

## Cross-Comparison Correlation Matrix (Pearson's r)

|          | 11    | 111   | 155   | 245   | 69    | 70    | 71    | 72    | 76    | 8     | 82    | 88    | amo   | brestexc | emi   | iode  | nao   | nino34 | nino4 | pdo   | tna   | tsa   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|-------|-------|-------|-------|
| 11       |       | 0.513 | 0.384 | 0.374 | 0.894 | 0.912 | 0.837 | 0.921 | 0.933 | 0.956 | 0.874 | 0.876 | 0.632 | 0.559    | 0.487 | 0.672 | 0.746 | 0.471  | 0.438 | 0.475 | 0.622 | 0.641 |
| 111      | 0.513 |       | 0.953 | 0.976 | 0.637 | 0.626 | 0.677 | 0.674 | 0.592 | 0.586 | 0.627 | 0.629 | 0.874 | 0.797    | 0.980 | 0.755 | 0.761 | 0.984  | 0.987 | 0.964 | 0.874 | 0.869 |
| 155      | 0.384 | 0.953 |       | 0.972 | 0.571 | 0.549 | 0.601 | 0.608 | 0.502 | 0.471 | 0.565 | 0.555 | 0.833 | 0.761    | 0.948 | 0.697 | 0.727 | 0.966  | 0.945 | 0.931 | 0.829 | 0.819 |
| 245      | 0.374 | 0.976 | 0.972 |       | 0.537 | 0.515 | 0.550 | 0.643 | 0.462 | 0.463 | 0.516 | 0.517 | 0.833 | 0.765    | 0.966 | 0.659 | 0.706 | 0.988  | 0.971 | 0.966 | 0.830 | 0.823 |
| 69       | 0.894 | 0.637 | 0.571 | 0.537 |       | 0.995 | 0.924 | 0.975 | 0.924 | 0.910 | 0.971 | 0.978 | 0.739 | 0.702    | 0.623 | 0.763 | 0.894 | 0.612  | 0.581 | 0.597 | 0.738 | 0.751 |
| 70       | 0.912 | 0.626 | 0.549 | 0.515 | 0.995 |       | 0.920 | 0.979 | 0.941 | 0.920 | 0.968 | 0.978 | 0.735 | 0.693    | 0.609 | 0.760 | 0.880 | 0.599  | 0.567 | 0.586 | 0.733 | 0.746 |
| 71       | 0.837 | 0.677 | 0.601 | 0.550 | 0.924 | 0.920 |       | 0.958 | 0.888 | 0.868 | 0.927 | 0.908 | 0.791 | 0.758    | 0.663 | 0.833 | 0.920 | 0.650  | 0.634 | 0.624 | 0.792 | 0.798 |
| 72       | 0.921 | 0.674 | 0.608 | 0.643 | 0.975 | 0.979 | 0.958 |       | 0.935 | 0.931 | 0.964 | 0.957 | 0.802 | 0.739    | 0.665 | 0.797 | 0.893 | 0.660  | 0.634 | 0.625 | 0.802 | 0.809 |
| 76       | 0.933 | 0.592 | 0.502 | 0.462 | 0.924 | 0.941 | 0.888 | 0.935 |       | 0.935 | 0.892 | 0.910 | 0.717 | 0.654    | 0.582 | 0.757 | 0.825 | 0.575  | 0.560 | 0.567 | 0.716 | 0.725 |
| 8        | 0.956 | 0.586 | 0.471 | 0.463 | 0.910 | 0.920 | 0.868 | 0.931 | 0.935 |       | 0.892 | 0.898 | 0.659 | 0.600    | 0.568 | 0.668 | 0.807 | 0.551  | 0.519 | 0.533 | 0.653 | 0.666 |
