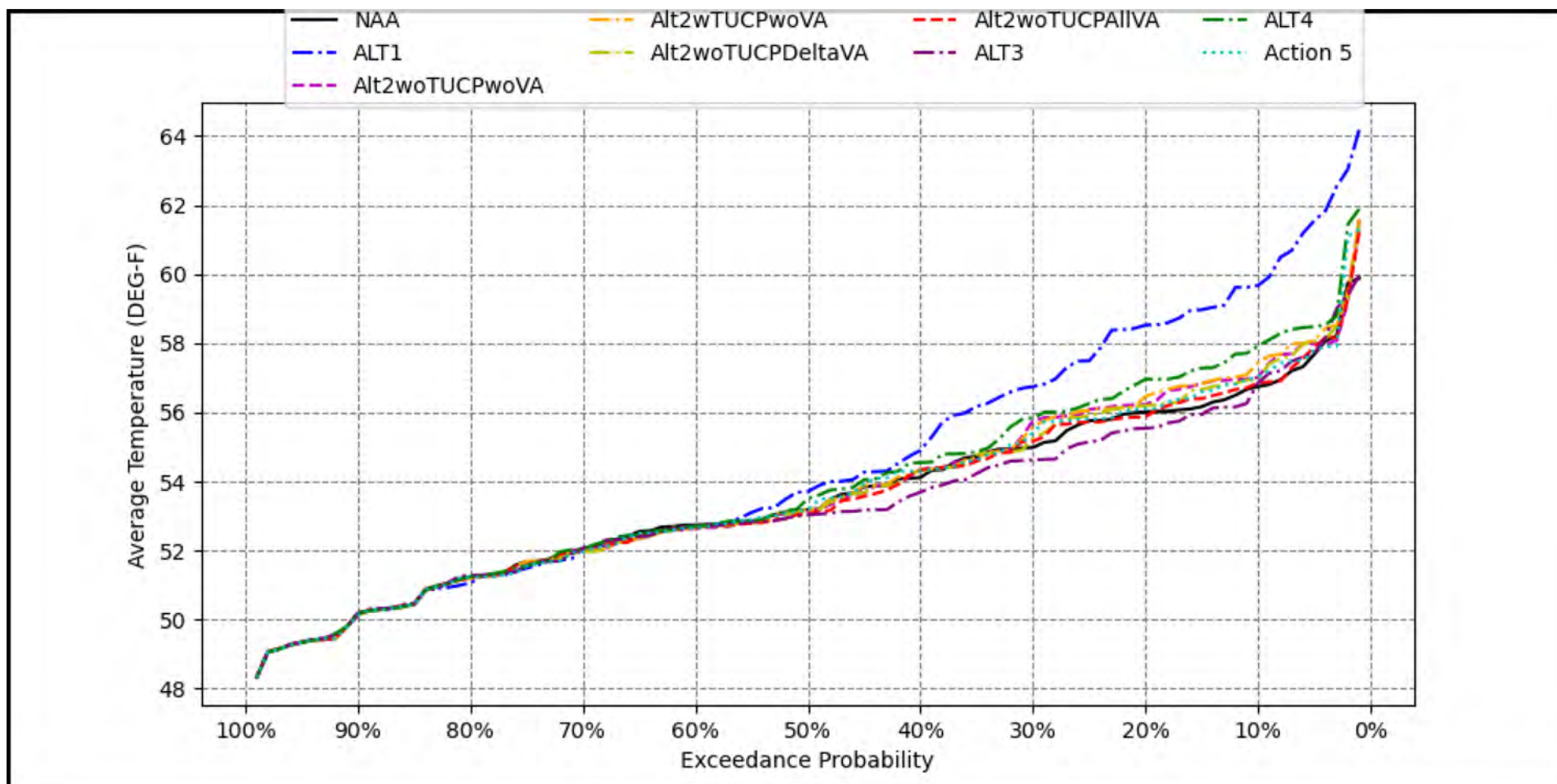
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-4 American River at Watt Avenue, January Temperature



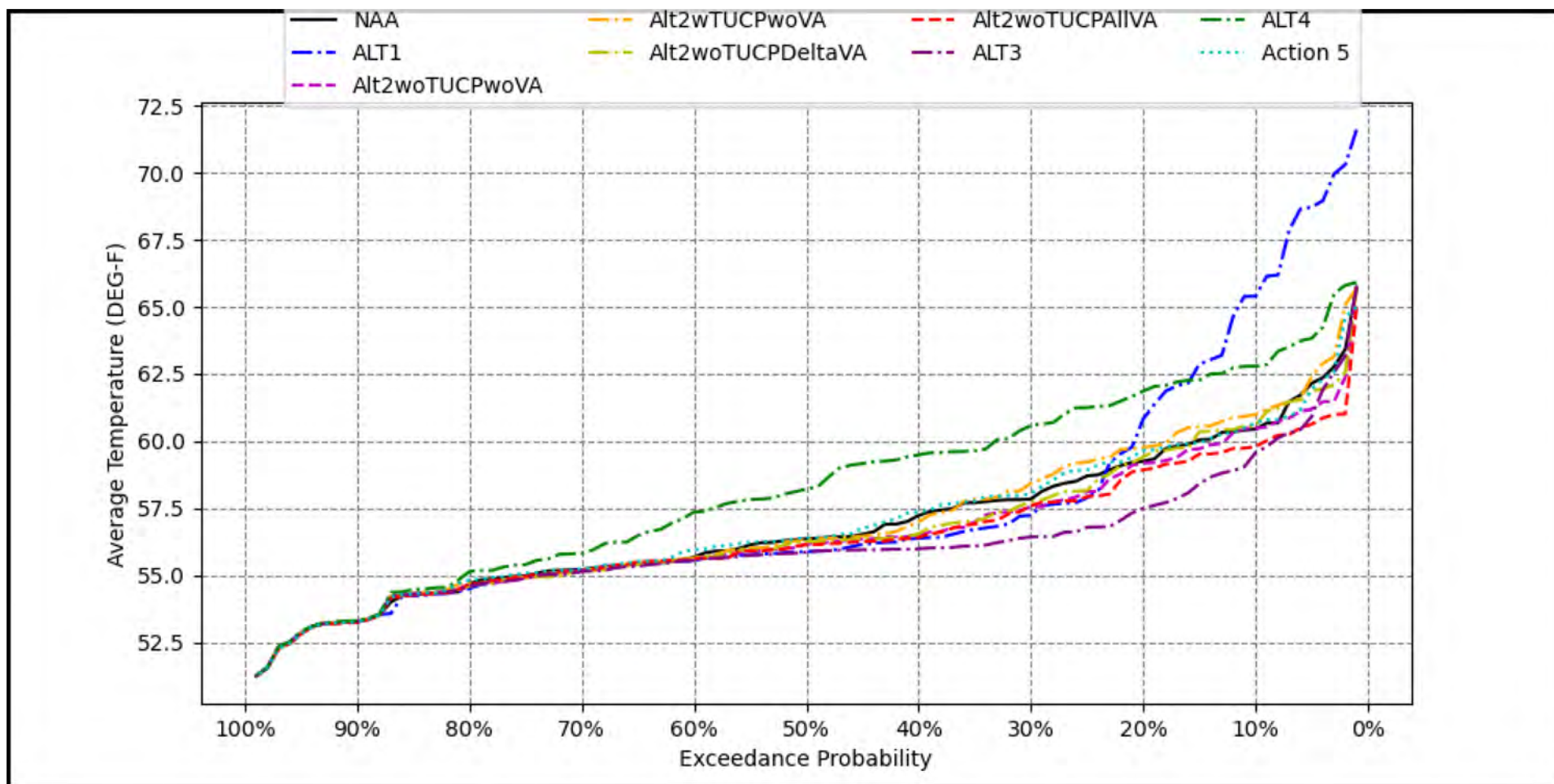
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-5 American River at Watt Avenue, February Temperature



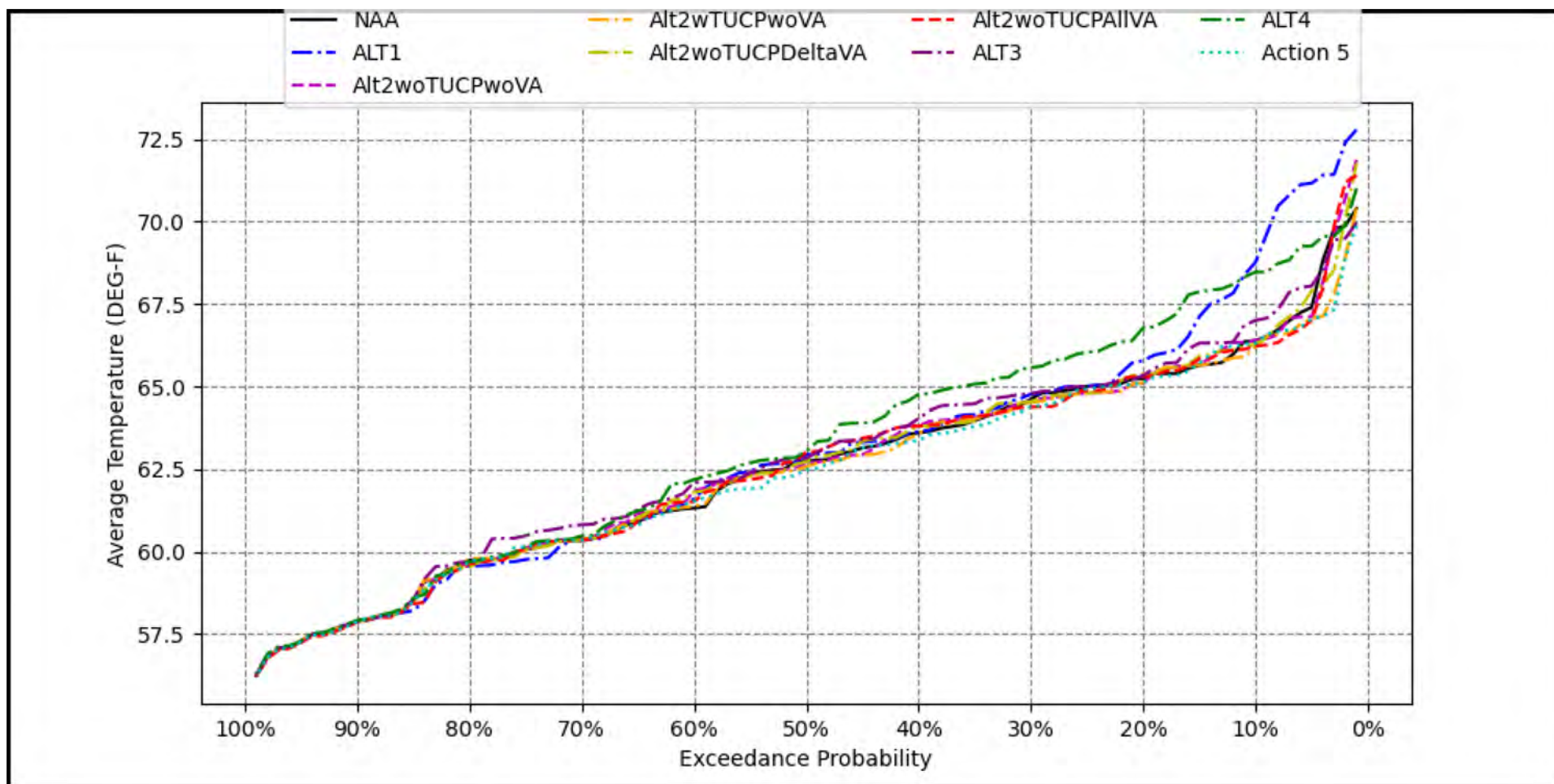
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-6 American River at Watt Avenue, March Temperature



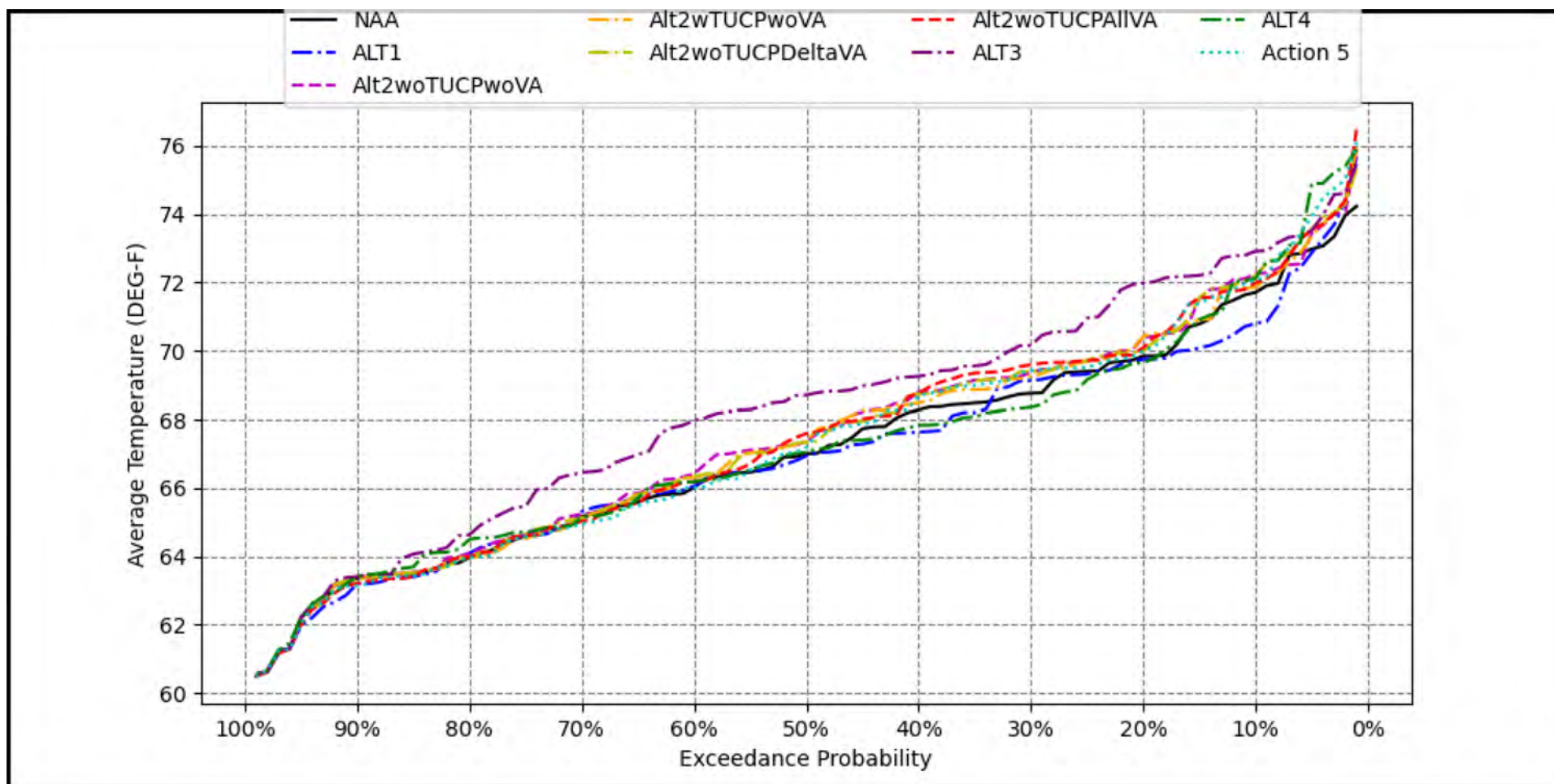
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-7 American River at Watt Avenue, April Temperature



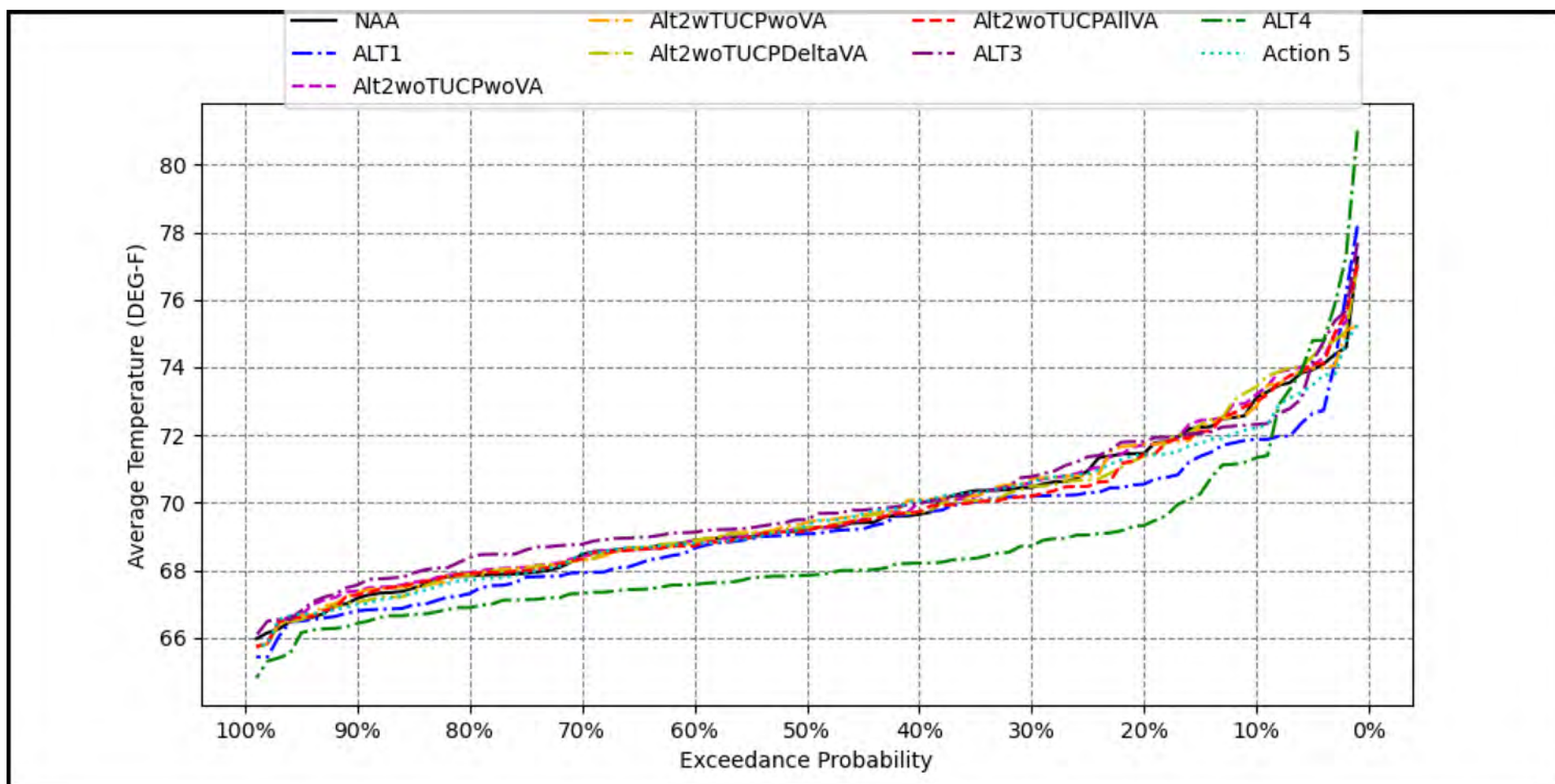
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-8 American River at Watt Avenue, May Temperature



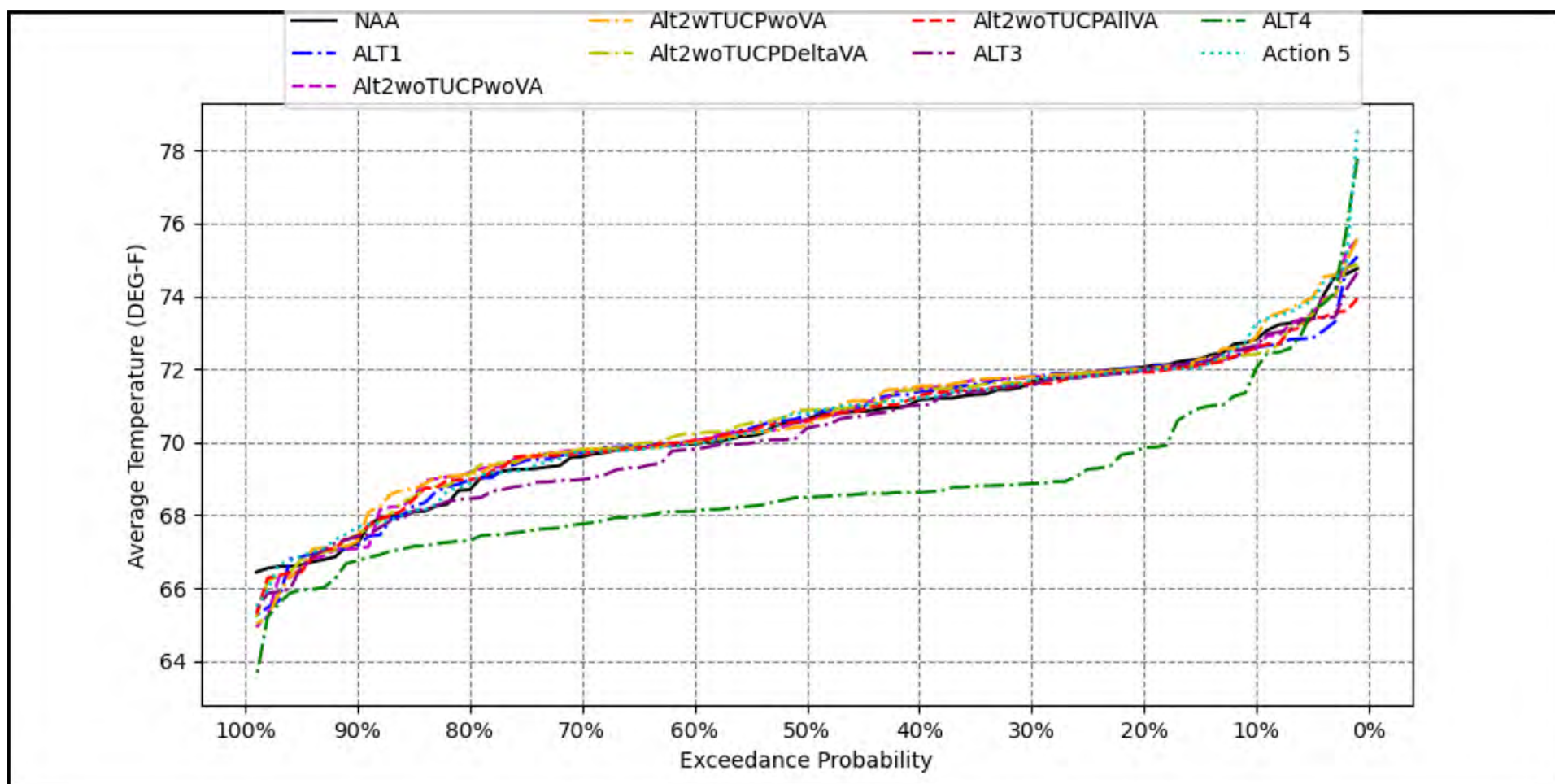
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-9 American River at Watt Avenue, June Temperature



