



Runoff Under the Trail: An Historical Analysis of Flows Across Tamiami Trail

Presented to the South Florida Hydrologic Society

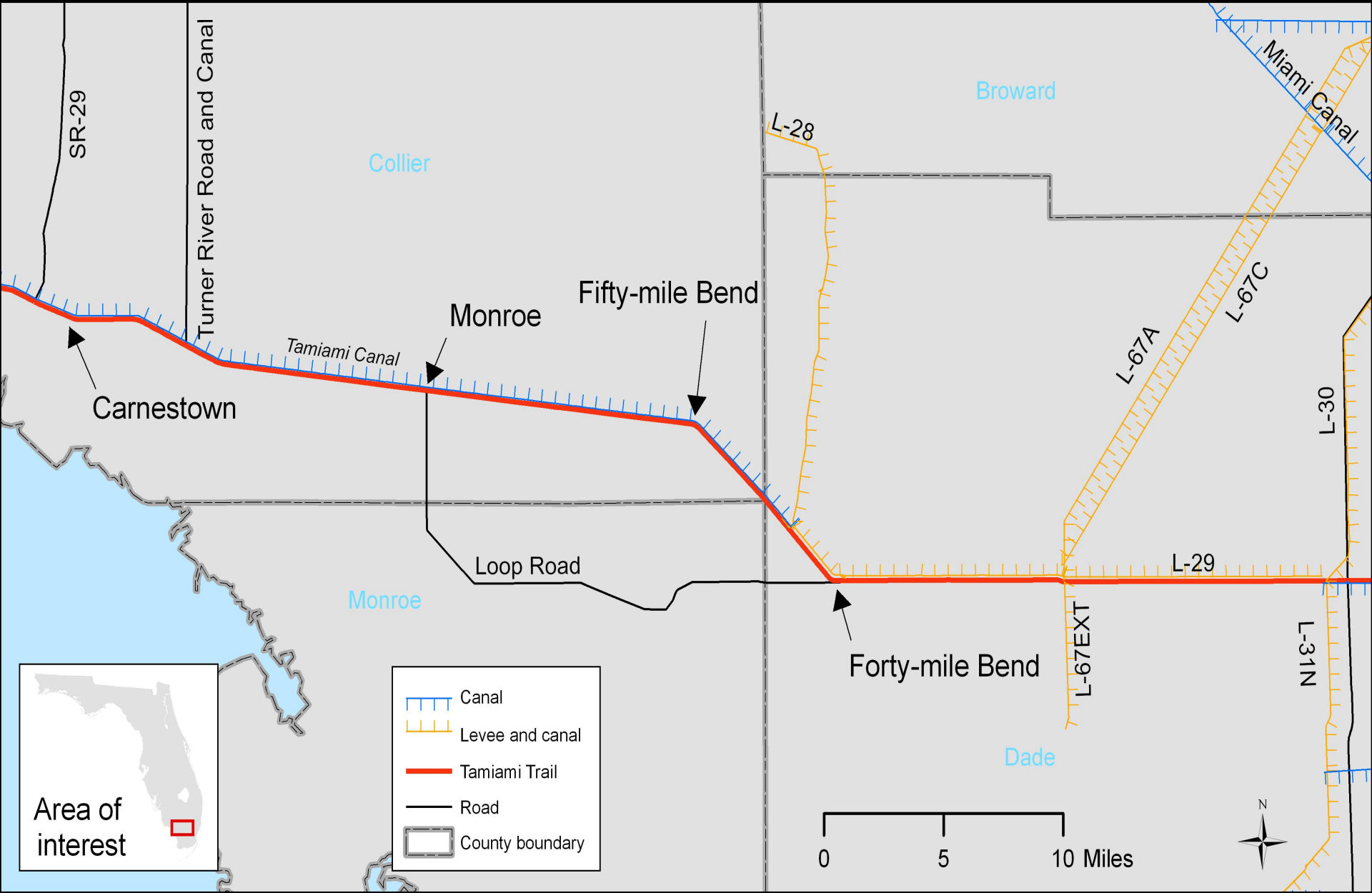
November 17, 2010

Physical Resources Branch
