Data and Products Thu Mar 28 19:28:46 HST 2024

Name	Pacific Storms Climatology Products (PSCP)
Capability Area	- Understanding Climate Variability and Change - Understanding Climate Impacts and Informing Adaptation
Focus Area	- Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience
Regions	- Central North Pacific - Western North Pacific - South Pacific - Pacific Basin
Products/Physical	- Products - Physical - Hindcasts (climatologies) - Projections (intrannual to multi-decadal) - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction) - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)
Sectors	- Public Health and Safety - Fresh Water Resources - Transportation/Communication and Commerce - Community Planning and Development - Agriculture and Fisheries - Recreation and Tourism

Description	Pacific Storms is focused on improving our understanding of patterns and trends of storm frequency and intensity - storminess - within the Pacific region. Pacific Storms is exploring how the climate-related processes that govern extreme storm events are expressed within and between three thematic areas: heavy rains, strong winds, and high seas. Pacific Storms is developing an integrated set of extremes indicators and associated inter-annual and annual strong winds, heavy rains, and high seas derived data products. The intent of these products is to delineate the patterns and trends of extremes within and between locations and regions, how they have been expressed historically, and may be expected to be expressed in a changing climate. Much of the information available via this site represents the analysis of historical records by a team of recognized agency and university-based experts in the area of climate-related processes that govern storminess and its expression in the Pacific region. It includes plots delineating things such as the rates of sea level rise and high water return periods; changes in the frequency of both short-lived intense rainfall events and extended periods of heavy rains; and the linkages of these patterns and trends to climate indices.
Url	http://www.pacificstormsclimatology.org/
Lead Agencies	NOAA/NCDC, Pacific Climate Information System (PaCIS)
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