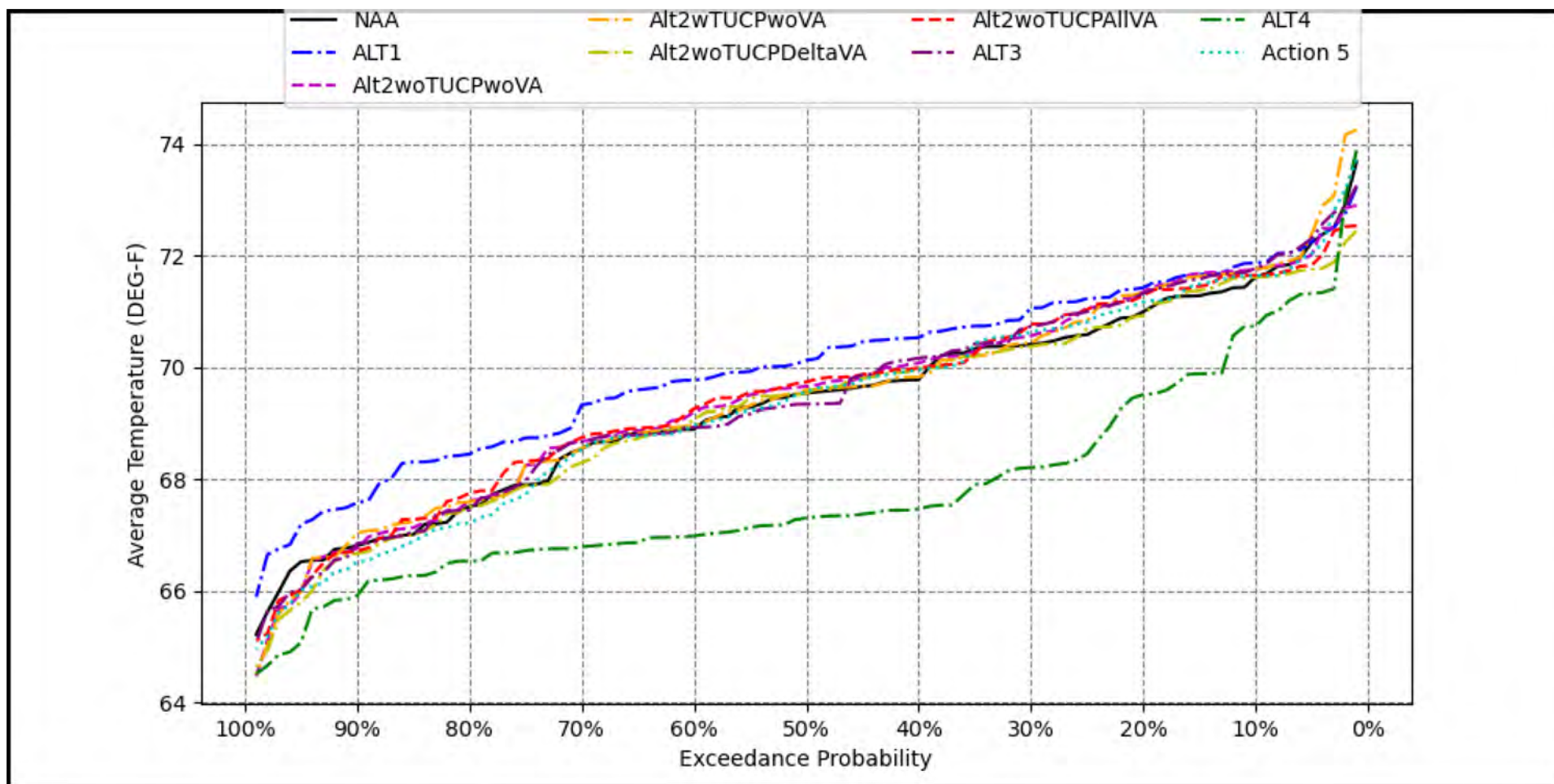
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-10 American River at Watt Avenue, July Temperature



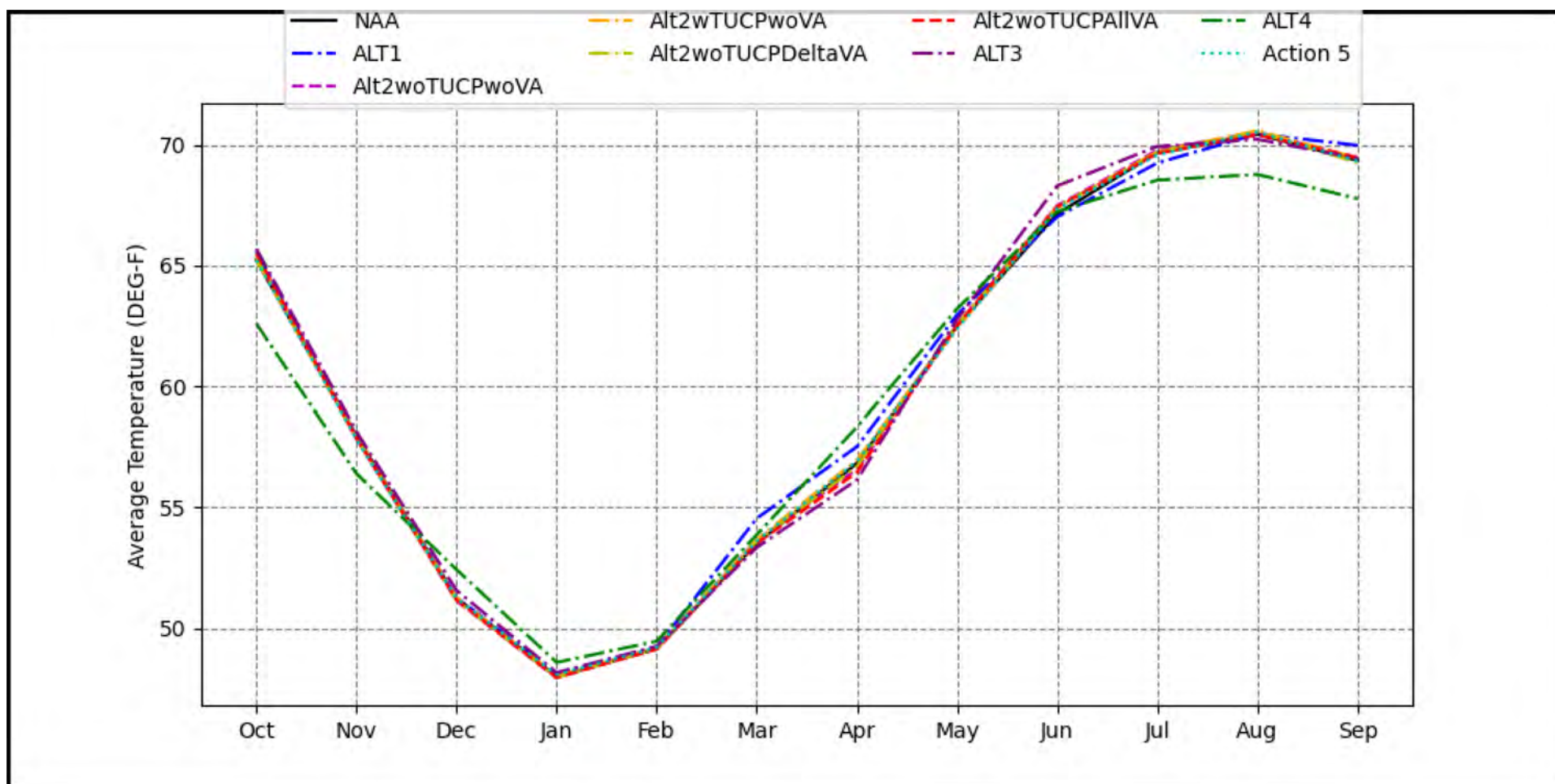
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-11 American River at Watt Avenue, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-12 American River at Watt Avenue, September Temperature

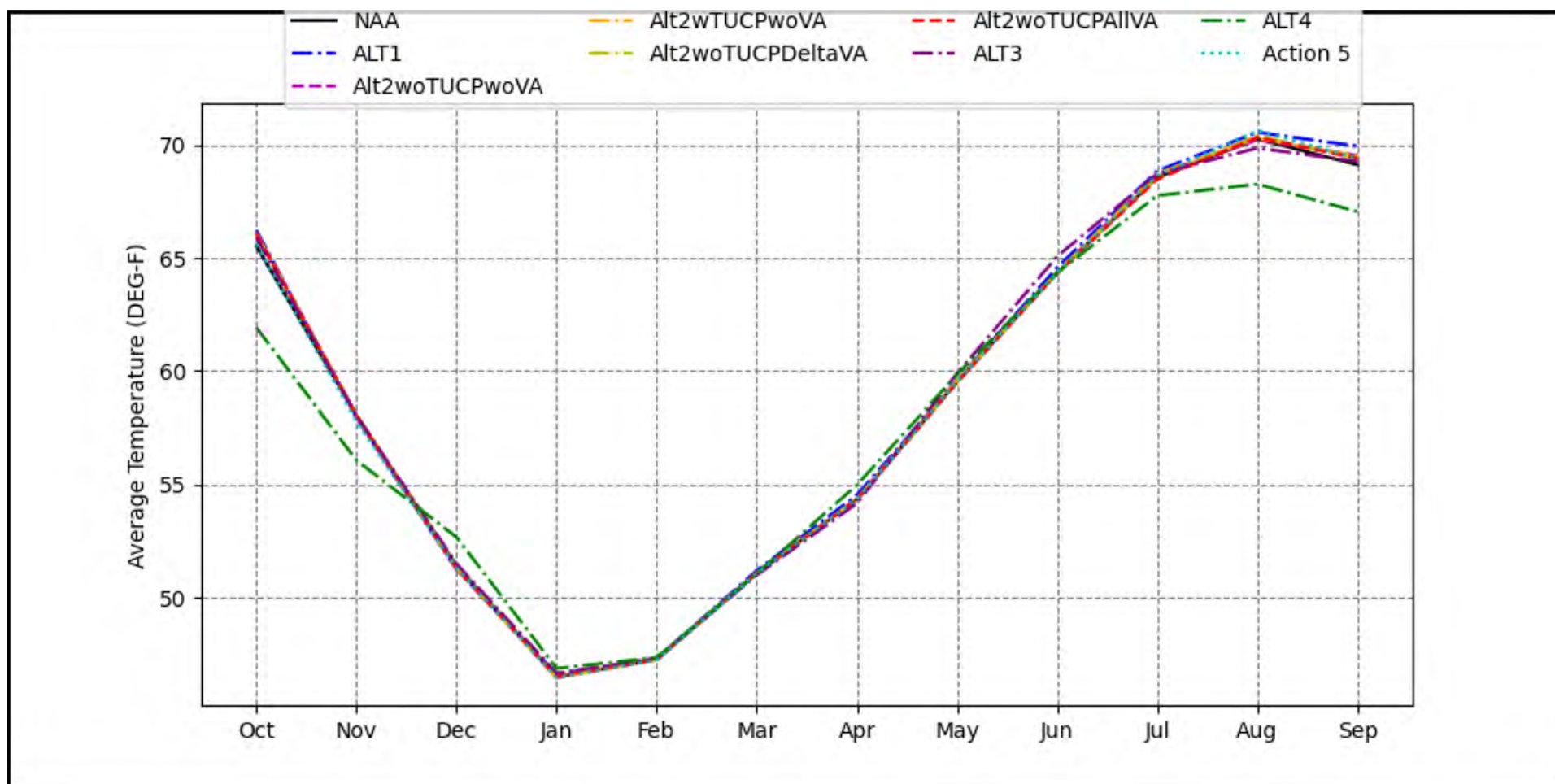


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-13 American River at Watt Avenue, Long Term Average Temperature (DEG-F)

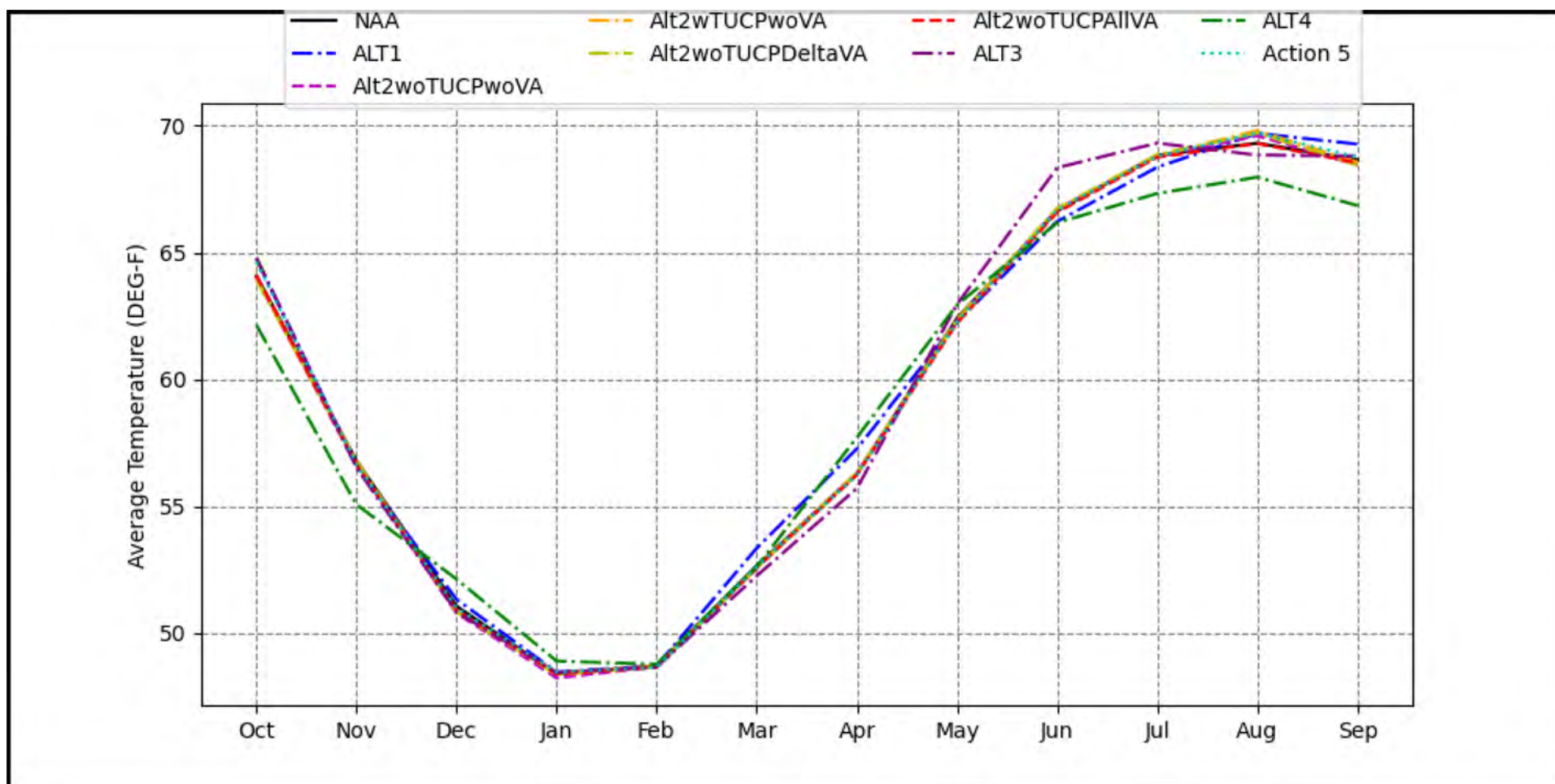


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-14 American River at Watt Avenue, Wet Year Average Temperature (DEG-F)

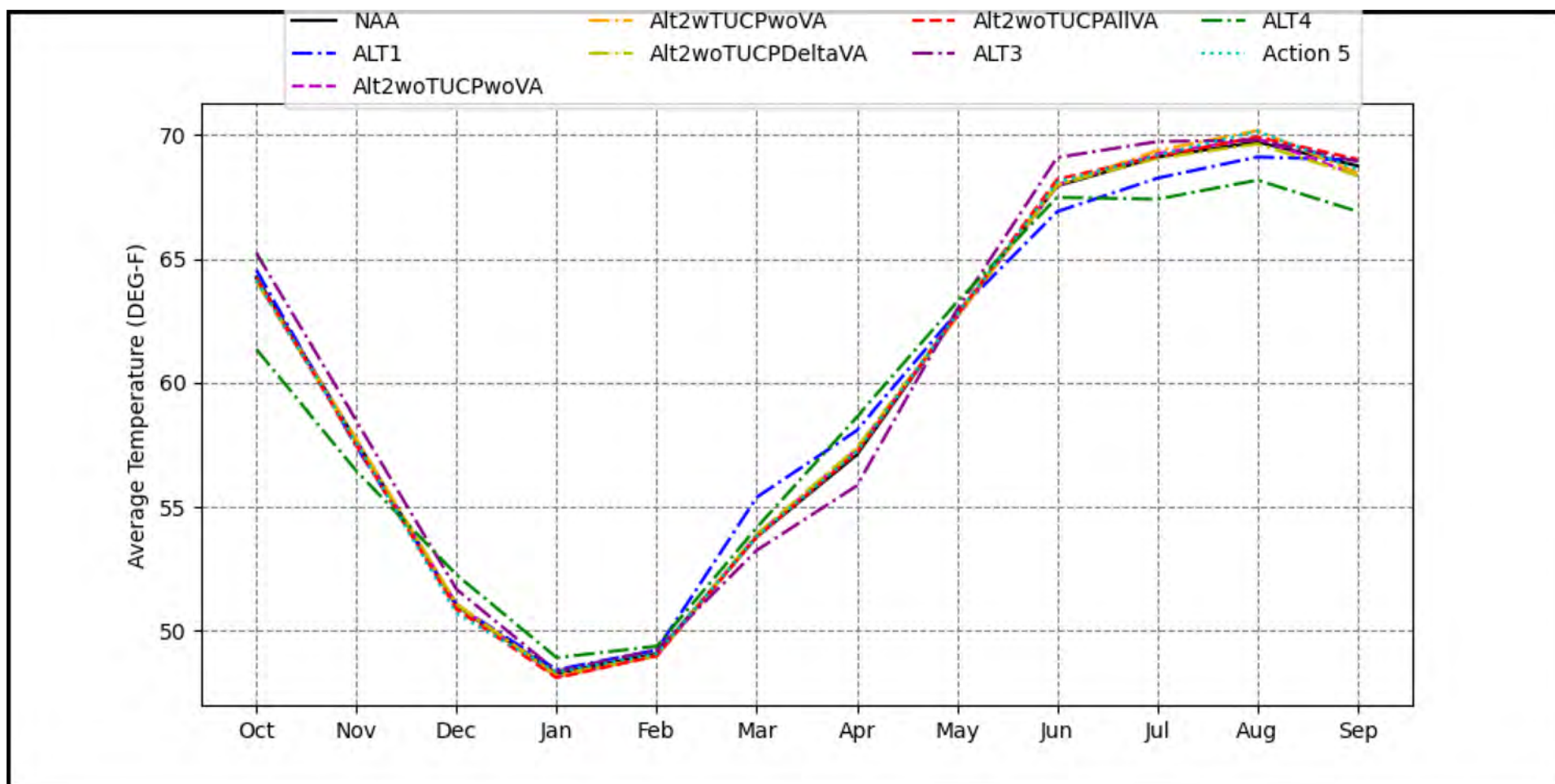


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-15 American River at Watt Avenue, Above Normal Year Average Temperature (DEG-F)