South Florida Natural Resources Center
Everglades National Park

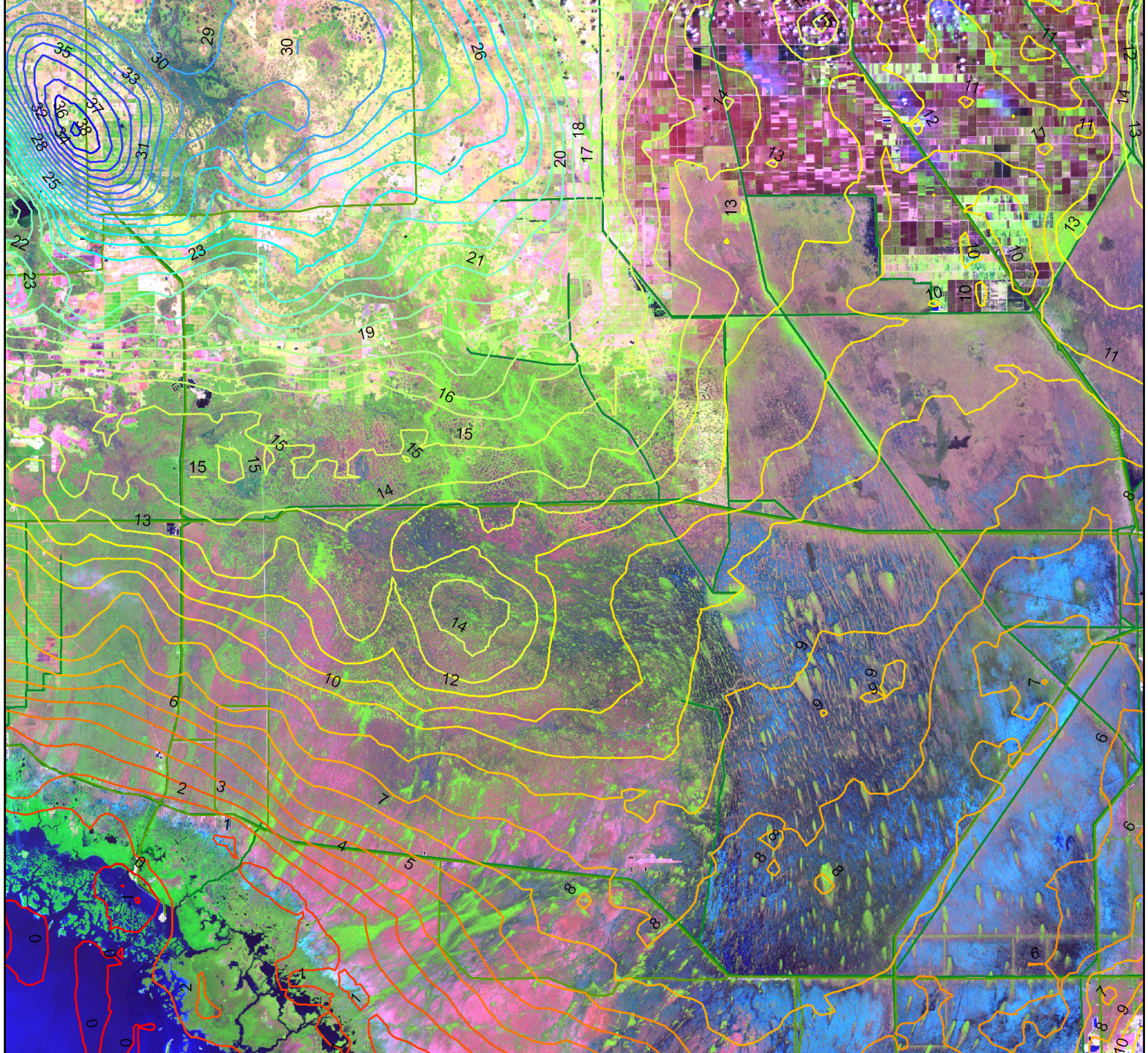
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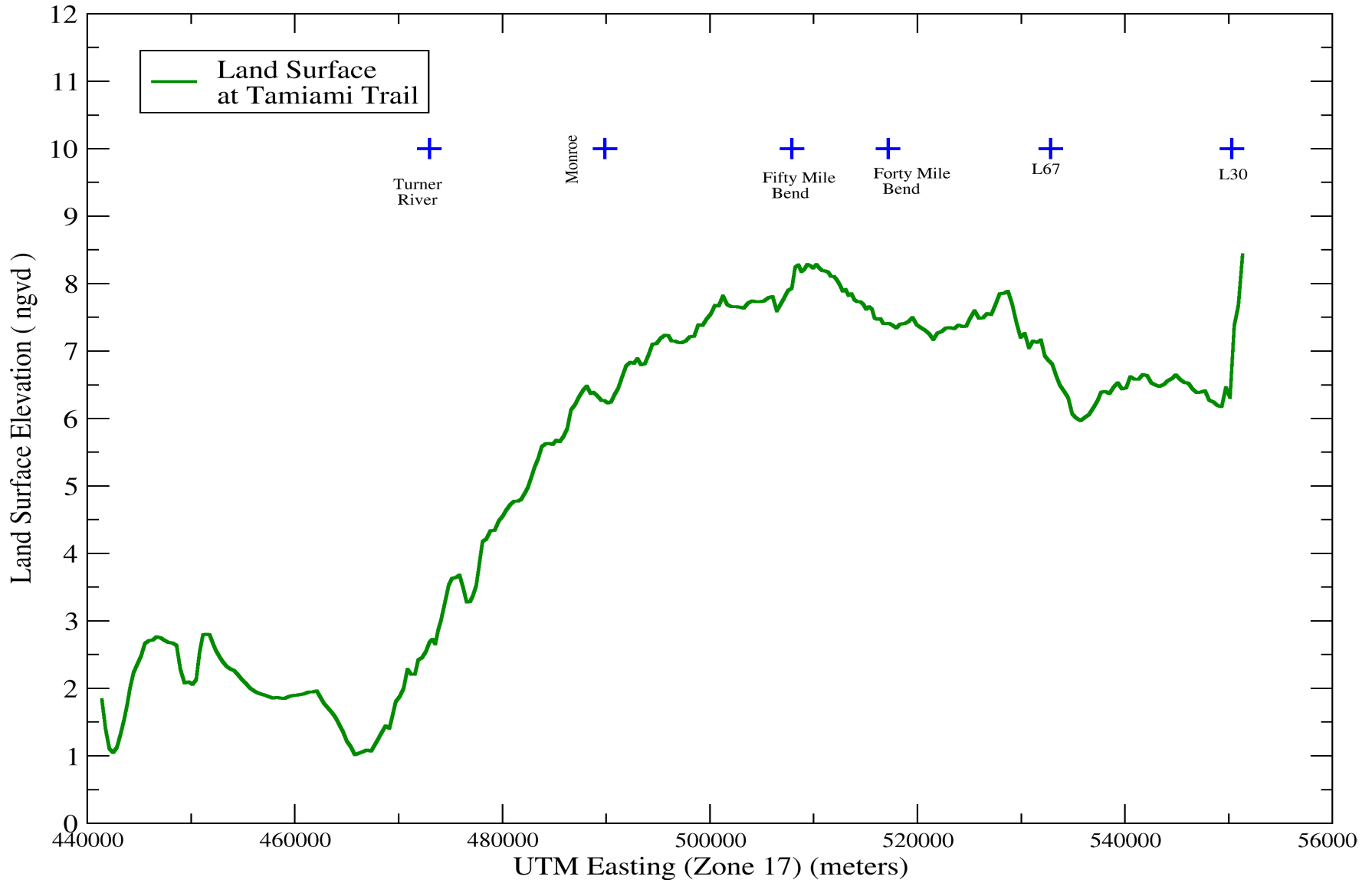
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*Dredge, Drill