| 82       | 0.874 | 0.627 | 0.565 | 0.516 | 0.971 | 0.968 | 0.927 | 0.964 | 0.892 | 0.892 |       | 0.966 | 0.760 | 0.727    | 0.625 | 0.783 | 0.879 | 0.621  | 0.599 | 0.591 | 0.760 | 0.768 |
| 88       | 0.876 | 0.629 | 0.555 | 0.517 | 0.978 | 0.978 | 0.908 | 0.957 | 0.910 | 0.898 | 0.966 |       | 0.755 | 0.715    | 0.642 | 0.771 | 0.882 | 0.625  | 0.596 | 0.609 | 0.752 | 0.761 |
| amo      | 0.632 | 0.874 | 0.833 | 0.833 | 0.739 | 0.735 | 0.791 | 0.802 | 0.717 | 0.659 | 0.760 | 0.755 |       | 0.913    | 0.861 | 0.922 | 0.832 | 0.856  | 0.849 | 0.846 | 1.000 | 0.998 |
| brestexc | 0.559 | 0.797 | 0.761 | 0.765 | 0.702 | 0.693 | 0.758 | 0.739 | 0.654 | 0.600 | 0.727 | 0.715 | 0.913 |          | 0.798 | 0.868 | 0.785 | 0.791  | 0.791 | 0.780 | 0.915 | 0.913 |
| emi      | 0.487 | 0.980 | 0.948 | 0.966 | 0.623 | 0.609 | 0.663 | 0.665 | 0.582 | 0.568 | 0.625 | 0.642 | 0.861 | 0.798    |       | 0.764 | 0.758 | 0.980  | 0.980 | 0.957 | 0.862 | 0.856 |
| iode     | 0.672 | 0.755 | 0.697 | 0.659 | 0.763 | 0.760 | 0.833 | 0.797 | 0.757 | 0.668 | 0.783 | 0.771 | 0.922 | 0.868    | 0.764 |       | 0.838 | 0.747  | 0.742 | 0.742 | 0.923 | 0.929 |
| nao      | 0.746 | 0.761 | 0.727 | 0.706 | 0.894 | 0.880 | 0.920 | 0.893 | 0.825 | 0.807 | 0.879 | 0.882 | 0.832 | 0.785    | 0.758 | 0.838 |       | 0.742  | 0.723 | 0.725 | 0.833 | 0.837 |
| nino34   | 0.471 | 0.984 | 0.966 | 0.988 | 0.612 | 0.599 | 0.650 | 0.660 | 0.575 | 0.551 | 0.621 | 0.625 | 0.856 | 0.791    | 0.980 | 0.747 | 0.742 |        | 0.983 | 0.972 | 0.855 | 0.850 |
| nino4    | 0.438 | 0.987 | 0.945 | 0.971 | 0.581 | 0.567 | 0.634 | 0.634 | 0.560 | 0.519 | 0.599 | 0.596 | 0.849 | 0.791    | 0.980 | 0.742 | 0.723 | 0.983  |       | 0.970 | 0.848 | 0.840 |
| pdo      | 0.475 | 0.964 | 0.931 | 0.966 | 0.597 | 0.586 | 0.624 | 0.625 | 0.567 | 0.533 | 0.591 | 0.609 | 0.846 | 0.780    | 0.957 | 0.742 | 0.725 | 0.972  | 0.970 |       | 0.846 | 0.842 |
| tna      | 0.622 | 0.874 | 0.829 | 0.830 | 0.738 | 0.733 | 0.792 | 0.802 | 0.716 | 0.653 | 0.760 | 0.752 | 1.000 | 0.915    | 0.862 | 0.923 | 0.833 | 0.855  | 0.848 | 0.846 |       | 0.998 |
| tsa      | 0.641 | 0.869 | 0.819 | 0.823 | 0.751 | 0.746 | 0.798 | 0.809 | 0.725 | 0.666 | 0.768 | 0.761 | 0.998 | 0.913    | 0.856 | 0.929 | 0.837 | 0.850  | 0.840 | 0.842 | 0.998 |       |