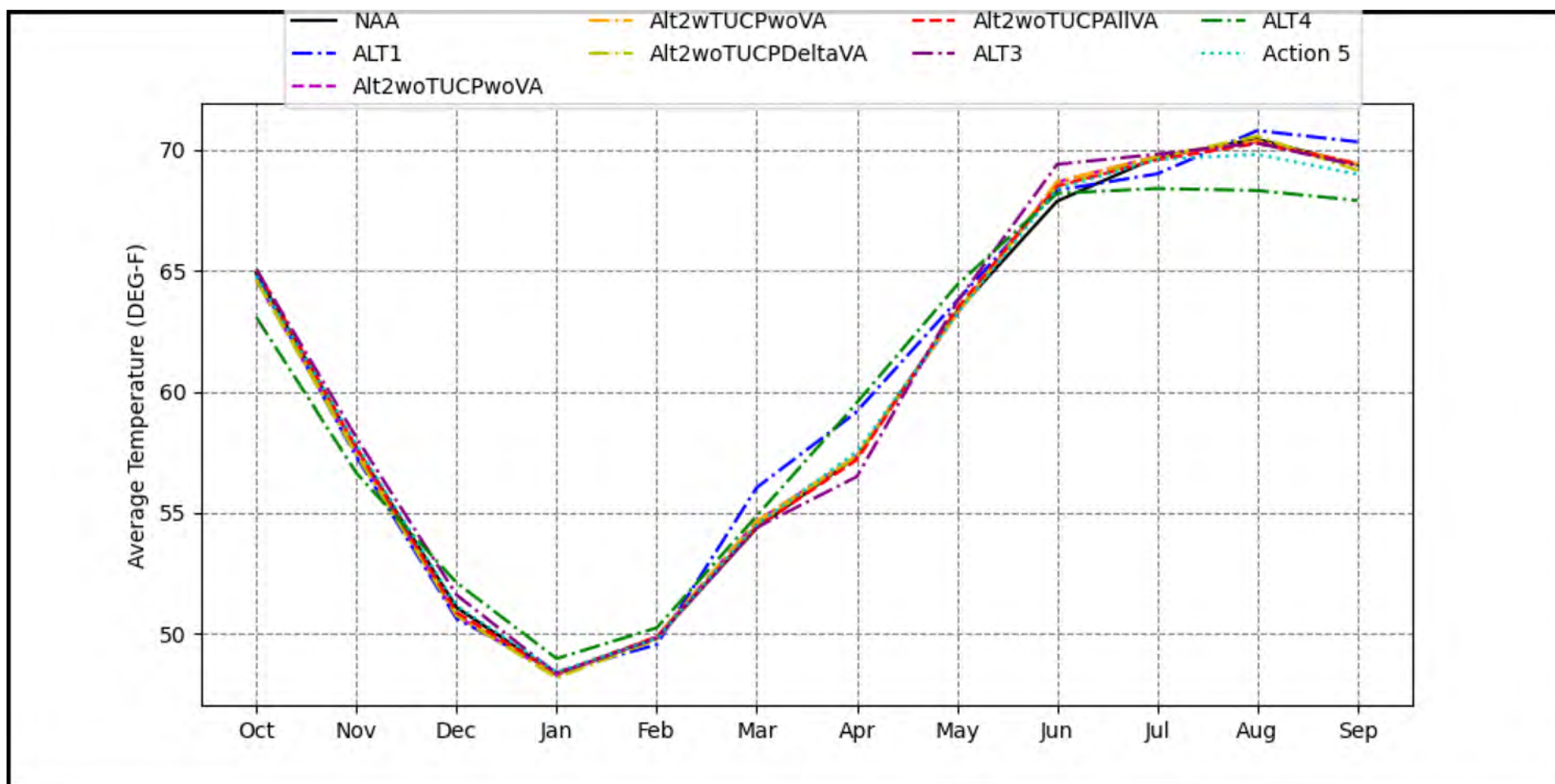


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-16 American River at Watt Avenue, Below Normal Year Average Temperature (DEG-F)

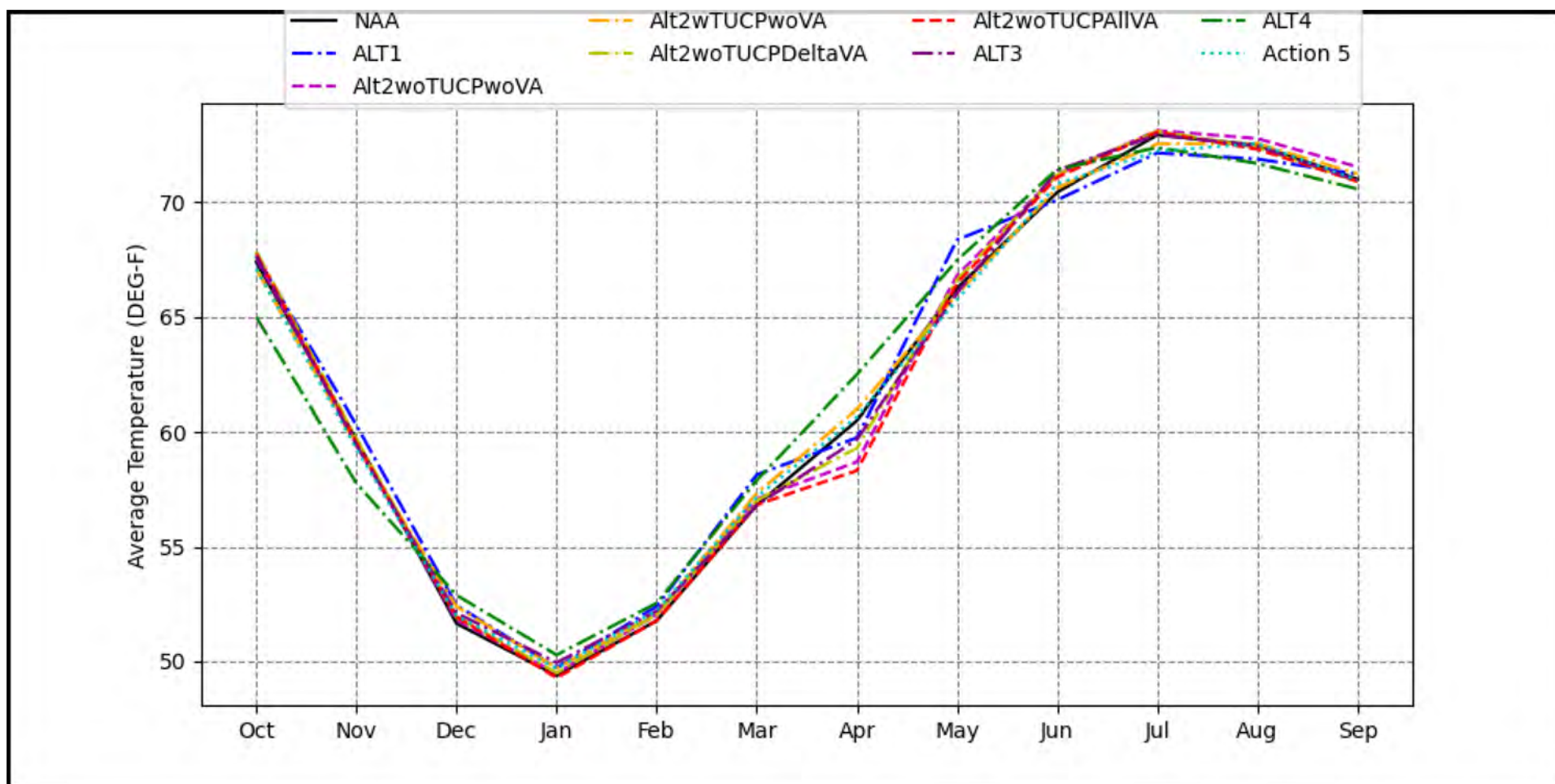


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-17 American River at Watt Avenue, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-16-18 American River at Watt Avenue, Critical Year Average Temperature (DEG-F)

F.2.11-17 American River at the Mouth

Table F.2.11-17-1 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-1 b. American River at the Mouth, ALT1, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	70.0	60.9	53.8	51.3	52.7	63.4	70.5	73.9	74.2	74.7	76.1	75.4
20% Exceedance	68.7	60.0	53.0	50.6	51.5	61.6	64.9	69.5	72.1	72.9	74.5	74.6
30% Exceedance	67.9	59.1	52.5	49.8	51.0	59.4	60.8	67.9	71.1	72.4	73.9	73.8
40% Exceedance	67.4	58.8	51.8	49.3	50.6	57.1	59.0	66.8	70.2	71.9	73.5	73.0
50% Exceedance	66.9	58.2	51.4	48.4	49.4	55.2	58.2	65.6	69.2	71.5	73.2	72.5
60% Exceedance	66.0	57.9	50.8	47.8	48.7	54.2	57.4	64.5	68.6	70.9	72.6	72.1
70% Exceedance	65.4	57.6	50.5	47.0	48.3	53.2	56.9	62.6	67.8	70.4	71.8	71.2
80% Exceedance	64.7	57.1	49.5	46.5	47.6	52.1	56.0	61.2	66.6	69.9	71.2	70.5
90% Exceedance	64.2	56.0	48.6	45.6	47.2	50.9	54.3	59.1	65.7	69.2	69.8	70.0
Full Simulation Period Average^a	66.9	58.4	51.3	48.6	50.0	56.5	60.3	65.9	69.6	71.8	73.1	72.6
Wet Years (28%)	66.9	58.3	51.3	46.9	47.8	52.2	56.2	61.6	66.9	71.4	72.9	71.6
Above Normal Years (14%)	65.8	57.1	51.3	48.7	49.3	54.9	60.0	65.4	68.5	70.5	72.1	71.1
Below Normal Years (18%)	66.0	58.2	51.1	48.8	50.0	57.7	61.3	65.7	69.2	70.4	71.5	71.3
Dry Years (24%)	66.5	58.0	50.8	49.0	50.4	58.6	62.6	66.5	71.2	71.3	73.5	74.0
Critical Years (16%)	69.4	60.4	52.5	50.5	54.0	61.0	63.0	73.1	73.5	75.9	75.2	74.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-1 c. American River at the Mouth, ALT1 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.8	0.4	-0.1	0.1	-0.2	4.2	5.3	3.6	-1.6	-0.9	0.6	1.6
20% Exceedance	0.7	0.2	0.2	0.4	-0.5	3.2	1.2	0.4	-1.8	-1.2	0.1	1.9
30% Exceedance	0.3	-0.2	0.1	0.3	-0.4	1.9	-1.2	-0.4	-0.8	-0.1	0.0	1.6
40% Exceedance	0.5	-0.1	-0.2	0.3	-0.0	1.2	-1.5	-0.1	-0.3	0.2	0.2	1.4
50% Exceedance	0.6	-0.1	-0.2	0.0	-0.0	0.3	-0.9	-0.2	-0.4	0.2	0.4	1.4
60% Exceedance	0.5	0.1	-0.4	0.1	0.2	-0.0	-0.6	0.2	-0.4	-0.1	0.3	1.5
70% Exceedance	0.4	0.1	0.1	-0.0	0.1	0.0	-0.1	-0.0	-0.1	-0.3	0.3	1.0
80% Exceedance	0.2	0.1	-0.2	0.1	-0.1	-0.1	-0.2	-0.1	-0.5	-0.1	0.1	1.1
90% Exceedance	0.5	-0.2	0.5	-0.1	-0.1	0.0	-0.0	0.0	-0.1	-0.2	-0.1	1.3
Full Simulation Period Average^a	0.5	0.1	0.0	0.2	0.0	1.4	0.6	0.5	-0.5	-0.3	0.2	1.4
Wet Years (28%)	0.6	0.0	-0.1	0.1	0.0	0.1	0.3	0.1	-0.1	0.5	0.6	1.0
Above Normal Years (14%)	0.7	0.1	0.2	0.0	-0.0	1.0	1.0	-0.1	-0.6	-0.1	0.5	0.9
Below Normal Years (18%)	0.5	0.1	0.0	0.2	0.1	2.1	1.1	0.2	-1.7	-0.5	-0.5	0.7
Dry Years (24%)	0.1	-0.2	-0.3	0.1	-0.4	2.2	2.0	0.3	0.2	-0.8	0.6	2.6
Critical Years (16%)	0.3	0.5	0.6	0.5	0.8	1.6	-2.0	2.5	-0.9	-0.8	-0.3	1.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-2 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-2 b. American River at the Mouth, Alt2woTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.6	60.8	53.5	51.3	53.2	59.8	64.9	70.6	76.4	75.7	75.6	74.2
20% Exceedance	68.1	59.8	52.8	50.2	51.9	58.9	63.2	68.9	73.7	73.9	74.4	73.2
30% Exceedance	67.8	59.2	52.3	49.8	51.4	57.8	61.1	67.7	72.4	72.6	74.0	72.3
40% Exceedance	67.0	58.8	51.8	48.8	50.7	55.9	59.5	66.7	71.2	72.0	73.7	71.9
50% Exceedance	66.3	58.2	51.5	48.3	49.4	54.8	58.7	65.5	69.7	71.3	72.9	71.4
60% Exceedance	65.7	57.8	50.9	47.7	48.5	54.1	57.5	64.6	69.2	70.9	72.4	70.7
70% Exceedance	65.1	57.5	50.4	46.9	48.2	53.2	57.0	62.8	68.4	70.6	71.7	70.2
80% Exceedance	64.7	56.9	49.6	46.2	47.7	52.2	56.2	61.4	66.8	70.1	71.3	69.4
90% Exceedance	64.0	56.0	48.2	45.7	47.2	50.9	54.3	59.1	66.0	69.5	69.7	68.6
Full Simulation Period Average^a	66.5	58.2	51.2	48.4	50.0	55.3	59.3	65.3	70.4	72.2	73.0	71.3
Wet Years (28%)	66.8	58.3	51.3	46.7	47.7	52.1	56.0	61.5	67.0	71.0	72.3	70.8
Above Normal Years (14%)	65.0	56.9	50.9	48.5	49.3	53.9	58.9	65.4	69.1	70.6	71.8	69.9
Below Normal Years (18%)	65.5	58.1	51.1	48.6	49.8	55.7	60.4	65.3	71.0	71.1	72.0	70.2
Dry Years (24%)	66.2	58.1	50.9	48.9	50.9	56.7	60.6	65.9	71.6	72.0	72.8	71.5
Critical Years (16%)	69.3	59.8	51.9	50.2	53.7	59.7	62.1	71.1	75.0	77.1	76.3	74.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-2 c. American River at the Mouth, Alt2woTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.3	0.4	-0.4	0.1	0.3	0.6	-0.3	0.3	0.6	0.1	0.1	0.4
20% Exceedance	0.1	0.0	-0.1	0.0	-0.1	0.5	-0.6	-0.1	-0.2	-0.2	0.0	0.4
30% Exceedance	0.1	-0.1	-0.1	0.4	-0.1	0.2	-0.9	-0.5	0.5	0.1	0.2	0.1
40% Exceedance	0.0	-0.1	-0.2	-0.2	0.1	0.1	-1.0	-0.2	0.7	0.3	0.3	0.2
50% Exceedance	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.3	0.1	0.1	0.2	0.2
60% Exceedance	0.2	-0.0	-0.2	-0.0	-0.0	-0.1	-0.6	0.3	0.2	-0.1	0.1	0.1
70% Exceedance	0.1	-0.0	-0.0	-0.2	-0.0	0.1	-0.0	0.2	0.4	-0.0	0.2	0.0
80% Exceedance	0.2	-0.1	-0.2	-0.2	-0.1	0.0	0.0	0.1	-0.3	0.1	0.2	0.0
90% Exceedance	0.3	-0.3	0.1	0.0	-0.1	0.0	-0.0	0.0	0.1	0.1	-0.2	-0.1
Full Simulation Period Average^a	0.1	-0.0	-0.1	-0.0	0.1	0.2	-0.4	-0.0	0.3	0.1	0.1	0.1
Wet Years (28%)	0.5	0.0	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	-0.1	0.3
Above Normal Years (14%)	-0.1	-0.1	-0.2	-0.1	-0.0	-0.0	0.0	-0.1	0.0	0.1	0.2	-0.2
Below Normal Years (18%)	0.0	-0.0	0.1	-0.1	-0.1	0.1	0.3	-0.2	0.1	0.2	0.1	-0.3
Dry Years (24%)	-0.2	-0.1	-0.3	0.0	0.1	0.4	0.0	-0.4	0.6	-0.1	-0.2	0.1
Critical Years (16%)	0.2	-0.1	0.0	0.2	0.4	0.3	-2.8	0.5	0.6	0.4	0.9	0.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-3 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-3 b. American River at the Mouth, Alt2wTUCPwoVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.9	53.8	51.3	53.2	59.9	65.9	70.9	76.2	75.5	75.8	74.3
20% Exceedance	68.0	59.7	52.9	50.3	52.0	59.0	64.3	69.0	73.8	73.8	74.4	73.0
30% Exceedance	67.7	59.3	52.5	50.0	51.3	57.8	62.4	67.7	72.4	72.7	73.9	72.3
40% Exceedance	67.1	58.8	52.1	48.9	50.7	56.0	60.4	66.7	71.1	72.0	73.7	71.9
50% Exceedance	66.5	58.3	51.6	48.3	49.4	54.9	59.0	65.5	69.7	71.4	73.2	71.3
60% Exceedance	65.8	57.8	50.9	47.7	48.5	54.2	57.7	64.0	69.0	71.1	72.5	70.7
70% Exceedance	65.3	57.5	50.4	46.9	48.2	53.2	57.0	62.6	68.2	70.8	71.7	70.3
80% Exceedance	64.5	56.9	49.5	46.2	47.7	52.2	56.2	61.3	66.8	70.1	71.3	69.3
90% Exceedance	63.9	56.0	48.2	45.7	47.2	50.9	54.3	59.1	66.0	69.5	69.7	68.8
Full Simulation Period Average^a	66.5	58.3	51.3	48.4	50.0	55.4	59.9	65.2	70.4	72.1	72.9	71.3
Wet Years (28%)	66.8	58.3	51.4	46.7	47.7	52.1	56.0	61.6	67.0	71.1	72.4	70.8
Above Normal Years (14%)	64.9	57.0	50.9	48.7	49.3	53.8	59.0	65.5	69.1	70.6	71.9	70.0
Below Normal Years (18%)	65.4	58.2	51.1	48.6	49.7	55.7	60.5	65.3	71.0	71.2	72.3	70.3
Dry Years (24%)	66.2	58.2	50.9	48.9	50.9	56.8	60.7	65.8	71.7	72.0	72.8	71.5
Critical Years (16%)	68.9	59.7	52.4	50.4	53.7	60.2	65.6	70.5	74.9	76.2	75.7	74.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-3 c. American River at the Mouth, Alt2wTUCPwoVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.0	0.4	-0.1	0.0	0.3	0.7	0.7	0.6	0.3	-0.1	0.3	0.4
20% Exceedance	0.1	0.0	0.0	0.1	0.0	0.6	0.6	-0.1	-0.1	-0.3	-0.0	0.2
30% Exceedance	0.1	0.0	0.1	0.5	-0.1	0.3	0.5	-0.6	0.5	0.2	0.1	0.1
40% Exceedance	0.2	-0.1	0.1	-0.1	0.1	0.1	-0.1	-0.2	0.5	0.3	0.3	0.2
50% Exceedance	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.3	0.1	0.1	0.5	0.2
60% Exceedance	0.3	-0.0	-0.2	0.0	-0.0	-0.0	-0.4	-0.3	0.1	0.1	0.2	0.1
70% Exceedance	0.3	-0.0	0.0	-0.2	-0.0	0.1	-0.0	0.0	0.2	0.1	0.2	0.1
80% Exceedance	-0.0	-0.1	-0.2	-0.2	-0.1	-0.0	-0.0	0.0	-0.3	0.1	0.3	-0.1
90% Exceedance	0.2	-0.3	0.1	0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	-0.3	0.1
Full Simulation Period Average^a	0.1	0.0	-0.0	0.1	0.1	0.2	0.2	-0.1	0.3	0.0	0.1	0.1
Wet Years (28%)	0.5	0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.2	-0.0	0.3
Above Normal Years (14%)	-0.1	-0.0	-0.2	0.0	-0.0	-0.1	0.0	-0.1	0.0	0.1	0.3	-0.1
Below Normal Years (18%)	-0.0	0.1	0.1	-0.0	-0.1	0.1	0.3	-0.2	0.1	0.3	0.3	-0.2
Dry Years (24%)	-0.1	-0.0	-0.2	0.0	0.1	0.4	0.1	-0.4	0.7	-0.1	-0.1	0.1
Critical Years (16%)	-0.1	-0.1	0.6	0.4	0.4	0.8	0.6	-0.0	0.4	-0.4	0.2	0.4