Barge & Service Boat - RCHuffman Co
Tamiami Trail - 1926-27 - 30 Miles West of
Miami*



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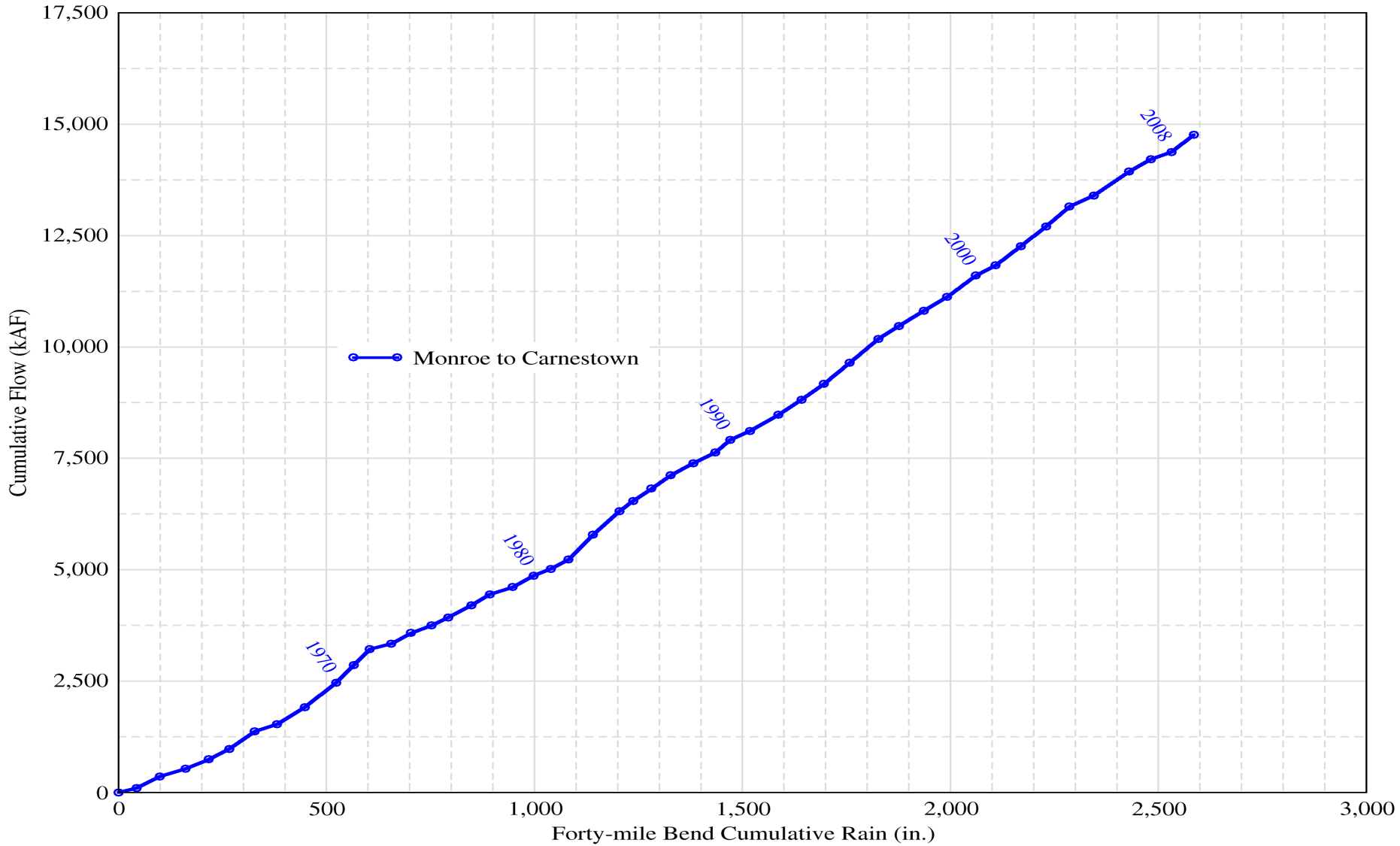


Double Mass Curves Explained