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-4 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-4 b. American River at the Mouth, Alt2woTUCPDeltaVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.9	60.7	53.5	51.2	53.2	59.6	65.5	70.5	76.2	75.9	75.6	73.9
20% Exceedance	68.1	59.7	52.7	50.4	51.9	58.8	63.9	68.9	73.8	73.8	74.4	72.9
30% Exceedance	67.7	59.3	52.2	49.6	51.4	57.5	61.6	67.8	72.0	72.5	74.0	72.2
40% Exceedance	66.8	58.8	51.9	48.8	50.7	55.9	60.0	67.0	71.0	71.8	73.7	71.7
50% Exceedance	66.4	58.2	51.5	48.4	49.4	54.9	58.8	65.6	69.8	71.2	73.1	71.4
60% Exceedance	65.8	57.8	51.0	47.7	48.5	53.9	57.6	64.1	69.1	71.0	72.3	70.6
70% Exceedance	65.2	57.4	50.4	47.0	48.2	53.1	56.9	62.8	68.1	70.5	71.8	69.9
80% Exceedance	64.5	56.9	49.7	46.2	47.6	52.2	56.2	61.4	66.9	70.0	71.2	69.2
90% Exceedance	63.9	55.9	48.4	45.6	47.2	50.9	54.3	59.1	65.8	69.3	70.0	68.6
Full Simulation Period Average^a	66.5	58.2	51.2	48.4	50.0	55.3	59.5	65.4	70.4	72.1	73.0	71.2
Wet Years (28%)	66.7	58.3	51.3	46.8	47.7	52.1	56.0	61.5	67.0	70.9	72.5	70.8
Above Normal Years (14%)	64.9	57.0	50.9	48.7	49.3	53.9	59.0	65.5	69.1	70.6	71.9	70.0
Below Normal Years (18%)	65.5	58.1	51.1	48.6	49.8	55.7	60.5	65.5	71.0	70.9	71.8	70.2
Dry Years (24%)	66.2	58.0	50.9	48.8	50.9	56.6	60.7	66.0	71.5	71.9	73.0	71.3
Critical Years (16%)	69.5	60.0	52.0	50.2	53.7	59.6	63.0	71.0	74.9	77.0	76.0	73.9

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-4 c. American River at the Mouth, Alt2woTUCPDeltaVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.6	0.2	-0.4	-0.0	0.3	0.4	0.3	0.2	0.4	0.3	0.1	0.0
20% Exceedance	0.1	-0.0	-0.2	0.2	-0.1	0.4	0.2	-0.1	-0.0	-0.3	-0.0	0.2
30% Exceedance	0.0	0.0	-0.2	0.1	-0.0	0.0	-0.4	-0.4	0.1	0.0	0.1	0.0
40% Exceedance	-0.1	-0.1	-0.1	-0.2	0.1	0.1	-0.5	0.0	0.5	0.1	0.3	0.0
50% Exceedance	0.1	-0.0	-0.1	-0.1	-0.0	-0.1	-0.2	-0.2	0.2	-0.0	0.4	0.3
60% Exceedance	0.3	-0.0	-0.2	0.0	-0.0	-0.3	-0.5	-0.2	0.1	0.0	0.0	0.0
70% Exceedance	0.2	-0.1	0.0	-0.1	-0.0	-0.1	-0.0	0.2	0.2	-0.1	0.3	-0.3
80% Exceedance	-0.0	-0.0	-0.1	-0.2	-0.1	-0.0	0.0	0.1	-0.2	-0.0	0.1	-0.1
90% Exceedance	0.2	-0.3	0.3	-0.1	-0.1	0.0	-0.0	0.0	-0.1	-0.1	0.0	-0.1
Full Simulation Period Average^a	0.1	-0.0	-0.1	0.0	0.0	0.1	-0.2	0.0	0.2	0.0	0.1	-0.0
Wet Years (28%)	0.4	-0.0	-0.1	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.1	0.2
Above Normal Years (14%)	-0.1	-0.0	-0.2	-0.0	-0.0	-0.0	0.1	-0.1	0.0	0.1	0.3	-0.2
Below Normal Years (18%)	0.0	-0.0	0.0	-0.1	-0.1	0.1	0.4	0.0	0.1	0.1	-0.2	-0.3
Dry Years (24%)	-0.1	-0.2	-0.3	-0.1	-0.0	0.3	0.1	-0.2	0.5	-0.2	0.0	-0.1
Critical Years (16%)	0.4	0.1	0.2	0.2	0.4	0.2	-2.0	0.4	0.5	0.3	0.5	0.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-5 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-5 b. American River at the Mouth, Alt2woTUCPAIIVA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.9	60.7	53.6	51.1	53.4	59.4	64.1	70.0	75.7	75.9	75.6	74.1
20% Exceedance	68.1	59.7	52.7	50.2	51.9	58.5	62.9	68.9	74.0	73.8	74.6	73.0
30% Exceedance	67.8	59.2	52.3	49.4	51.4	57.5	61.1	68.1	71.9	72.4	74.0	72.5
40% Exceedance	67.0	58.8	51.9	48.8	50.6	55.7	59.4	67.0	71.0	71.9	73.5	71.8
50% Exceedance	66.6	58.3	51.5	48.4	49.3	54.5	58.6	65.6	69.7	71.4	73.0	71.5
60% Exceedance	65.9	57.9	50.9	47.8	48.6	53.9	57.4	64.1	68.8	70.9	72.4	70.7
70% Exceedance	65.5	57.4	50.4	47.1	48.2	53.2	56.9	62.7	68.0	70.6	71.6	70.3
80% Exceedance	64.8	57.0	49.8	46.5	47.7	52.2	56.2	61.4	67.0	70.0	71.2	69.6
90% Exceedance	64.1	55.9	48.4	45.7	47.2	50.9	54.3	59.2	65.8	69.6	70.2	68.6
Full Simulation Period Average^a	66.7	58.2	51.2	48.4	50.0	55.1	59.1	65.2	70.3	72.1	72.9	71.4
Wet Years (28%)	66.7	58.3	51.3	46.8	47.7	52.1	55.9	61.5	66.9	70.9	72.4	70.8
Above Normal Years (14%)	65.1	56.9	51.0	48.7	49.3	53.8	58.9	65.3	69.0	70.6	71.6	70.1
Below Normal Years (18%)	65.6	58.0	50.9	48.6	49.8	55.6	60.2	65.5	71.0	71.0	72.2	70.8
Dry Years (24%)	66.6	58.2	51.0	49.0	50.9	56.4	60.3	66.0	71.4	72.0	72.8	71.5
Critical Years (16%)	69.3	59.8	52.0	50.1	53.4	59.2	61.6	70.3	74.9	76.9	76.0	73.8

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-5 c. American River at the Mouth, Alt2woTUCPAIIVA Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.6	0.2	-0.3	-0.1	0.5	0.2	-1.1	-0.3	-0.1	0.3	0.1	0.3
20% Exceedance	0.1	-0.1	-0.2	-0.0	-0.1	0.1	-0.8	-0.2	0.2	-0.3	0.2	0.3
30% Exceedance	0.1	-0.1	-0.1	-0.1	-0.0	0.0	-0.9	-0.1	-0.0	-0.0	0.2	0.3
40% Exceedance	0.0	-0.1	-0.1	-0.2	-0.0	-0.1	-1.1	0.1	0.4	0.2	0.1	0.1
50% Exceedance	0.3	0.0	-0.1	-0.0	-0.2	-0.5	-0.5	-0.2	0.1	0.2	0.3	0.4
60% Exceedance	0.4	0.1	-0.3	0.1	0.0	-0.3	-0.6	-0.2	-0.1	-0.1	0.1	0.1
70% Exceedance	0.6	-0.1	-0.1	0.1	0.0	0.0	-0.1	0.1	0.0	-0.1	0.1	0.1
80% Exceedance	0.3	0.0	0.1	0.1	-0.1	-0.0	0.0	0.1	-0.1	-0.0	0.1	0.2
90% Exceedance	0.4	-0.3	0.3	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.2	0.2	-0.1
Full Simulation Period Average^a	0.3	-0.0	-0.1	0.0	0.0	-0.0	-0.6	-0.1	0.2	0.0	0.1	0.1
Wet Years (28%)	0.5	-0.0	-0.1	0.0	0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.1	0.2
Above Normal Years (14%)	0.0	-0.1	-0.1	-0.0	-0.0	-0.1	-0.0	-0.2	-0.1	0.1	0.0	-0.1
Below Normal Years (18%)	0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.1	0.1	0.1	0.1	0.2	0.2
Dry Years (24%)	0.2	0.0	-0.2	0.1	0.1	0.1	-0.3	-0.2	0.4	-0.1	-0.2	0.1
Critical Years (16%)	0.3	-0.1	0.2	0.1	0.2	-0.2	-3.4	-0.2	0.4	0.3	0.6	0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-6 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-6 b. American River at the Mouth, ALT3, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.7	60.8	54.4	51.1	54.0	58.9	63.2	70.7	77.5	75.7	76.0	74.0
20% Exceedance	68.4	59.8	53.1	50.2	51.8	57.6	60.4	69.3	75.7	74.2	74.4	73.1
30% Exceedance	67.7	59.1	52.4	49.5	51.1	56.5	59.4	68.3	74.2	73.4	73.6	72.3
40% Exceedance	67.1	58.8	52.0	48.9	50.7	55.2	58.3	67.3	73.3	72.5	73.1	71.8
50% Exceedance	66.6	58.4	51.5	48.5	49.4	54.5	57.7	65.6	72.4	71.8	72.3	71.0
60% Exceedance	66.0	58.0	51.1	47.9	48.7	54.1	57.3	64.4	71.3	71.3	71.7	70.6
70% Exceedance	65.5	57.6	50.7	47.4	48.3	53.1	56.8	62.9	69.8	70.9	70.9	70.1
80% Exceedance	64.8	57.3	50.0	46.6	47.7	52.2	55.9	61.6	68.0	70.7	70.4	69.1
90% Exceedance	64.4	56.5	48.8	45.9	47.2	50.9	54.3	59.2	66.3	69.9	69.4	68.6
Full Simulation Period Average^a	66.8	58.4	51.6	48.5	50.1	54.8	58.5	65.5	72.0	72.6	72.6	71.3
Wet Years (28%)	66.6	58.3	51.5	46.9	47.8	52.0	55.6	61.7	68.0	71.1	72.0	70.7
Above Normal Years (14%)	65.6	56.7	50.9	48.7	49.3	53.4	57.6	65.6	72.0	71.4	70.8	70.3
Below Normal Years (18%)	66.3	58.8	51.7	48.7	50.0	54.7	58.0	65.8	73.0	72.1	71.8	70.6
Dry Years (24%)	66.4	58.5	51.6	48.8	50.8	56.2	59.1	66.7	73.4	72.4	72.6	71.3
Critical Years (16%)	69.4	59.6	52.1	50.4	53.6	59.1	63.7	70.0	75.7	76.9	75.9	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-6 c. American River at the Mouth, ALT3 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.5	0.4	0.5	-0.1	1.1	-0.3	-2.0	0.4	1.7	0.2	0.5	0.1
20% Exceedance	0.4	0.1	0.3	0.0	-0.2	-0.8	-3.3	0.2	1.8	0.1	0.0	0.4
30% Exceedance	0.1	-0.2	0.0	0.1	-0.4	-1.0	-2.6	0.1	2.4	1.0	-0.2	0.1
40% Exceedance	0.1	-0.1	-0.0	-0.1	0.1	-0.7	-2.1	0.4	2.8	0.8	-0.3	0.1
50% Exceedance	0.2	0.1	-0.1	0.1	-0.1	-0.4	-1.3	-0.2	2.9	0.5	-0.4	-0.1
60% Exceedance	0.5	0.1	-0.0	0.2	0.1	-0.1	-0.8	0.1	2.4	0.3	-0.6	0.0
70% Exceedance	0.6	0.1	0.3	0.3	0.2	-0.0	-0.2	0.3	1.8	0.3	-0.6	-0.0
80% Exceedance	0.3	0.3	0.2	0.3	-0.0	0.0	-0.2	0.3	0.9	0.6	-0.6	-0.2
90% Exceedance	0.7	0.3	0.7	0.2	-0.1	0.0	0.0	0.0	0.5	0.5	-0.6	-0.1
Full Simulation Period Average^a	0.4	0.1	0.3	0.1	0.1	-0.3	-1.2	0.1	1.8	0.5	-0.3	0.1
Wet Years (28%)	0.3	0.0	0.1	0.2	0.1	-0.1	-0.4	0.2	1.1	0.2	-0.4	0.2
Above Normal Years (14%)	0.6	-0.2	-0.2	0.1	-0.1	-0.5	-1.3	0.0	2.9	0.9	-0.8	0.2
Below Normal Years (18%)	0.8	0.7	0.6	0.1	0.2	-0.9	-2.1	0.3	2.1	1.2	-0.2	0.0
Dry Years (24%)	0.1	0.3	0.4	-0.1	-0.1	-0.1	-1.5	0.5	2.4	0.3	-0.4	-0.1
Critical Years (16%)	0.3	-0.2	0.3	0.4	0.4	-0.3	-1.3	-0.6	1.2	0.2	0.5	-0.1

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-7 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-7 b. American River at the Mouth, ALT4, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	68.1	59.4	55.2	51.8	54.5	60.8	67.3	72.2	75.5	74.3	74.8	73.3
20% Exceedance	66.0	57.8	54.2	51.0	52.3	59.6	65.8	70.4	73.5	72.6	72.2	71.9
30% Exceedance	65.1	57.2	53.4	50.6	51.4	58.3	64.0	69.1	71.4	70.9	71.7	70.3
40% Exceedance	64.2	56.7	52.9	49.5	50.7	56.6	62.0	67.5	70.2	70.6	71.4	69.7
50% Exceedance	63.6	56.5	52.2	48.9	49.6	55.2	61.1	65.9	69.6	70.3	70.9	69.3
60% Exceedance	63.4	56.4	51.8	48.1	48.8	54.2	59.4	64.7	68.9	69.9	70.7	68.9
70% Exceedance	63.1	56.2	51.2	47.6	48.4	53.2	57.6	62.5	68.0	69.5	70.4	68.7
80% Exceedance	62.7	55.9	50.7	46.7	47.7	52.2	56.5	61.5	67.3	69.1	69.8	68.3
90% Exceedance	62.2	55.7	49.6	45.8	47.3	50.9	54.3	59.2	66.0	68.6	69.0	67.9
Full Simulation Period Average^a	64.3	56.9	52.3	48.9	50.3	55.7	60.9	65.9	70.2	71.1	71.5	70.0
Wet Years (28%)	63.2	56.4	52.6	47.1	47.8	52.1	56.5	61.8	66.9	70.3	70.7	68.8
Above Normal Years (14%)	63.5	55.4	52.0	49.2	49.3	53.9	60.1	66.0	68.7	69.3	70.5	68.8
Below Normal Years (18%)	63.2	57.0	52.2	49.2	50.1	56.0	61.3	65.9	70.3	69.4	70.7	68.9
Dry Years (24%)	65.0	57.3	52.0	49.5	51.3	57.1	62.4	66.9	71.2	70.9	71.1	70.2
Critical Years (16%)	67.6	58.3	52.7	50.8	54.0	60.9	66.9	71.8	75.3	75.9	74.9	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-7 c. American River at the Mouth, ALT4 Minus NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1.2	-1.0	1.3	0.6	1.6	1.6	2.1	1.9	-0.4	-1.3	-0.7	-0.6
20% Exceedance	-2.0	-2.0	1.4	0.8	0.3	1.2	2.0	1.3	-0.4	-1.5	-2.1	-0.9
30% Exceedance	-2.5	-2.1	1.0	1.1	-0.0	0.8	2.1	0.9	-0.5	-1.5	-2.2	-1.9
40% Exceedance	-2.8	-2.2	0.8	0.6	0.1	0.7	1.5	0.6	-0.3	-1.1	-2.0	-2.0
50% Exceedance	-2.7	-1.7	0.6	0.5	0.1	0.2	2.0	0.1	0.1	-0.9	-1.8	-1.8
60% Exceedance	-2.1	-1.5	0.6	0.4	0.2	-0.0	1.3	0.4	-0.0	-1.1	-1.6	-1.6
70% Exceedance	-1.8	-1.3	0.7	0.5	0.2	0.1	0.6	-0.1	0.0	-1.2	-1.1	-1.5
80% Exceedance	-1.9	-1.0	0.9	0.3	-0.0	-0.0	0.3	0.2	0.2	-1.0	-1.3	-1.0
90% Exceedance	-1.5	-0.6	1.5	0.1	0.0	0.0	0.0	0.0	0.2	-0.8	-1.0	-0.8
Full Simulation Period Average^a	-2.1	-1.4	1.0	0.5	0.3	0.5	1.2	0.6	0.0	-1.0	-1.4	-1.2
Wet Years (28%)	-3.1	-1.8	1.1	0.4	0.1	-0.0	0.5	0.3	0.0	-0.6	-1.7	-1.7
Above Normal Years (14%)	-1.6	-1.6	0.9	0.5	0.0	-0.0	1.1	0.4	-0.4	-1.2	-1.0	-1.4
Below Normal Years (18%)	-2.3	-1.1	1.1	0.5	0.2	0.5	1.2	0.4	-0.6	-1.5	-1.2	-1.6
Dry Years (24%)	-1.3	-0.9	0.8	0.6	0.4	0.7	1.8	0.7	0.2	-1.2	-1.9	-1.2
Critical Years (16%)	-1.5	-1.6	0.9	0.8	0.8	1.5	1.9	1.2	0.8	-0.8	-0.6	-0.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-8 a. American River at the Mouth, NAA, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.3	60.5	53.9	51.2	52.9	59.2	65.2	70.3	75.8	75.6	75.5	73.9
20% Exceedance	68.0	59.7	52.8	50.2	52.0	58.4	63.8	69.1	73.9	74.1	74.4	72.8
30% Exceedance	67.6	59.3	52.4	49.5	51.4	57.5	61.9	68.2	71.9	72.5	73.8	72.2
40% Exceedance	66.9	58.9	52.0	49.0	50.6	55.9	60.5	66.9	70.5	71.7	73.4	71.6
50% Exceedance	66.3	58.2	51.6	48.4	49.5	55.0	59.1	65.8	69.6	71.2	72.7	71.1
60% Exceedance	65.5	57.8	51.1	47.7	48.6	54.2	58.1	64.3	69.0	71.0	72.3	70.6
70% Exceedance	64.9	57.5	50.4	47.1	48.2	53.1	57.0	62.6	68.0	70.6	71.5	70.2
80% Exceedance	64.5	57.0	49.7	46.3	47.7	52.2	56.2	61.3	67.1	70.0	71.1	69.4
90% Exceedance	63.7	56.2	48.1	45.7	47.3	50.9	54.3	59.1	65.8	69.4	70.0	68.7
Full Simulation Period Average^a	66.4	58.3	51.3	48.4	50.0	55.2	59.7	65.4	70.1	72.1	72.8	71.2
Wet Years (28%)	66.3	58.3	51.4	46.8	47.7	52.1	56.0	61.5	66.9	70.9	72.4	70.5
Above Normal Years (14%)	65.0	57.0	51.1	48.7	49.3	53.9	58.9	65.6	69.1	70.5	71.6	70.2
Below Normal Years (18%)	65.5	58.1	51.1	48.7	49.9	55.6	60.1	65.5	70.9	70.9	72.0	70.5
Dry Years (24%)	66.4	58.2	51.1	48.9	50.9	56.3	60.6	66.2	71.0	72.1	73.0	71.4
Critical Years (16%)	69.1	59.8	51.8	50.0	53.2	59.4	65.0	70.6	74.4	76.7	75.4	73.7

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-8 b. American River at the Mouth, Action 5, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	69.4	60.6	53.6	51.2	53.3	59.6	65.2	70.1	76.1	74.8	75.7	74.1
20% Exceedance	68.0	59.8	52.8	50.5	52.0	58.5	63.8	68.8	73.8	73.9	74.6	73.0
30% Exceedance	67.6	59.2	52.5	49.6	51.3	57.7	62.1	67.8	71.9	72.7	74.1	72.4
40% Exceedance	66.9	58.7	52.1	48.9	50.6	56.2	60.6	66.8	70.9	71.9	73.6	71.9
50% Exceedance	66.5	58.1	51.7	48.5	49.4	54.9	59.1	65.4	69.7	71.4	73.1	71.1
60% Exceedance	65.8	57.7	51.1	47.8	48.5	54.3	58.5	63.8	68.9	71.0	72.4	70.6
70% Exceedance	65.0	57.4	50.5	46.9	48.1	53.0	56.9	62.7	67.8	70.6	71.6	69.9
80% Exceedance	64.5	56.9	49.7	46.3	47.6	52.1	56.2	61.4	67.0	70.1	71.1	69.1
90% Exceedance	64.0	55.9	48.4	45.7	47.1	50.9	54.3	59.2	65.9	69.2	70.2	68.6
Full Simulation Period Average^a	66.5	58.2	51.3	48.5	50.0	55.3	59.7	65.1	70.3	72.0	73.0	71.3
Wet Years (28%)	66.3	58.0	51.4	46.7	47.7	52.1	56.0	61.5	66.9	71.0	72.8	70.8
Above Normal Years (14%)	65.5	56.9	51.1	48.8	49.2	53.8	58.9	65.4	69.1	70.7	72.2	70.4
Below Normal Years (18%)	65.5	58.1	50.8	48.7	49.8	55.6	60.3	65.6	70.8	71.1	72.4	70.5
Dry Years (24%)	66.3	58.3	51.2	49.0	50.8	56.5	60.8	65.7	71.4	72.0	72.3	71.1
Critical Years (16%)	69.1	59.6	52.0	50.3	53.8	59.8	64.9	69.7	74.7	75.7	75.8	74.0

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.11-17-8 c. American River at the Mouth, Action 5 Minus NAA, Monthly Temperature (DEG-F)

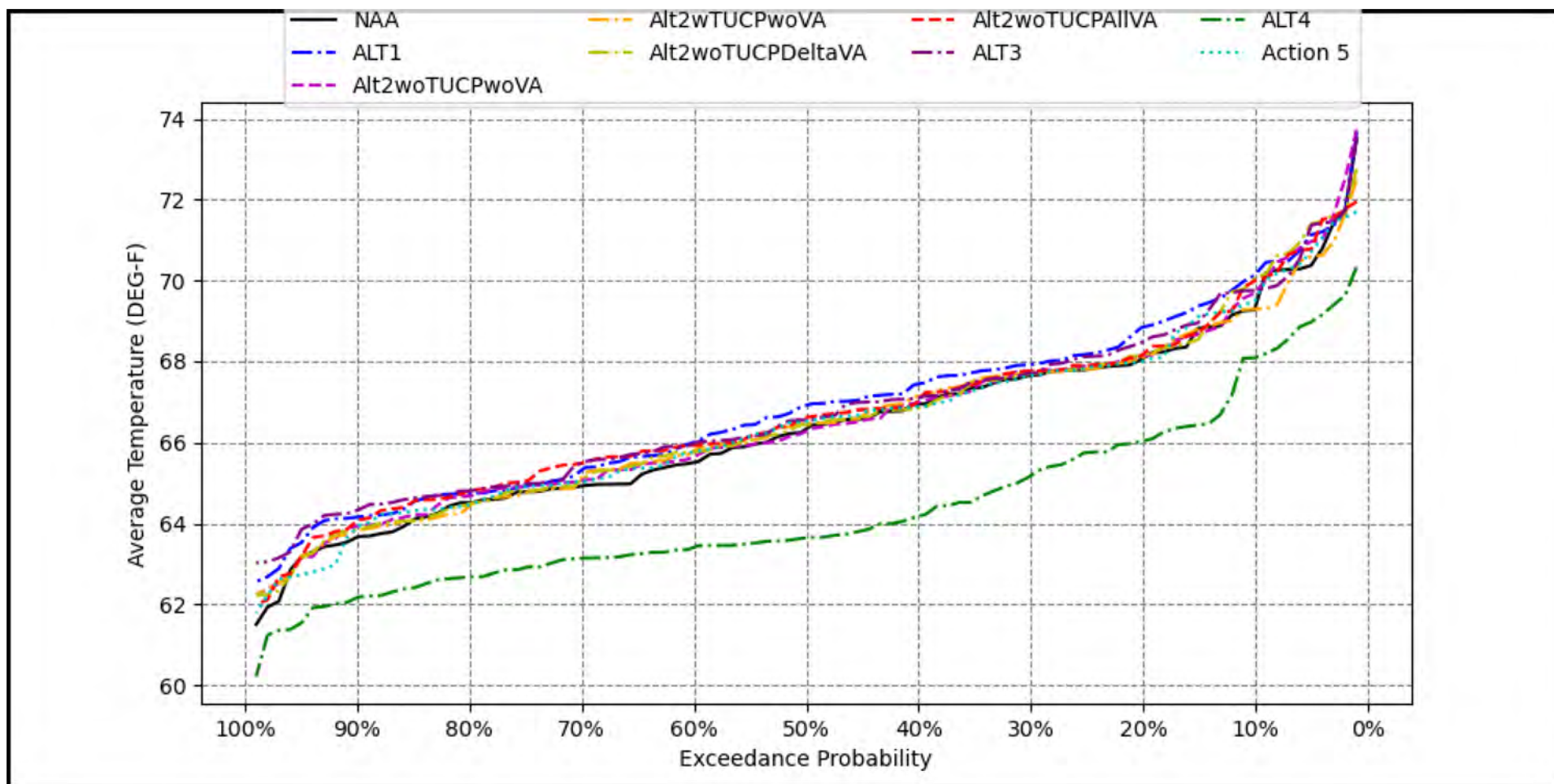
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0.2	0.1	-0.3	-0.1	0.4	0.4	-0.0	-0.2	0.3	-0.8	0.2	0.3
20% Exceedance	-0.0	0.0	-0.0	0.3	-0.0	0.2	0.1	-0.2	-0.0	-0.2	0.2	0.2
30% Exceedance	0.0	-0.1	0.1	0.2	-0.1	0.2	0.2	-0.4	0.1	0.2	0.3	0.2
40% Exceedance	-0.1	-0.2	0.1	-0.0	-0.0	0.3	0.1	-0.2	0.4	0.2	0.2	0.2
50% Exceedance	0.2	-0.1	0.1	0.0	-0.0	-0.0	-0.0	-0.4	0.1	0.2	0.4	-0.0
60% Exceedance	0.3	-0.1	-0.1	0.2	-0.0	0.1	0.4	-0.5	-0.1	0.0	0.1	0.1
70% Exceedance	0.1	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.2	-0.1	0.1	-0.3
80% Exceedance	-0.0	-0.1	-0.0	-0.1	-0.1	-0.0	0.0	0.1	-0.1	0.1	0.1	-0.2
90% Exceedance	0.3	-0.4	0.3	0.0	-0.1	0.0	-0.0	0.1	0.0	-0.1	0.3	-0.1
Full Simulation Period Average^a	0.1	-0.1	-0.0	0.1	0.1	0.1	0.0	-0.3	0.1	-0.1	0.2	0.0
Wet Years (28%)	0.1	-0.2	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.4	0.2
Above Normal Years (14%)	0.5	-0.1	-0.1	0.1	-0.1	-0.1	-0.1	-0.2	-0.0	0.1	0.6	0.3
Below Normal Years (18%)	-0.0	-0.0	-0.3	0.0	-0.1	0.0	0.1	0.1	-0.1	0.2	0.4	-0.1
Dry Years (24%)	-0.0	0.1	0.1	0.1	-0.0	0.2	0.2	-0.5	0.4	-0.1	-0.7	-0.3
Critical Years (16%)	0.0	-0.2	0.2	0.3	0.5	0.4	-0.0	-0.8	0.3	-1.0	0.4	0.2

^a Based on the 98.9-year simulation period.

* All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

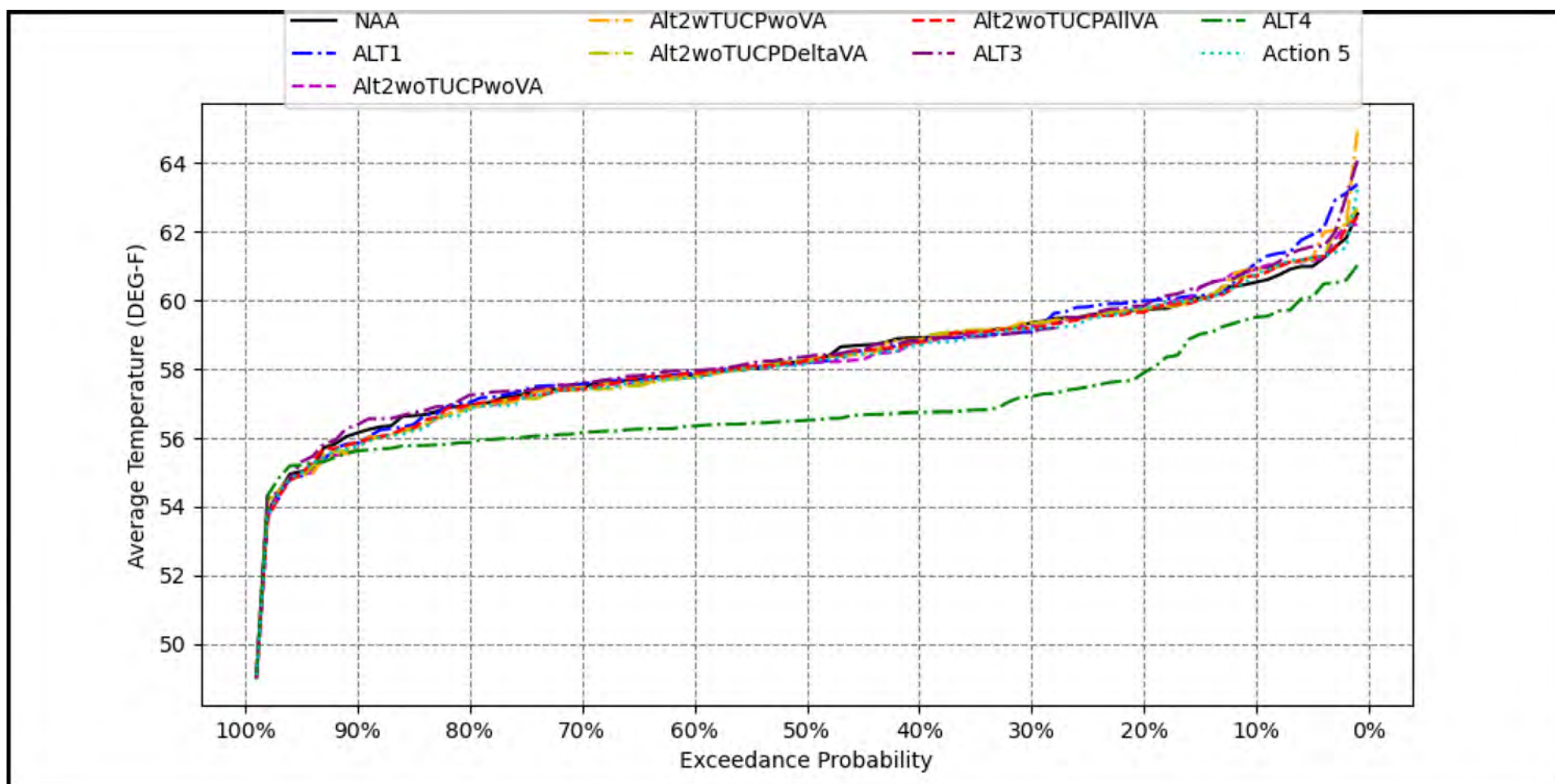
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



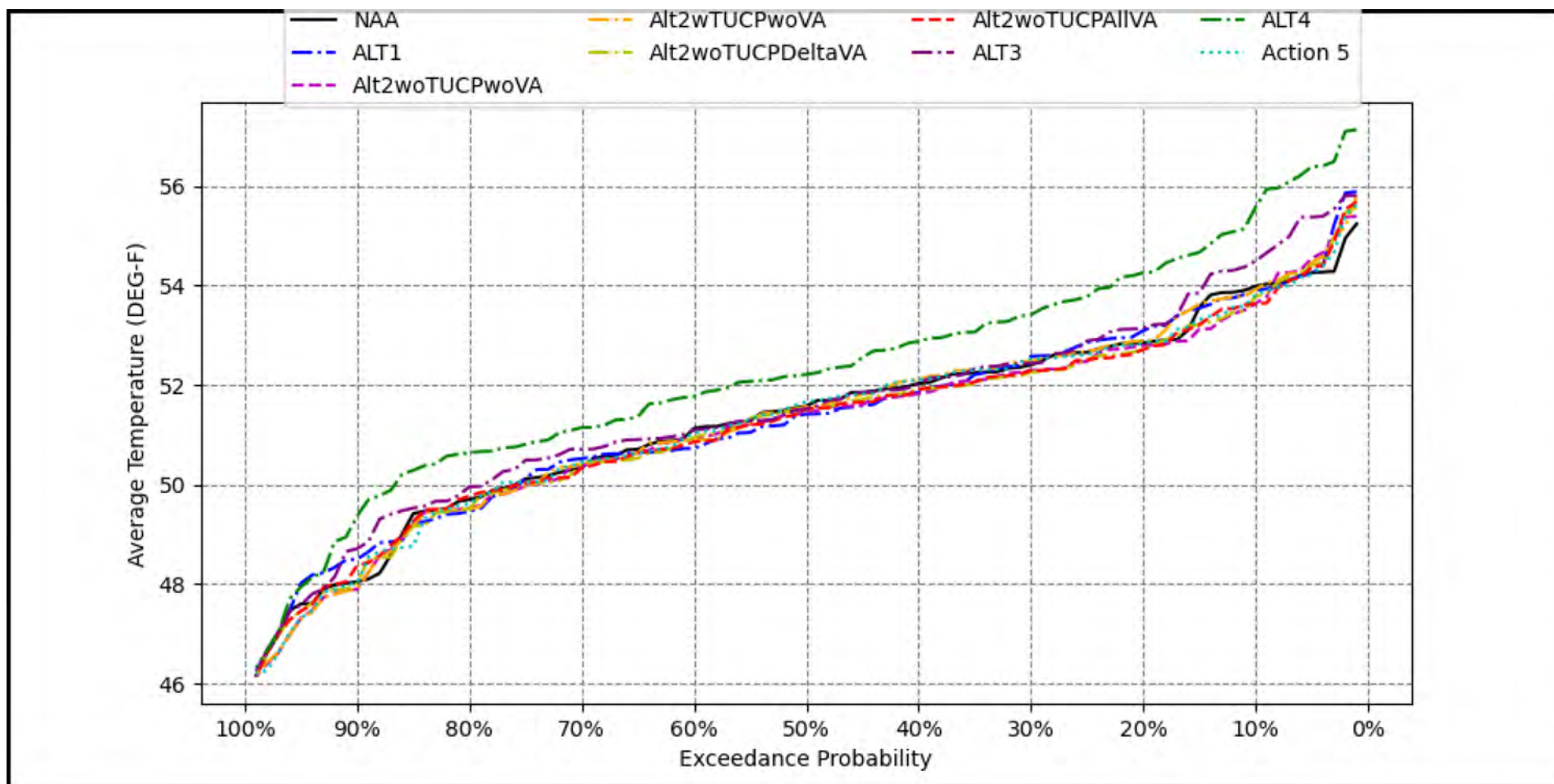
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-1 American River at the Mouth, October Temperature



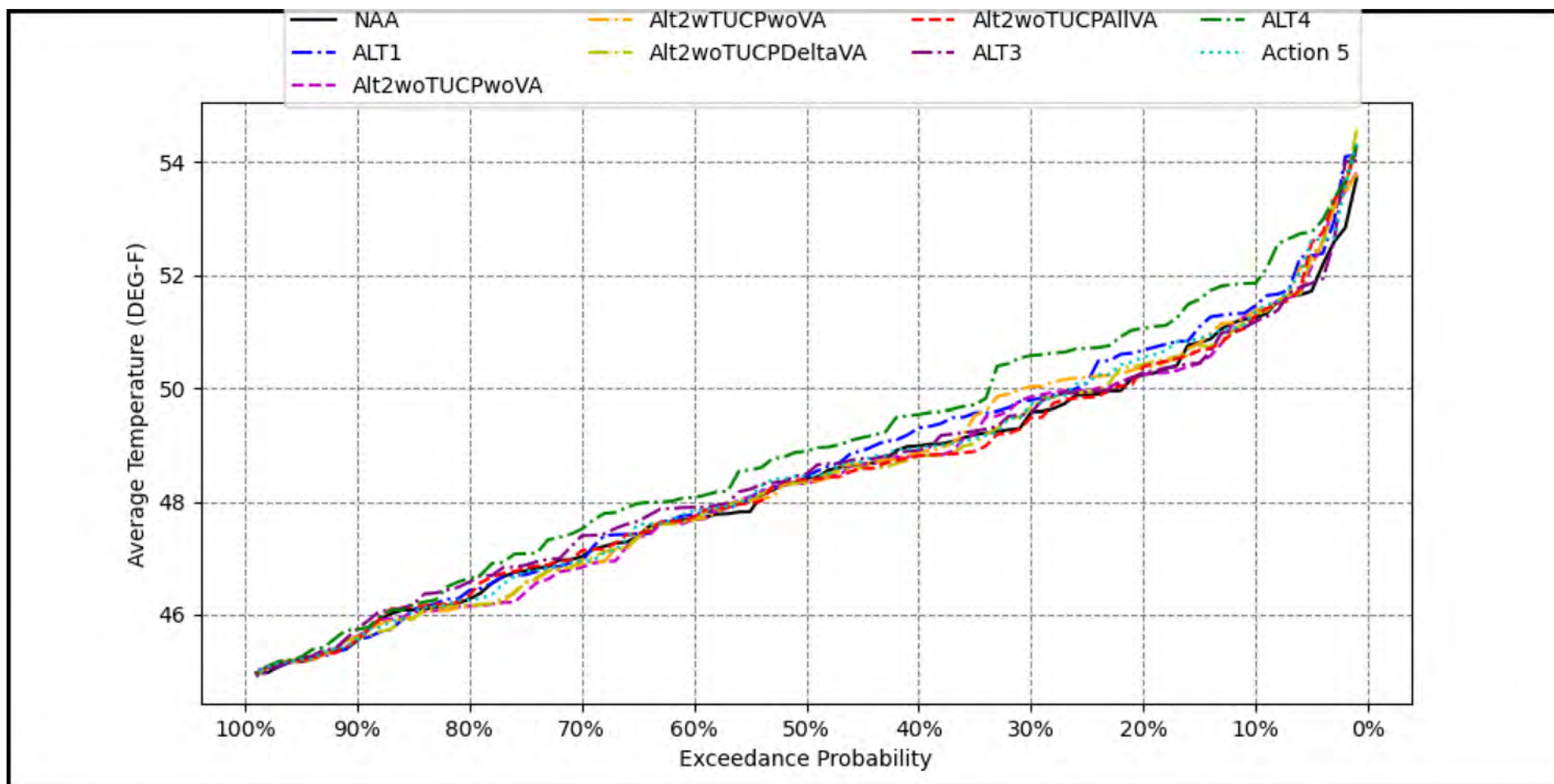
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-2 American River at the Mouth, November Temperature



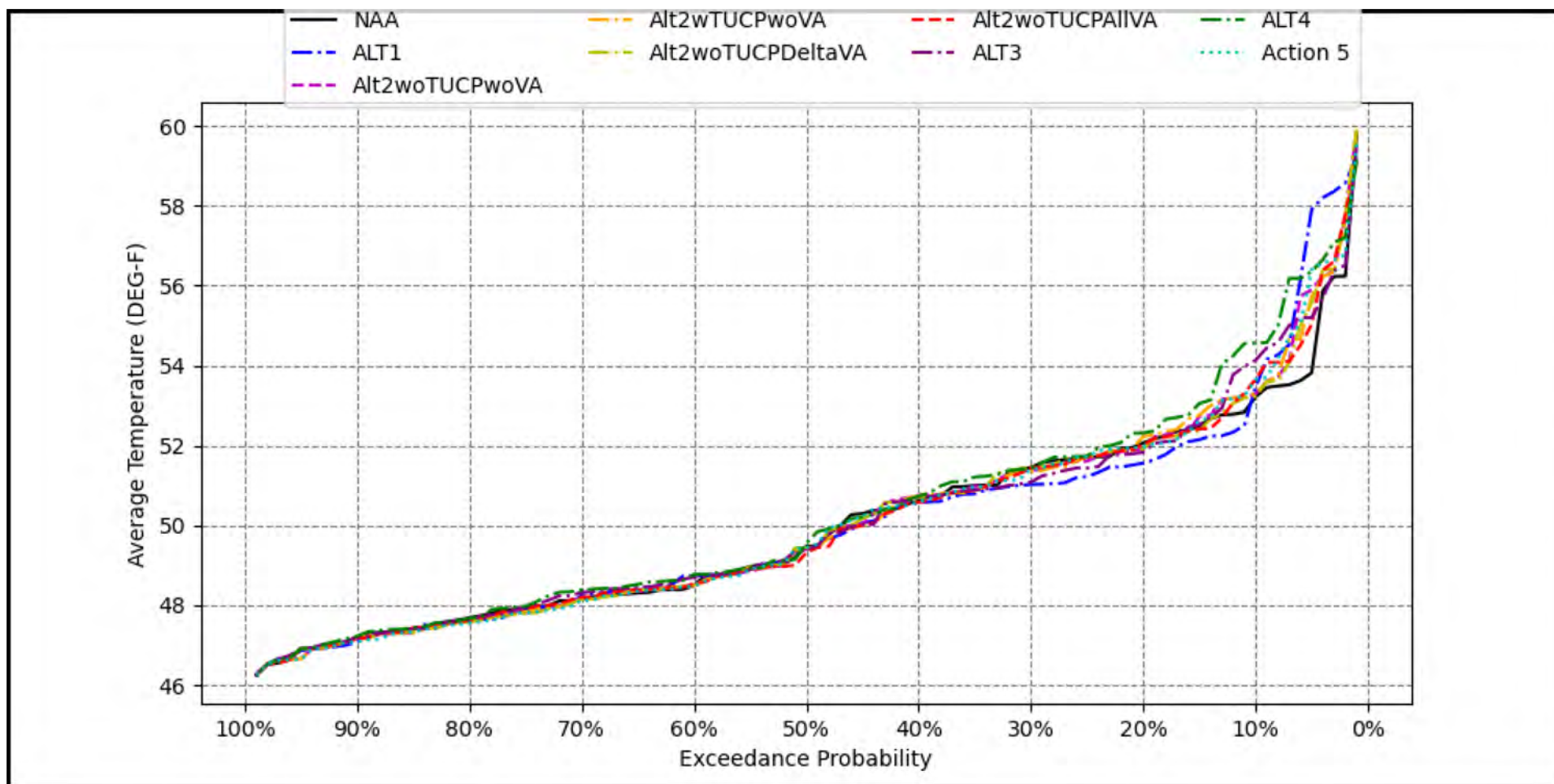
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-3 American River at the Mouth, December Temperature