- Double mass curves trace the runoff response to basin rainfall as both parameters accumulate throughout the period of record. Generally, the runoff response is linear with respect to rainfall.
- Changes in the slope of this linear responses tends to indicate some feature in the basin has either caused more or less runoff for similar amounts of rain.
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- Operations for a reservoir for example tend to decrease the runoff as water is stored in the reservoir. Double mass curves that generally lie in a straight line with no breaks in the slope are indicative of little development or water management being conducted in a basin.

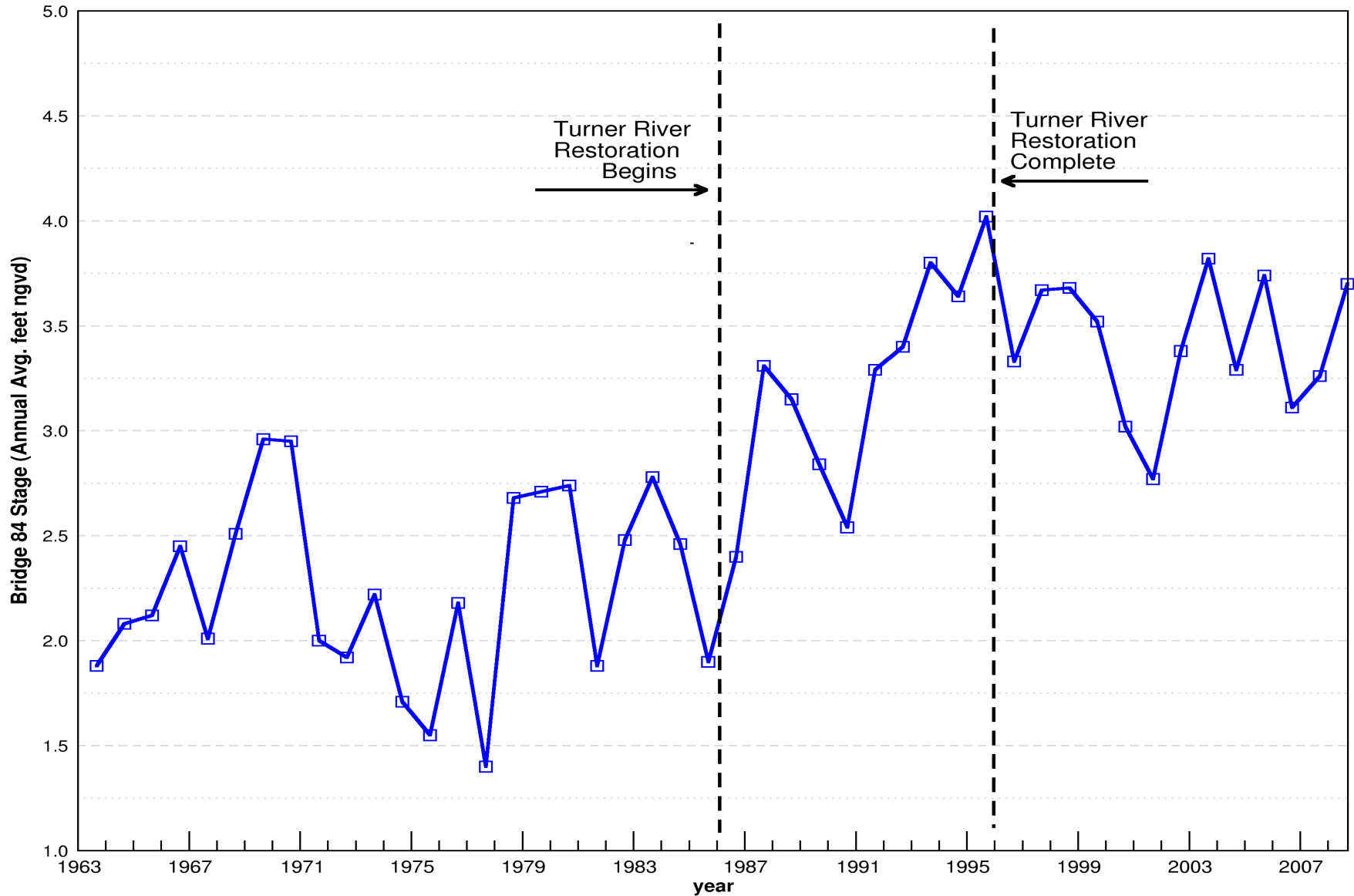
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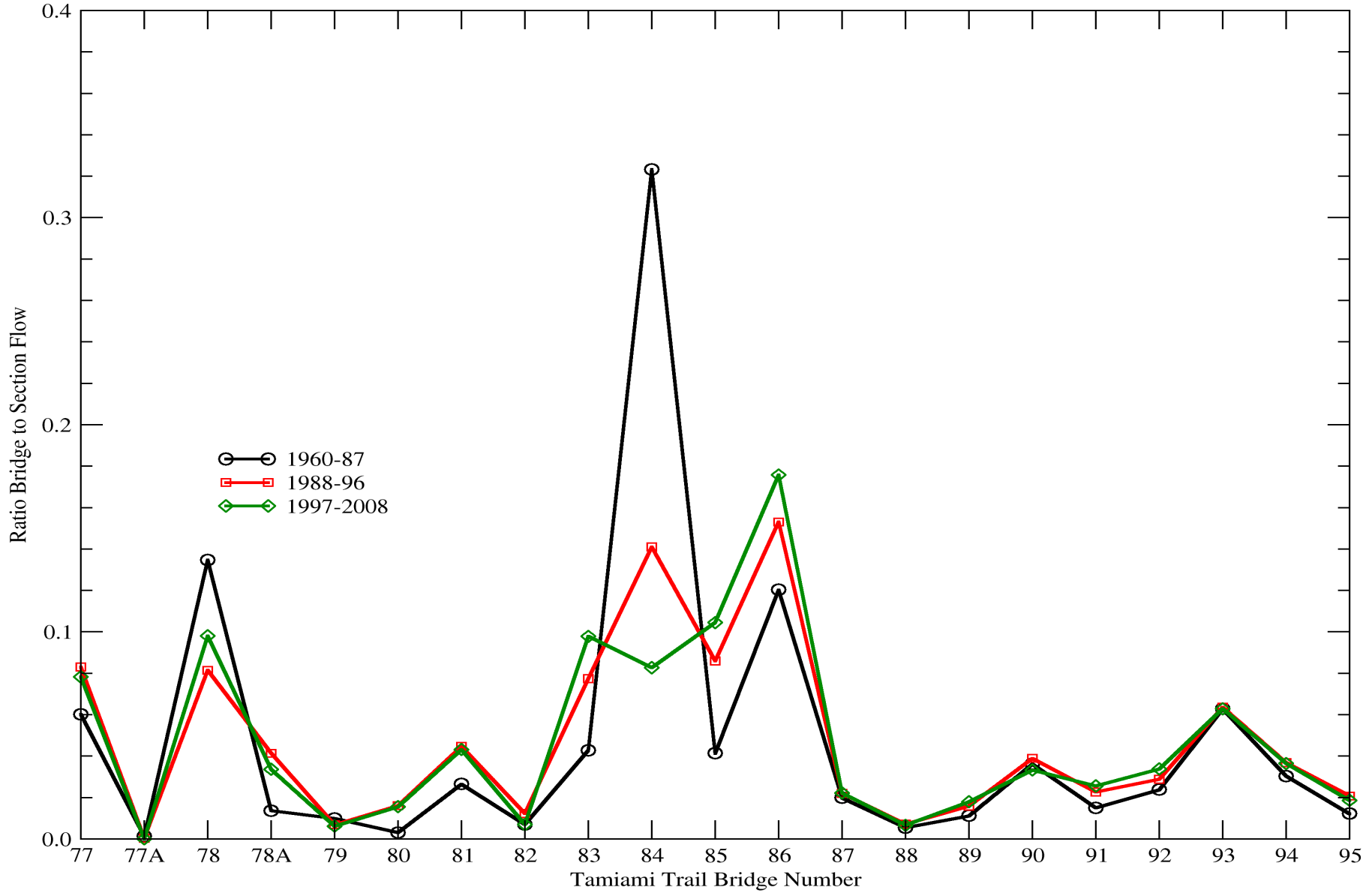
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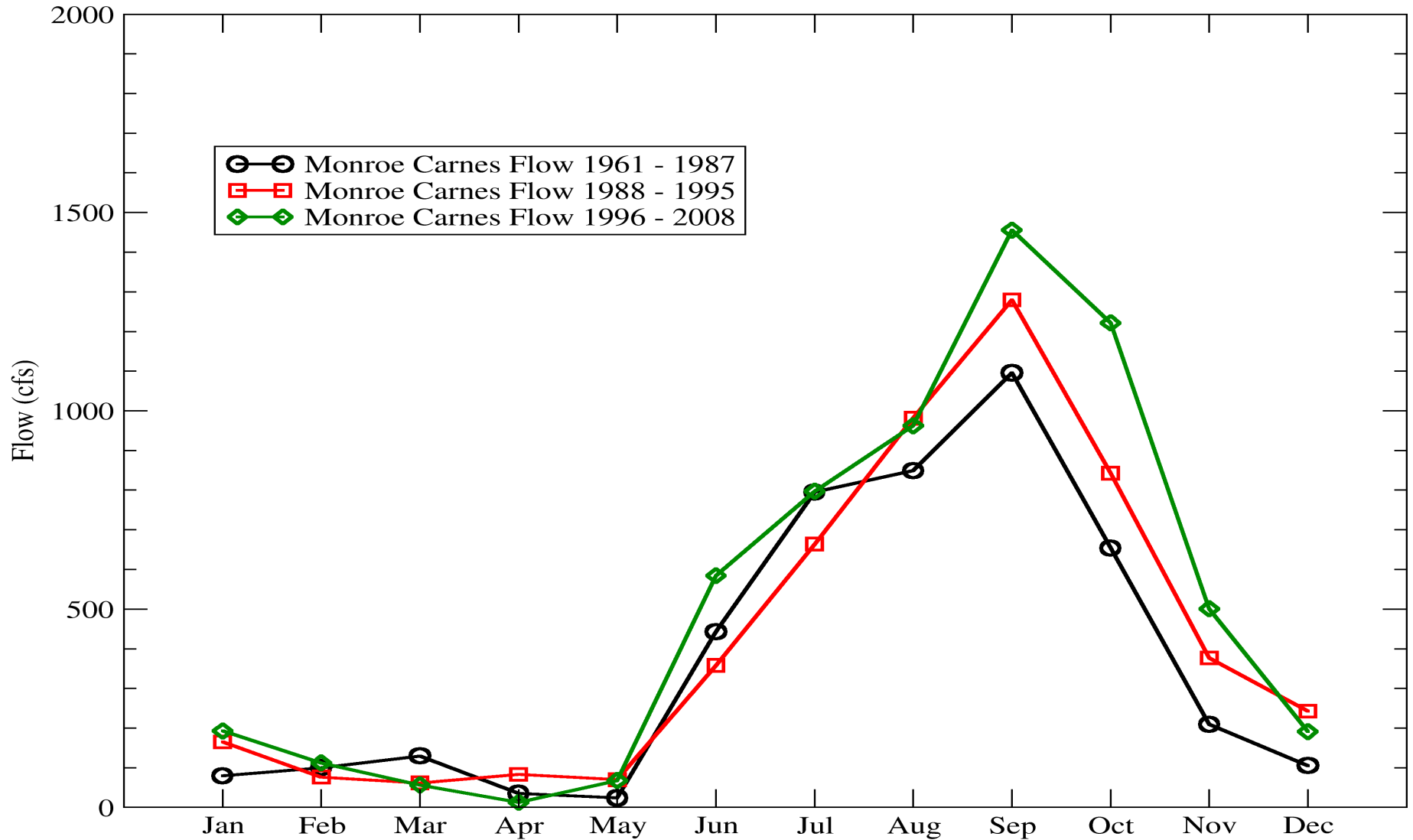