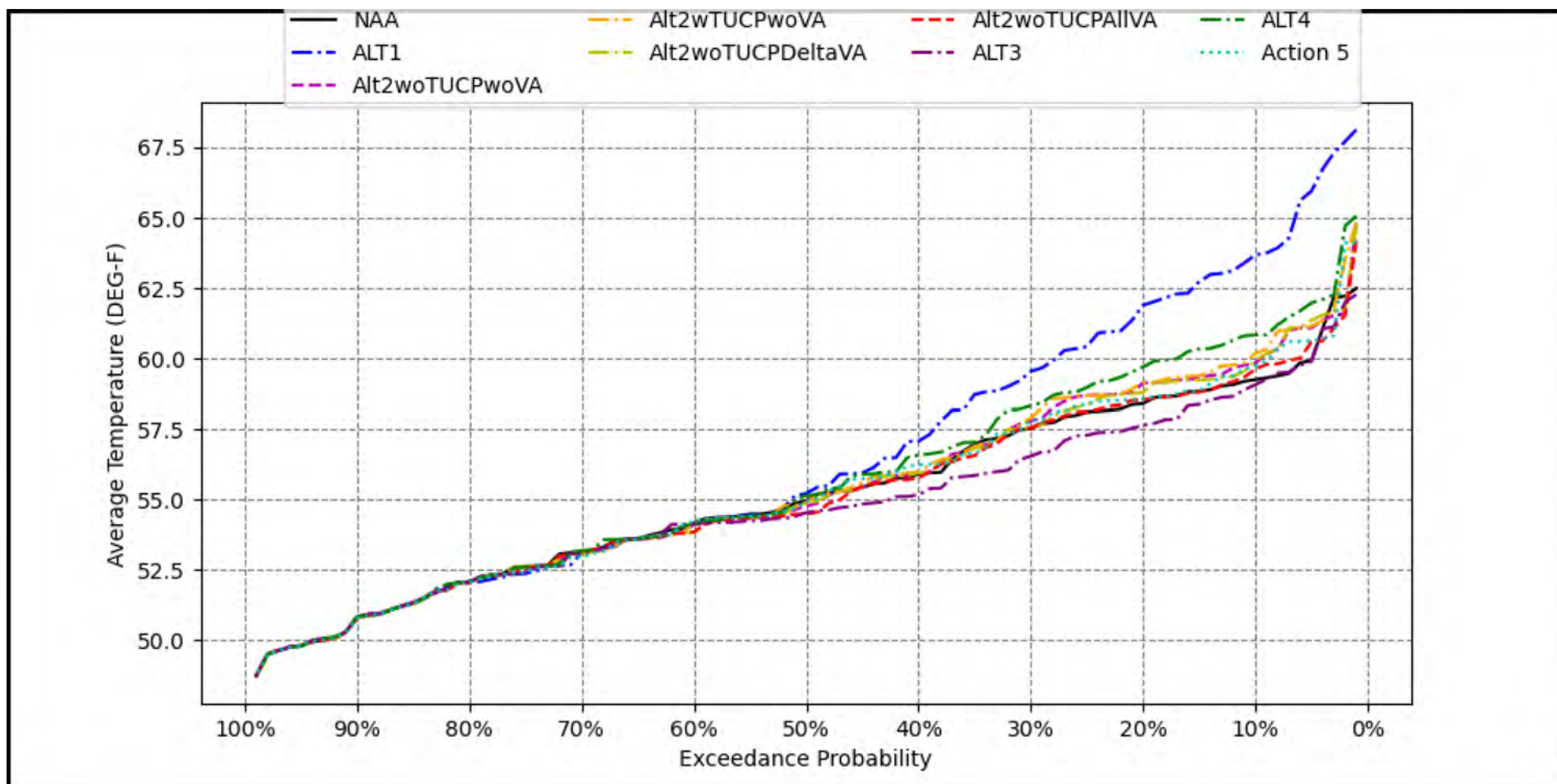
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-4 American River at the Mouth, January Temperature



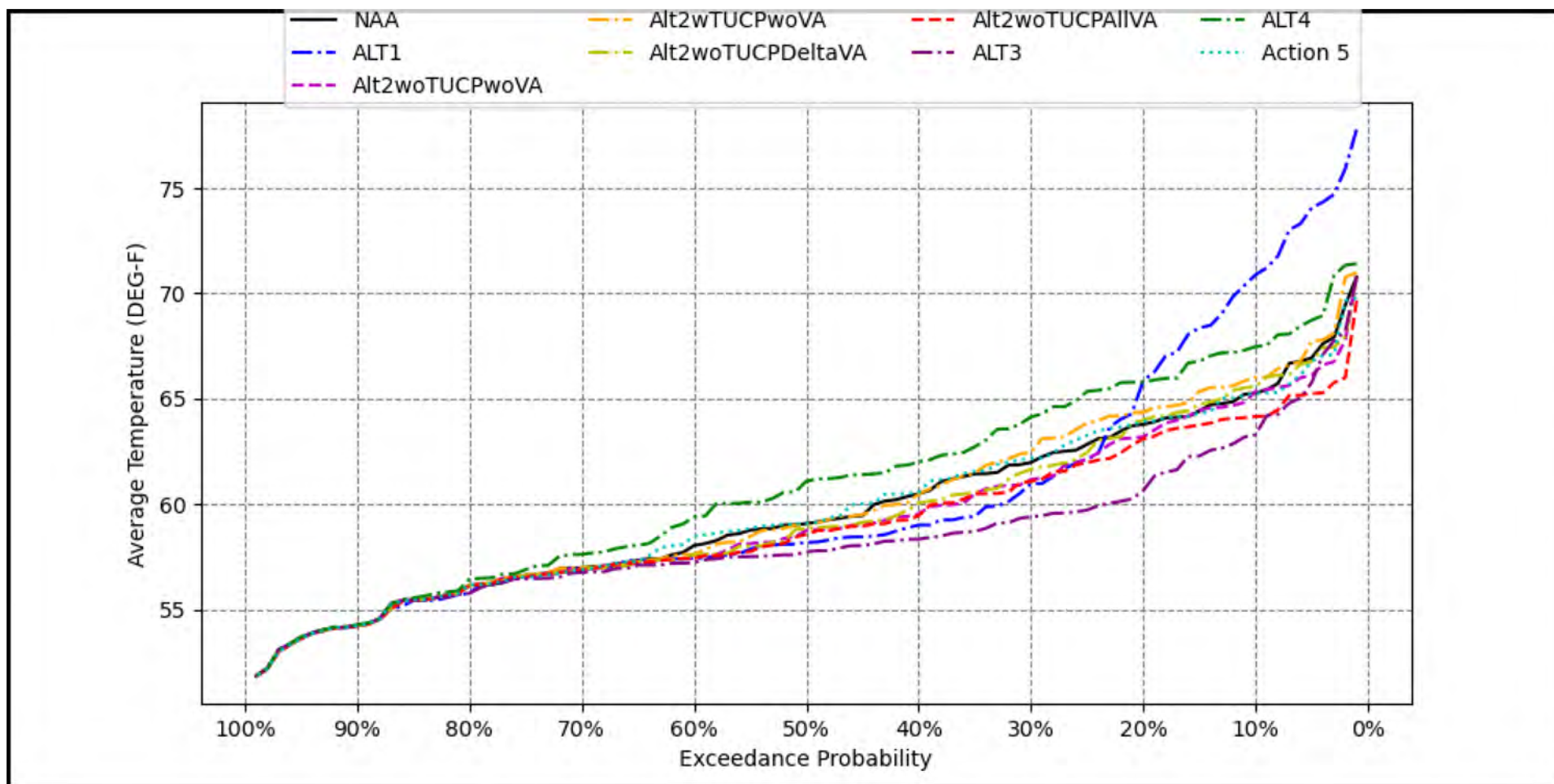
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-5 American River at the Mouth, February Temperature



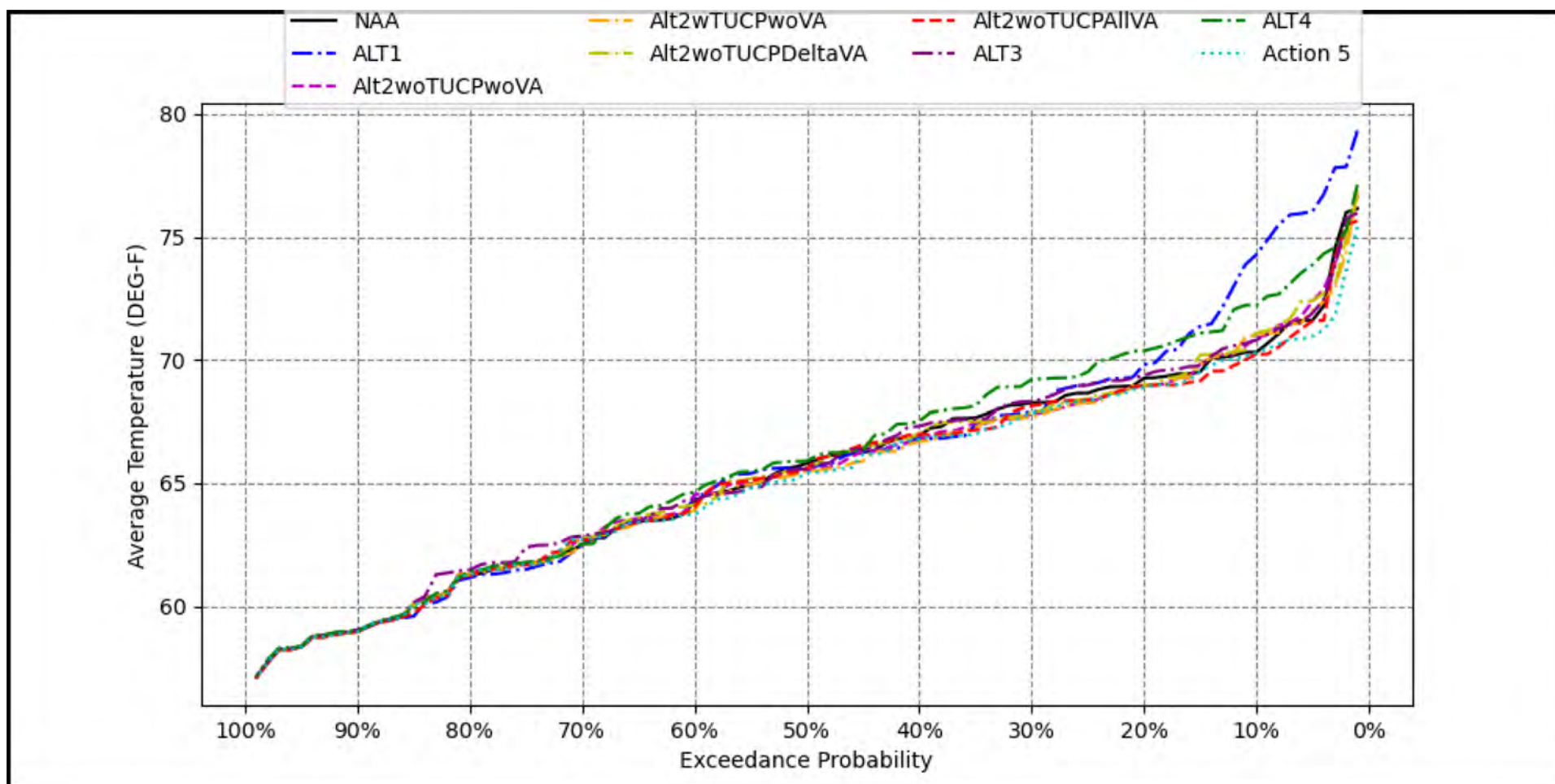
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-6 American River at the Mouth, March Temperature



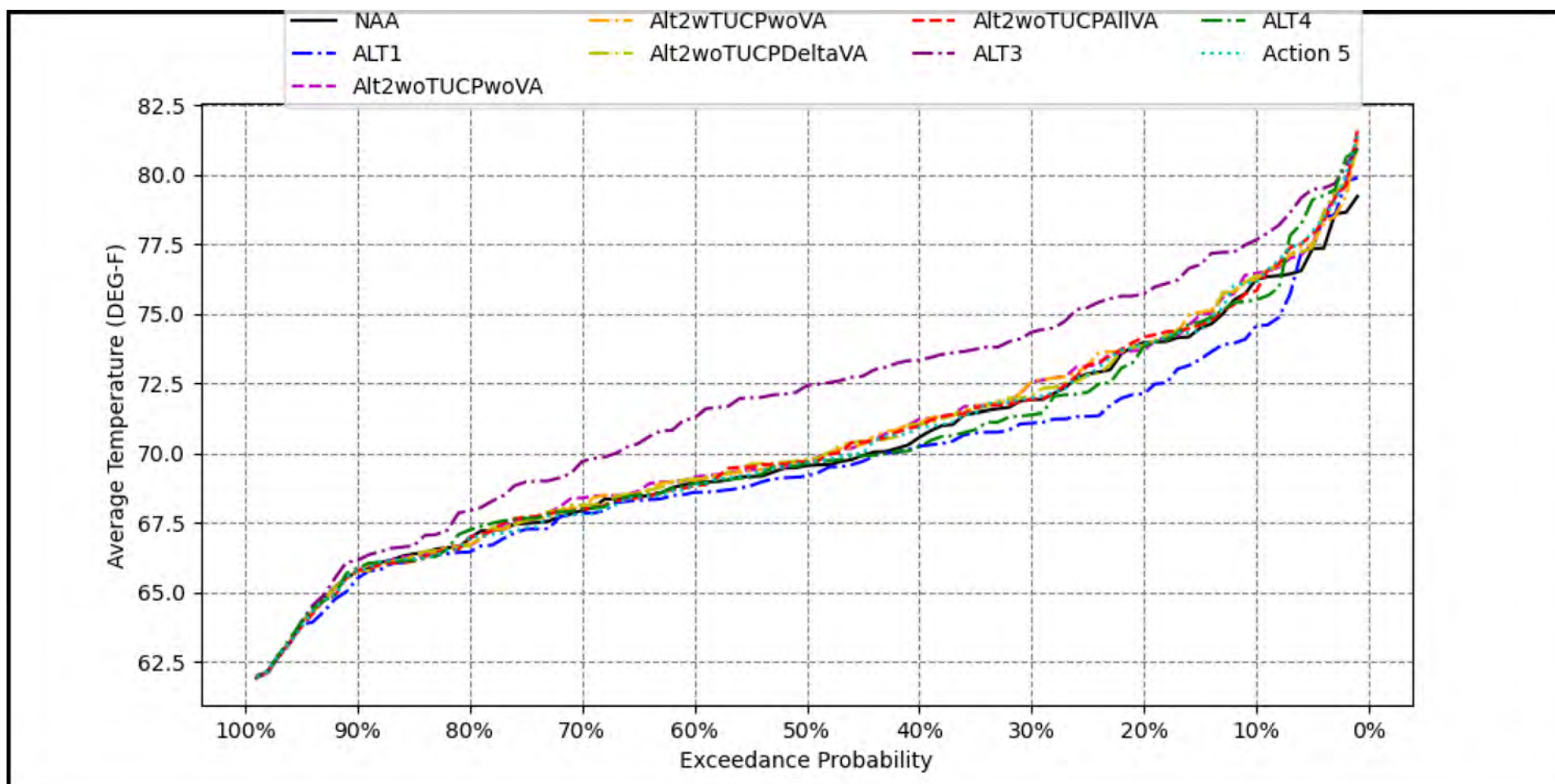
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-7 American River at the Mouth, April Temperature



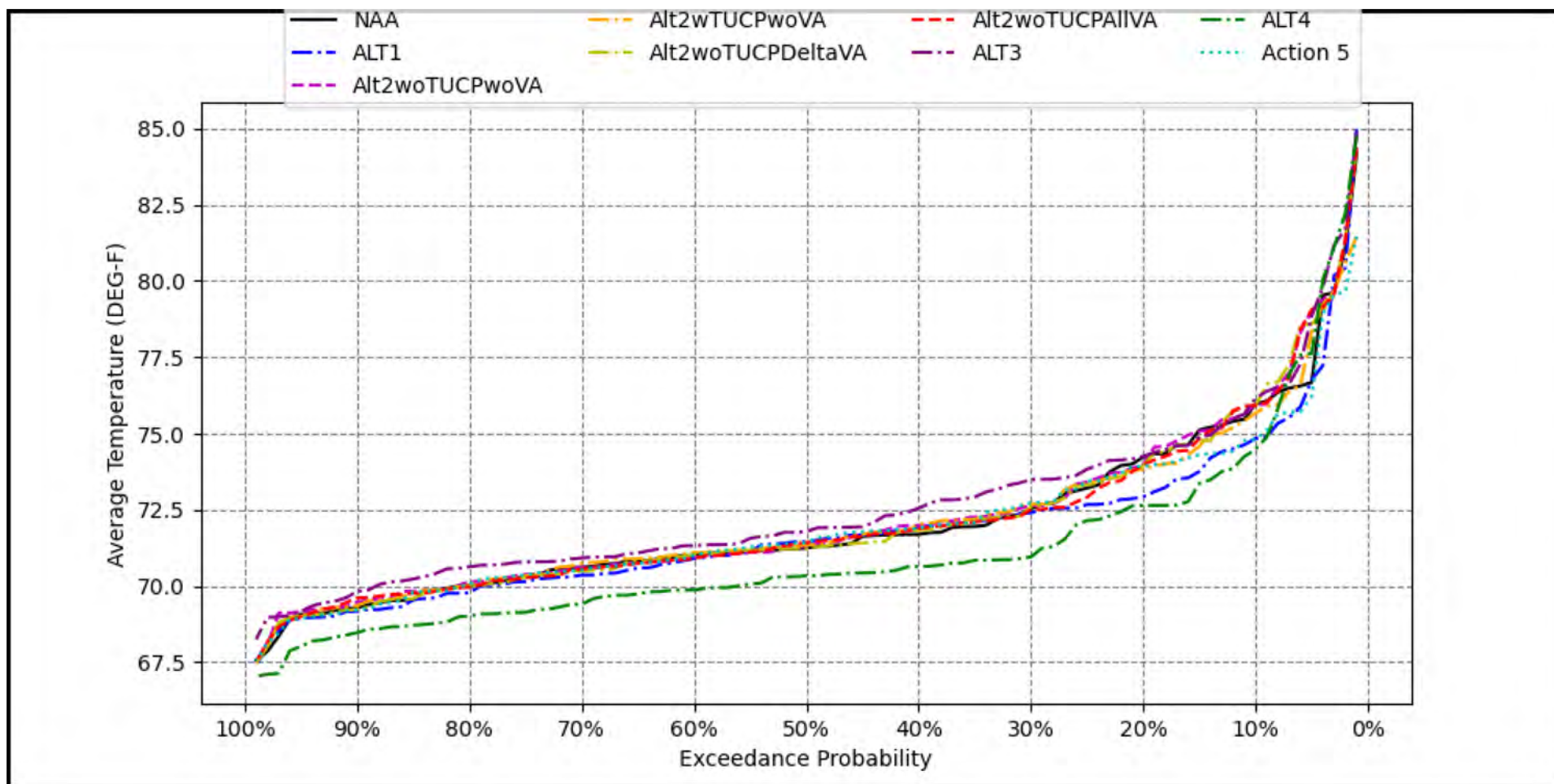
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-8 American River at the Mouth, May Temperature



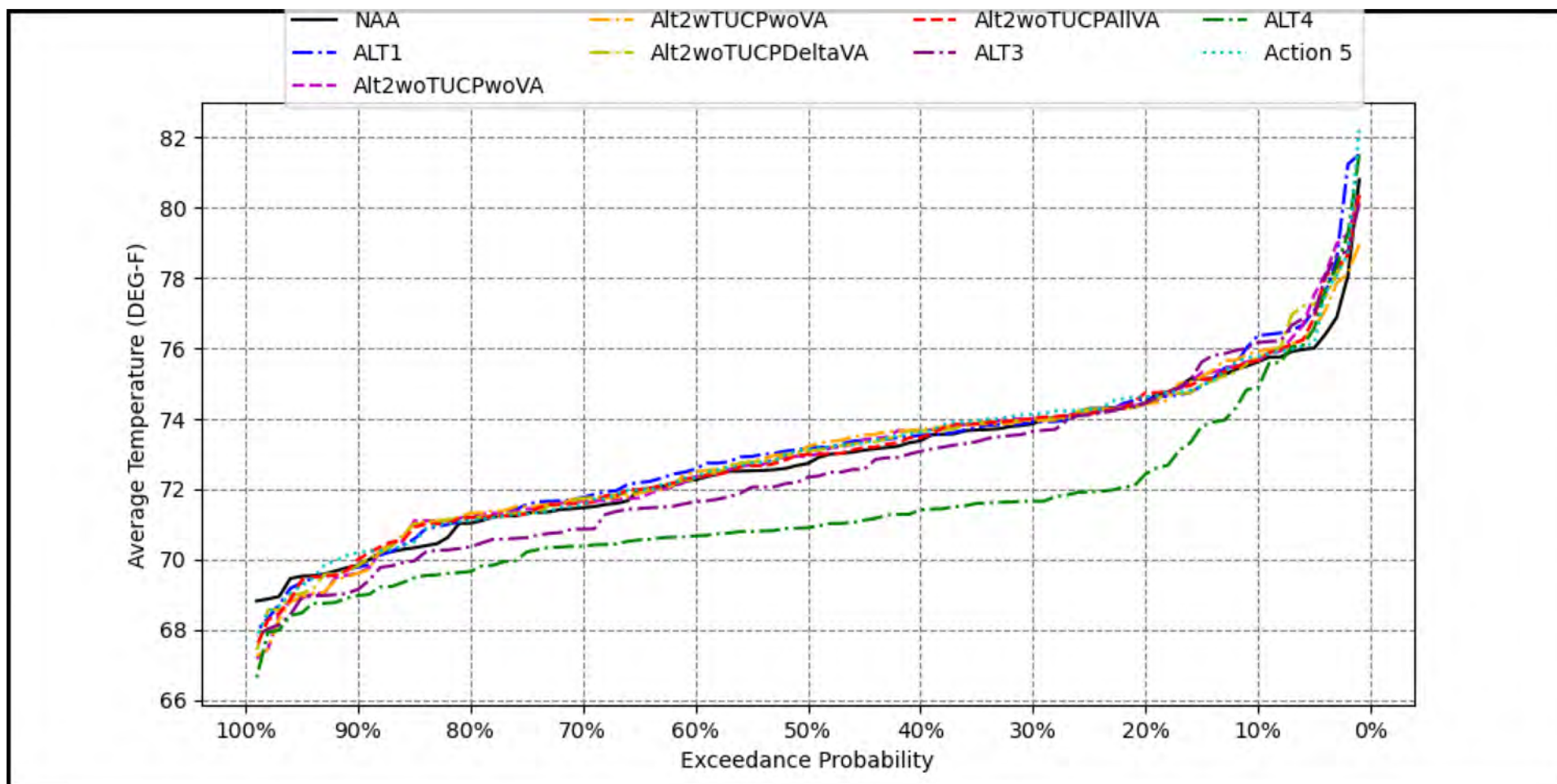
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-9 American River at the Mouth, June Temperature



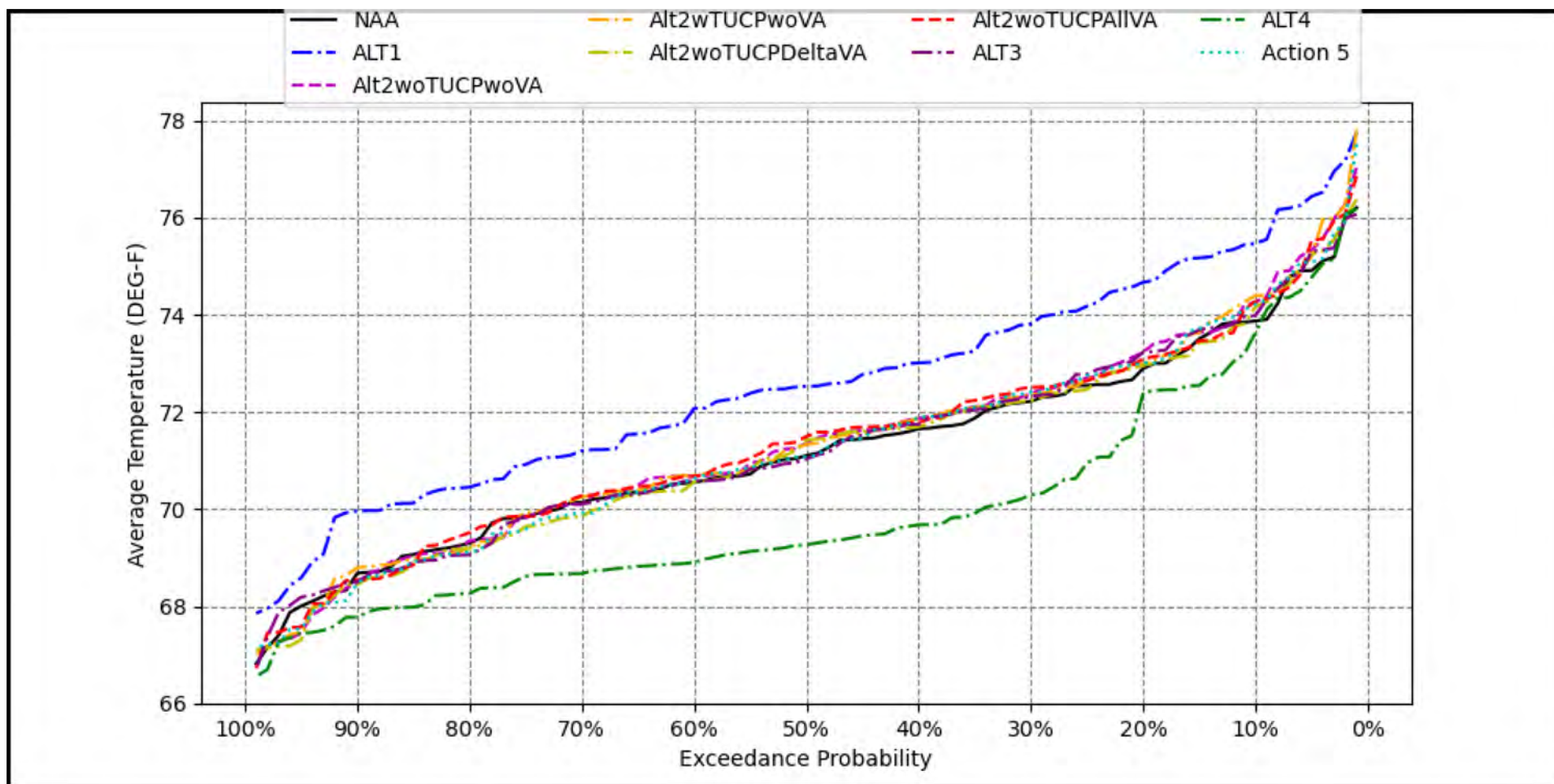
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-10 American River at the Mouth, July Temperature



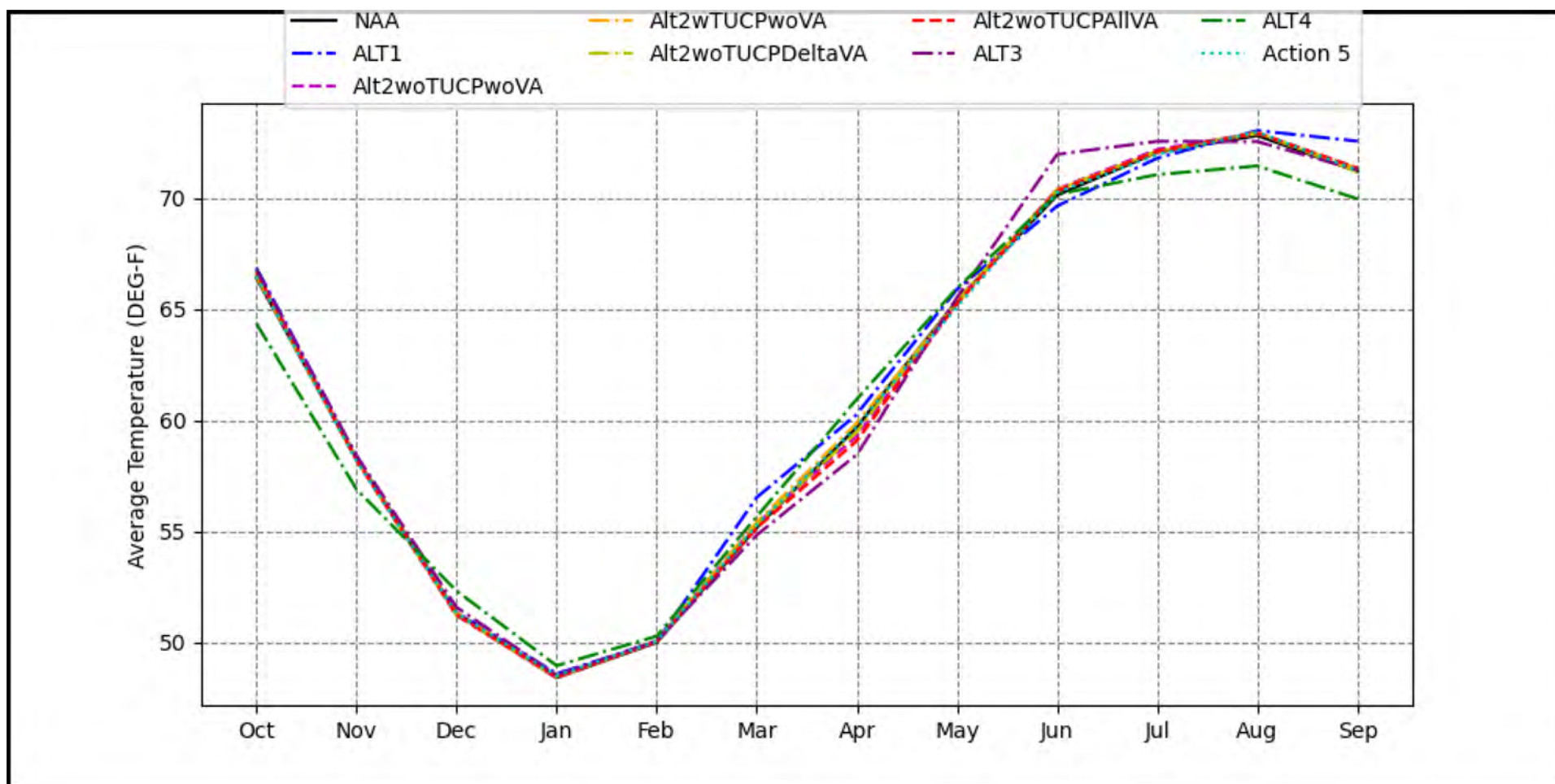
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-11 American River at the Mouth, August Temperature



*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-12 American River at the Mouth, September Temperature

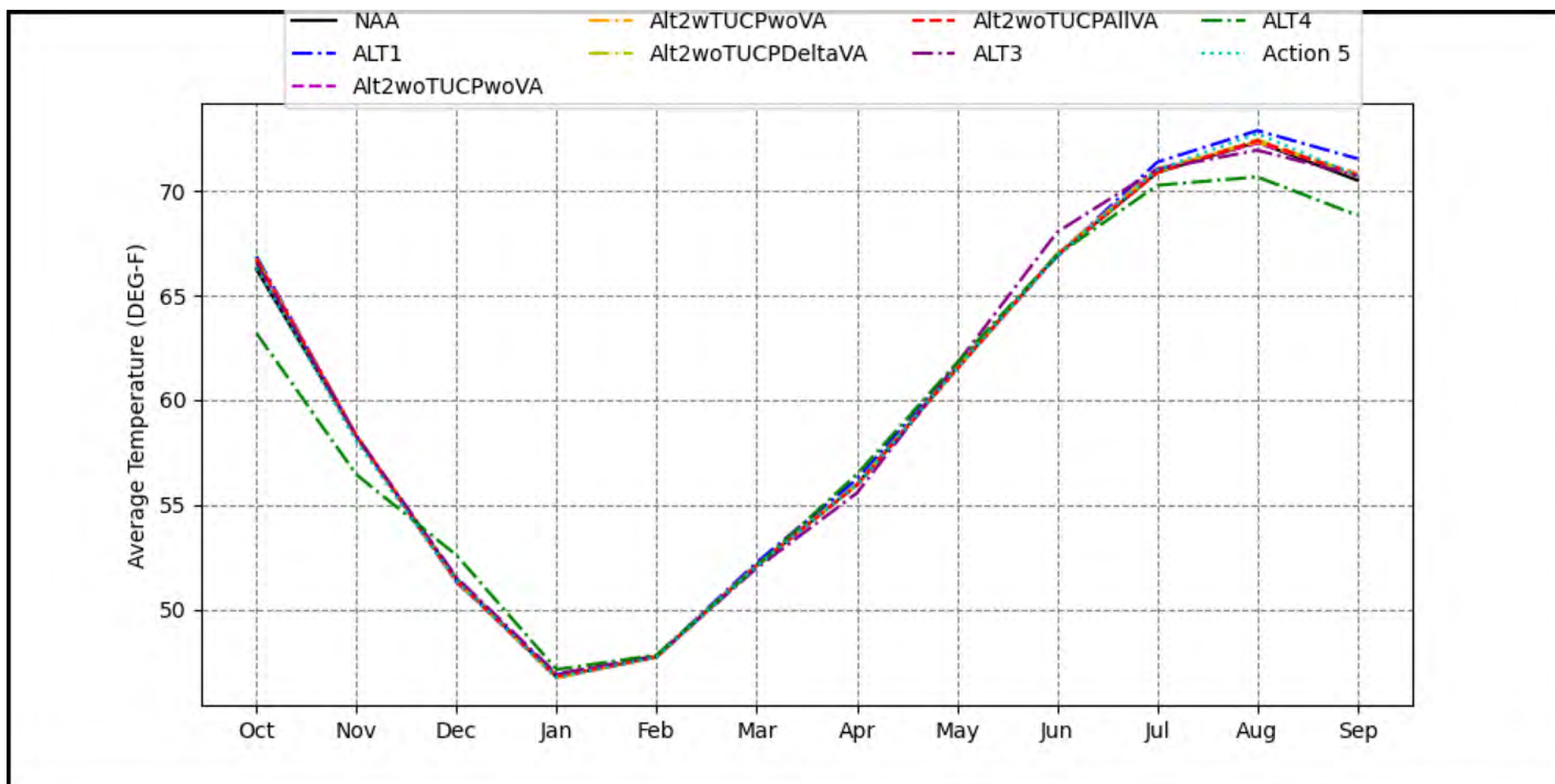


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-13 American River at the Mouth, Long Term Average Temperature (DEG-F)

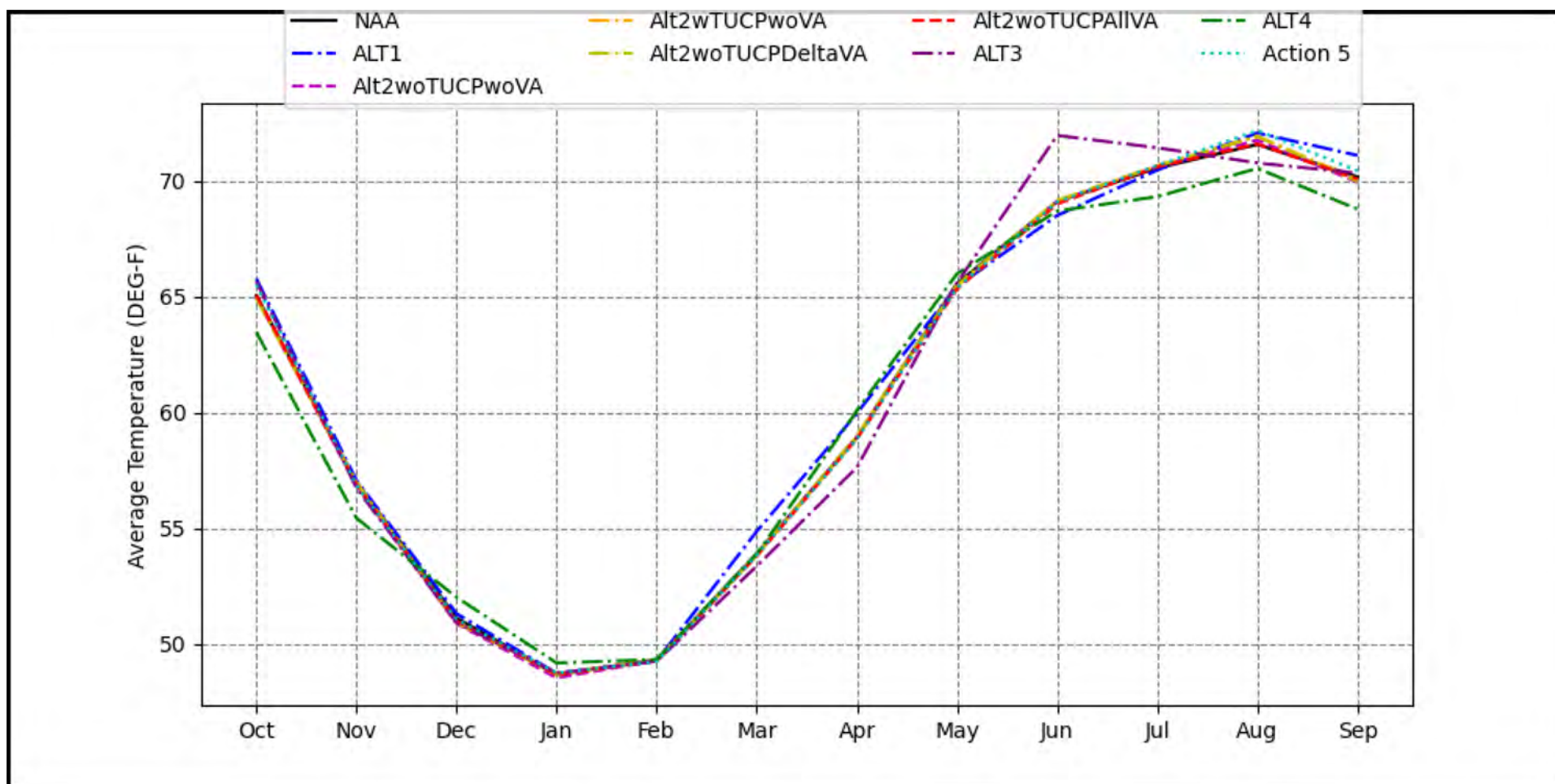


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-14 American River at the Mouth, Wet Year Average Temperature (DEG-F)

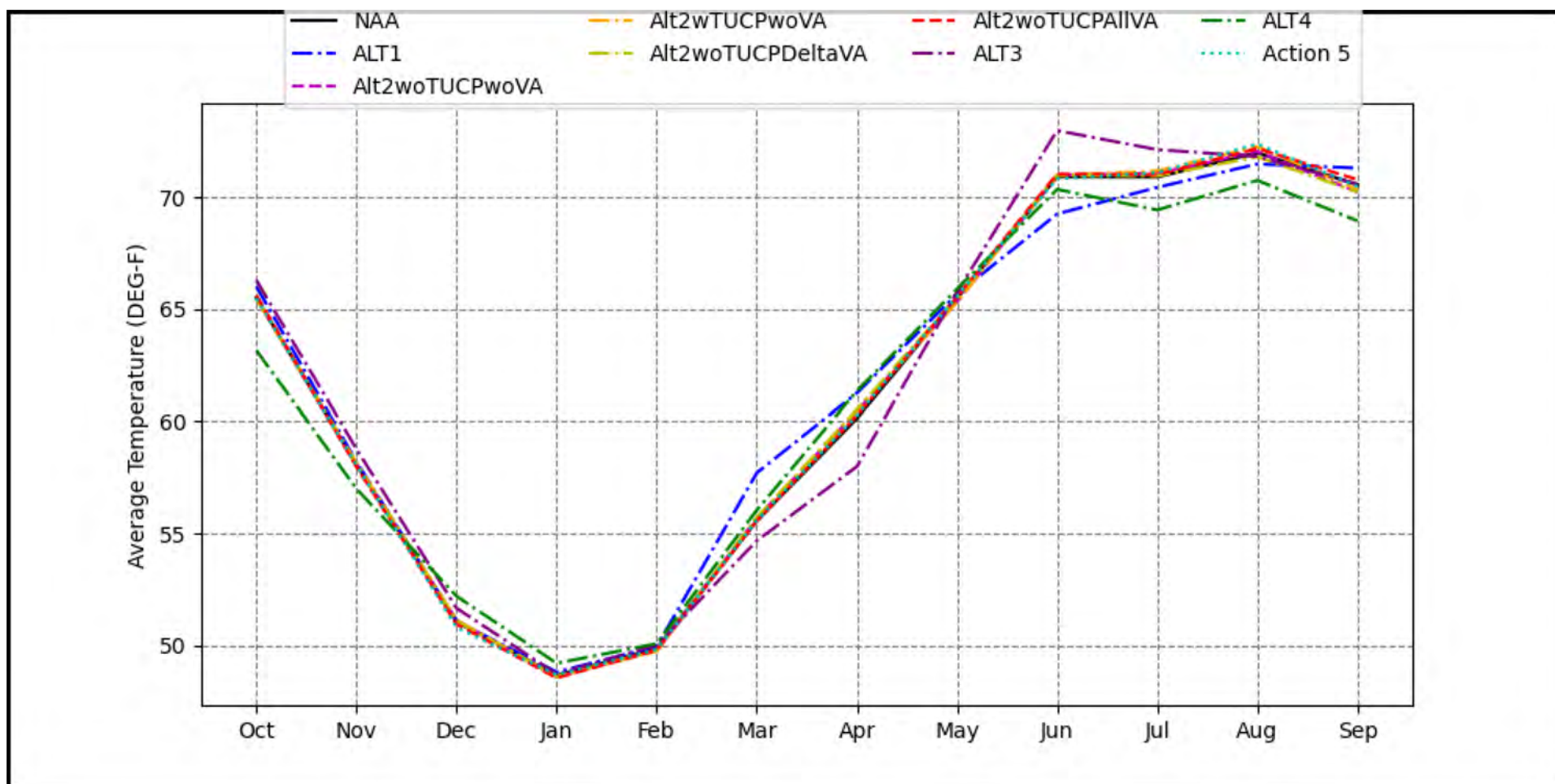


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-15 American River at the Mouth, Above Normal Year Average Temperature (DEG-F)

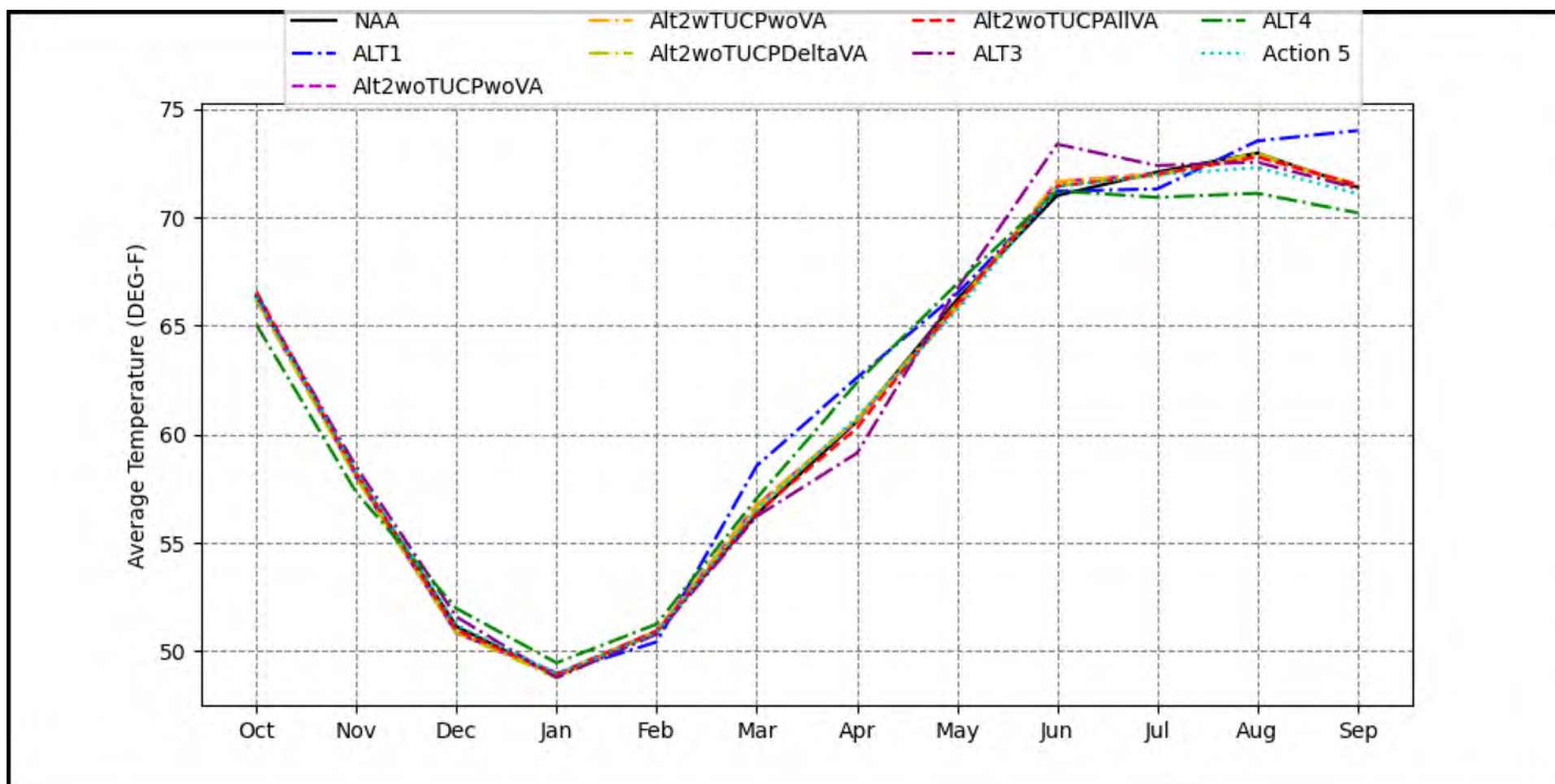


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-16 American River at the Mouth, Below Normal Year Average Temperature (DEG-F)

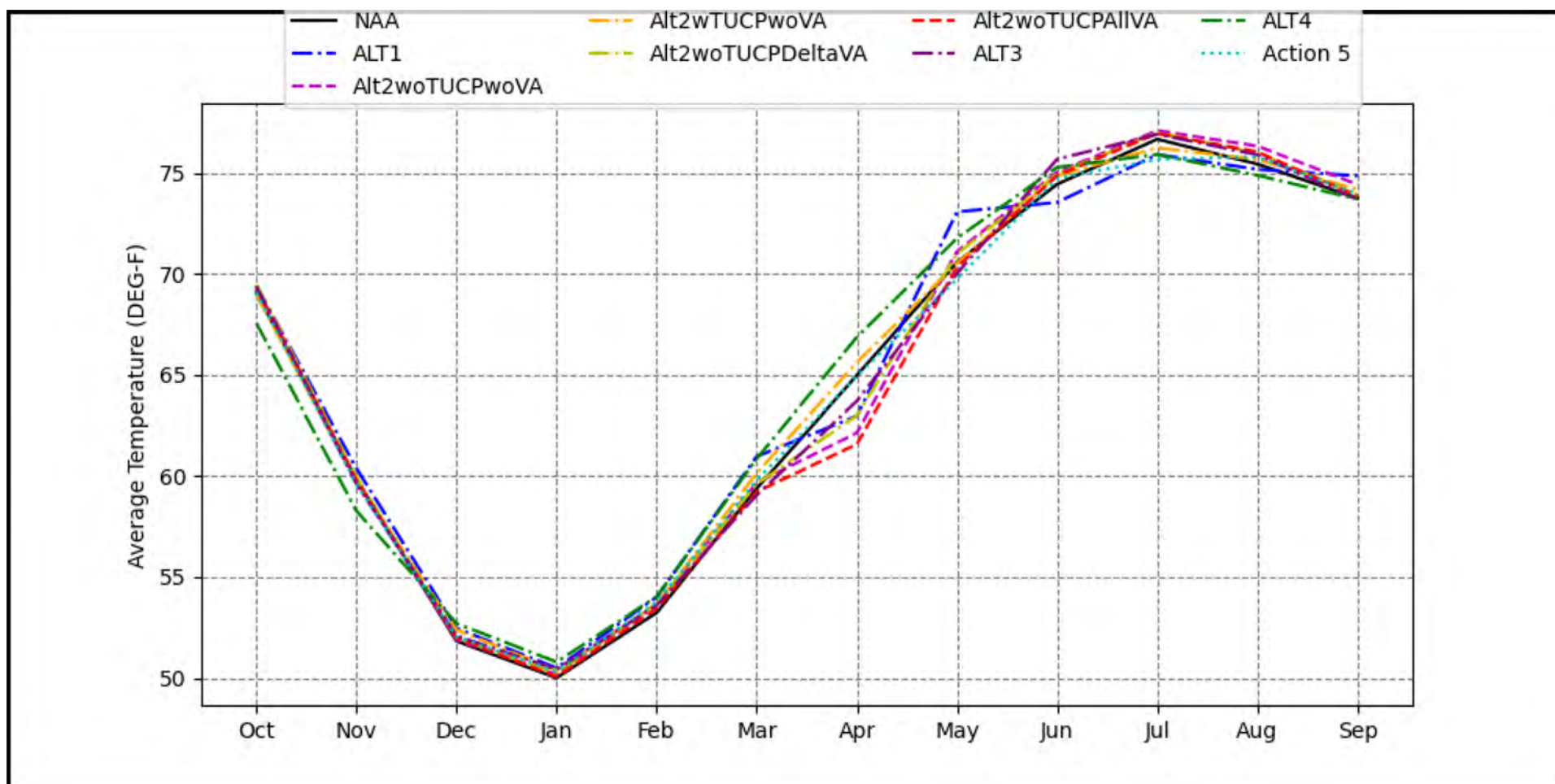


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-17 American River at the Mouth, Dry Year Average Temperature (DEG-F)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.11-17-18 American River at the Mouth, Critical Year Average Temperature (DEG-F)

CalSim Errata

After the completion of the Action 5 CalSim3 model run and its use in secondary modeling, minor coding and configuration errors were identified.

- Storm-Flex Trigger: One of the triggers for Storm-Flex was intended to require Jersey Point Flow (JPF) > 1,500 cfs, but the model was inadvertently coded to use QWest > 1,500 cfs instead.
- Turbidity Bridge Avoidance Duration: The Turbidity Bridge Avoidance action was intended to be implemented as a 7-day action, but was mistakenly coded as a 10-day action.
- OMR Requirement Under Storm-Flex: Under Storm-Flex conditions, the OMR requirement was intended to remain at > -6,250 cfs, but the model run applied -6,500 cfs.

Following the identification of the minor implementation errors described above, Action 5 was rerun with the corrected logic to evaluate whether these fixes resulted in any meaningful changes to the long-term average outputs used in secondary modeling. Table 1 presents a side-by-side comparison of long-term average values for key CalSim variables under the original Action 5 configuration and the corrected (“with fixes”) configuration. This comparison is intended to show whether the fixes altered systemwide hydrologic or operational indicators in ways that could influence downstream modeling or interpretation.

Table 1. Action 5 CalSim Long Term Averages With and Without Fixes

Variable	Without Fix (TAF)	With Fix (TAF)
Shasta Carryover	2,734	2,734
Folsom Carryover	518	517
Trinity Carryover	1,334	1,332
Oroville Carryover	1,777	1,777
Annual Sac River Flow Below Keswick	6,096	6,096
Annual Sac River Flow at Bend Bridge	8,172	8,171
Annual Sac River Flow at Wilkin’s Slough	5,898	5,896
Annual Feather River Flow at Mouth	5,399	5,399
Annual American River Flow at H St.	2,414	2,414
Annual Sac River Flow at Freeport	15,148	15,147
Annual Stanislaus River Flow at Mouth	506	506
Annual San Joaquin River Flow at Vernalis	2,665	2,666
Annual Sacramento Flow at Rio Vista	14,154	14,156
Annual Delta Outflow	15,564	15,564
Annual Jones Exports	2,370	2,371
Annual Banks Exports	2,544	2,545

Table 1 shows there are no significant differences throughout the system. Similarly, the following monthly pattern for OMR flow does not noticeably change (Figure 1). Figures 2 – 6 show the monthly pattern for OMR flow in all water year types. Similarly, no change between the runs appears and the corrections did not meaningfully alter values.

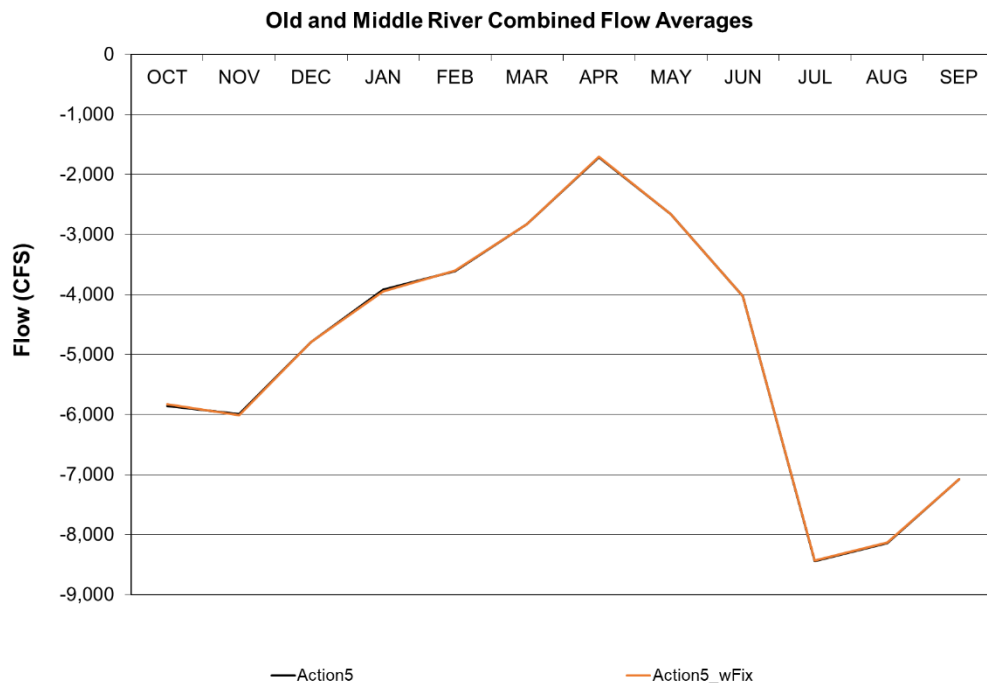


Figure 1. Old and Middle River Combined Averages

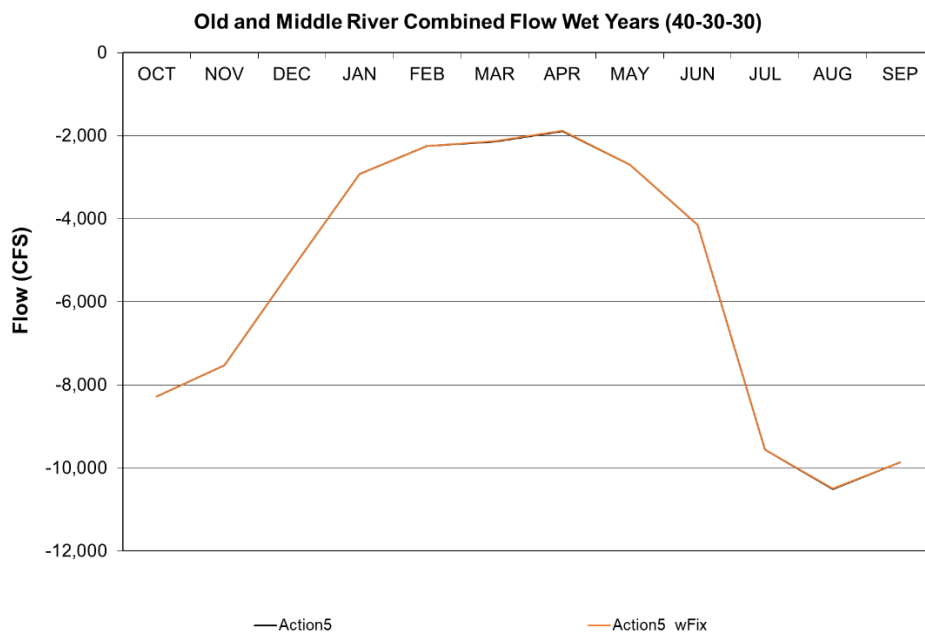


Figure 2. Old and Middle River Combine Flow, Wet Years

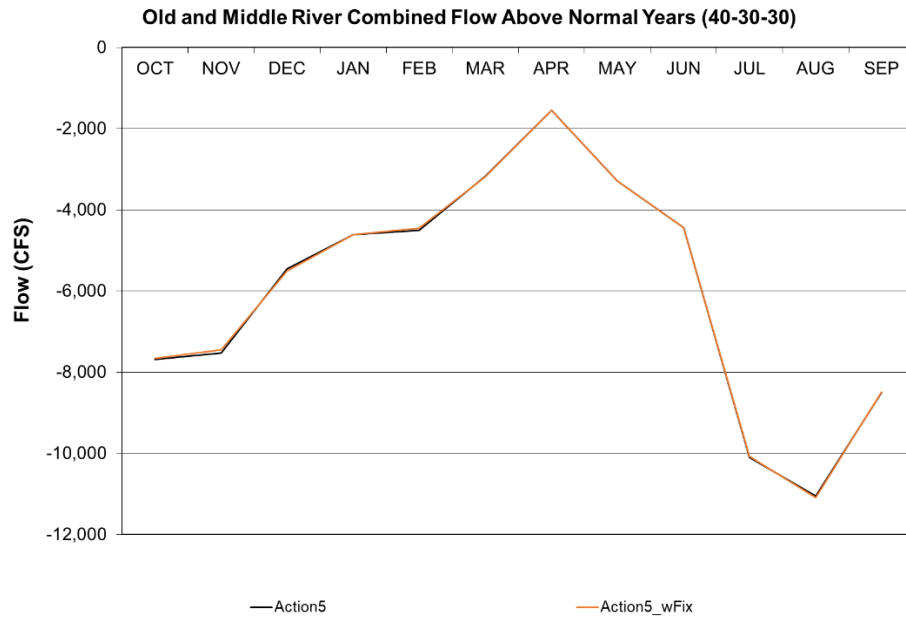


Figure 3. Old Middle River Combine Flow, Above Normal Years

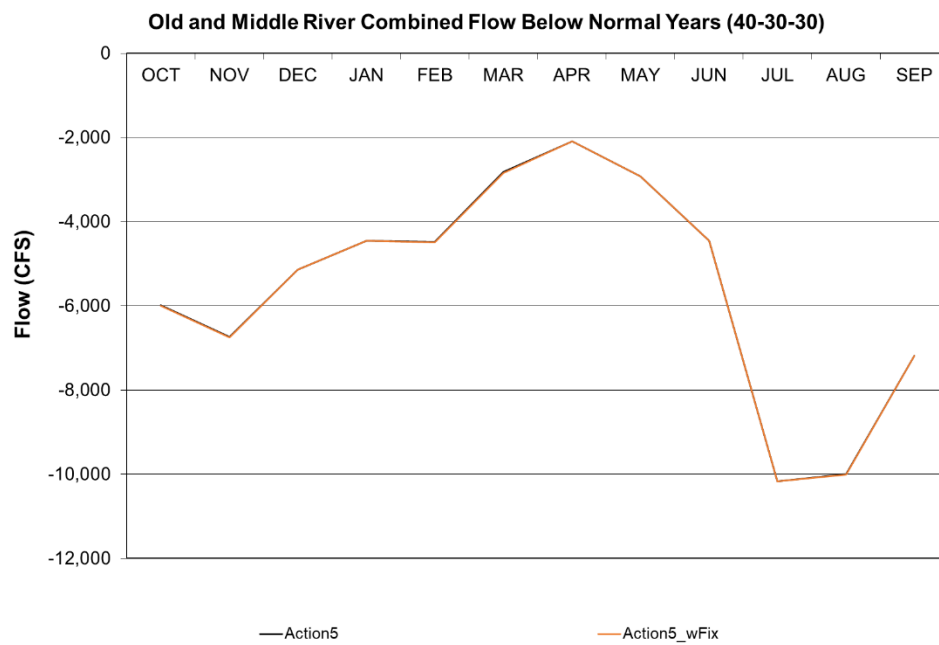


Figure 4. Old Middle River Combine Flow, Below Normal Years

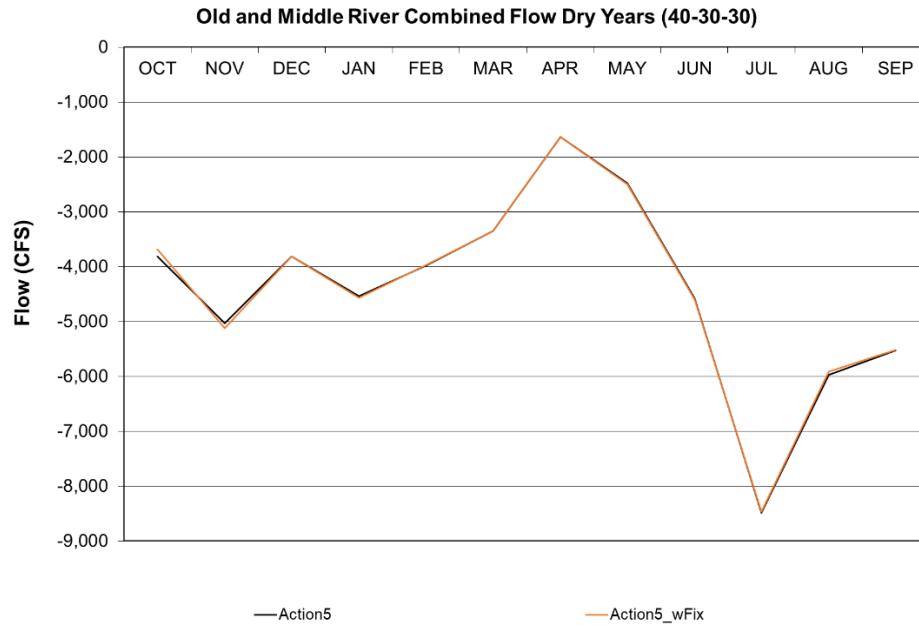


Figure 5. Old Middle River Combine Flow, Dry Years

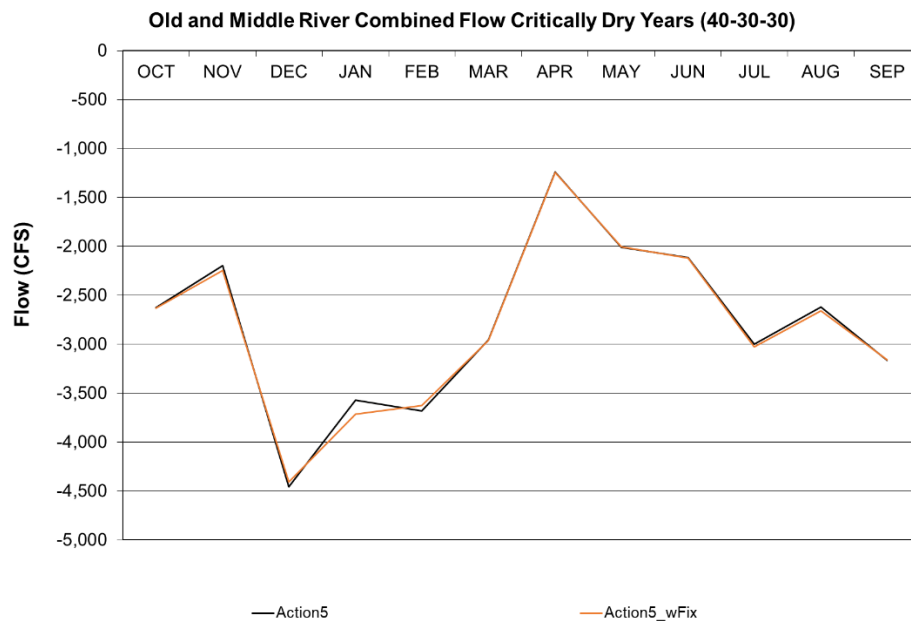


Figure 6. Old Middle River Combine Flow, Critically Dry Years

The conclusion is that there is no significant change in the trends or takeaways of the CalSim3 results between model runs, and the secondary modeling that relies on CalSim3 results would not be affected by the fixes.