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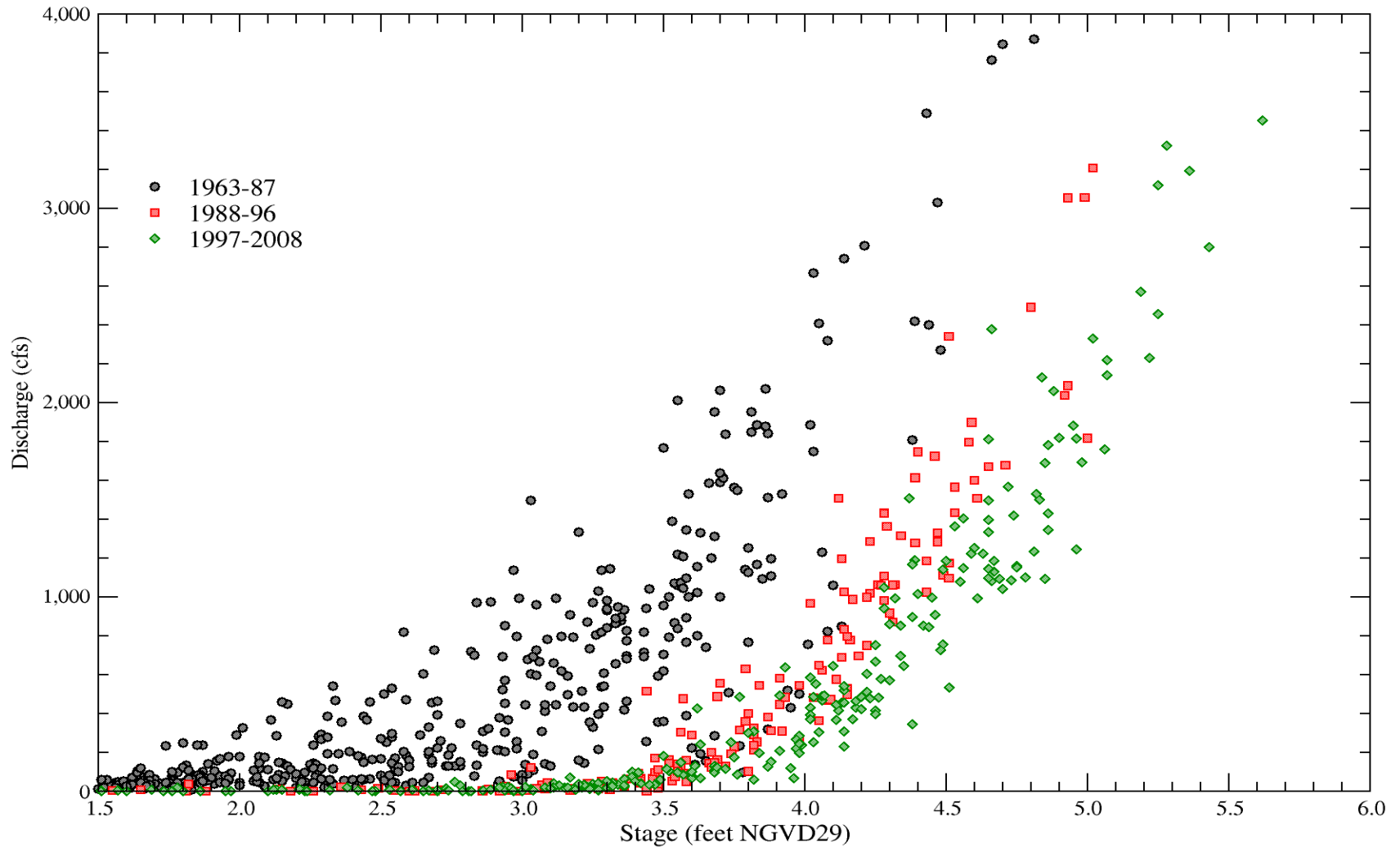
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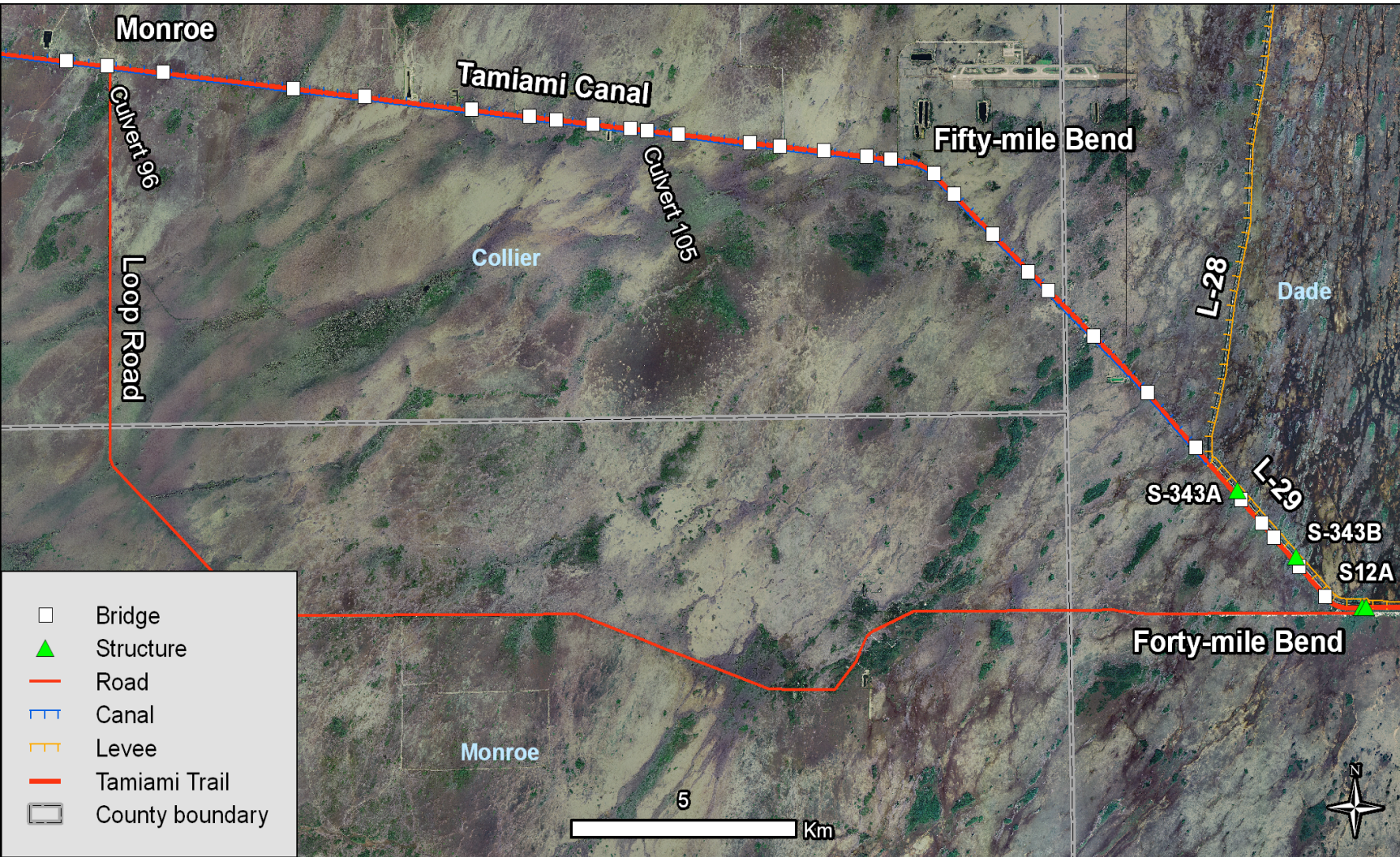
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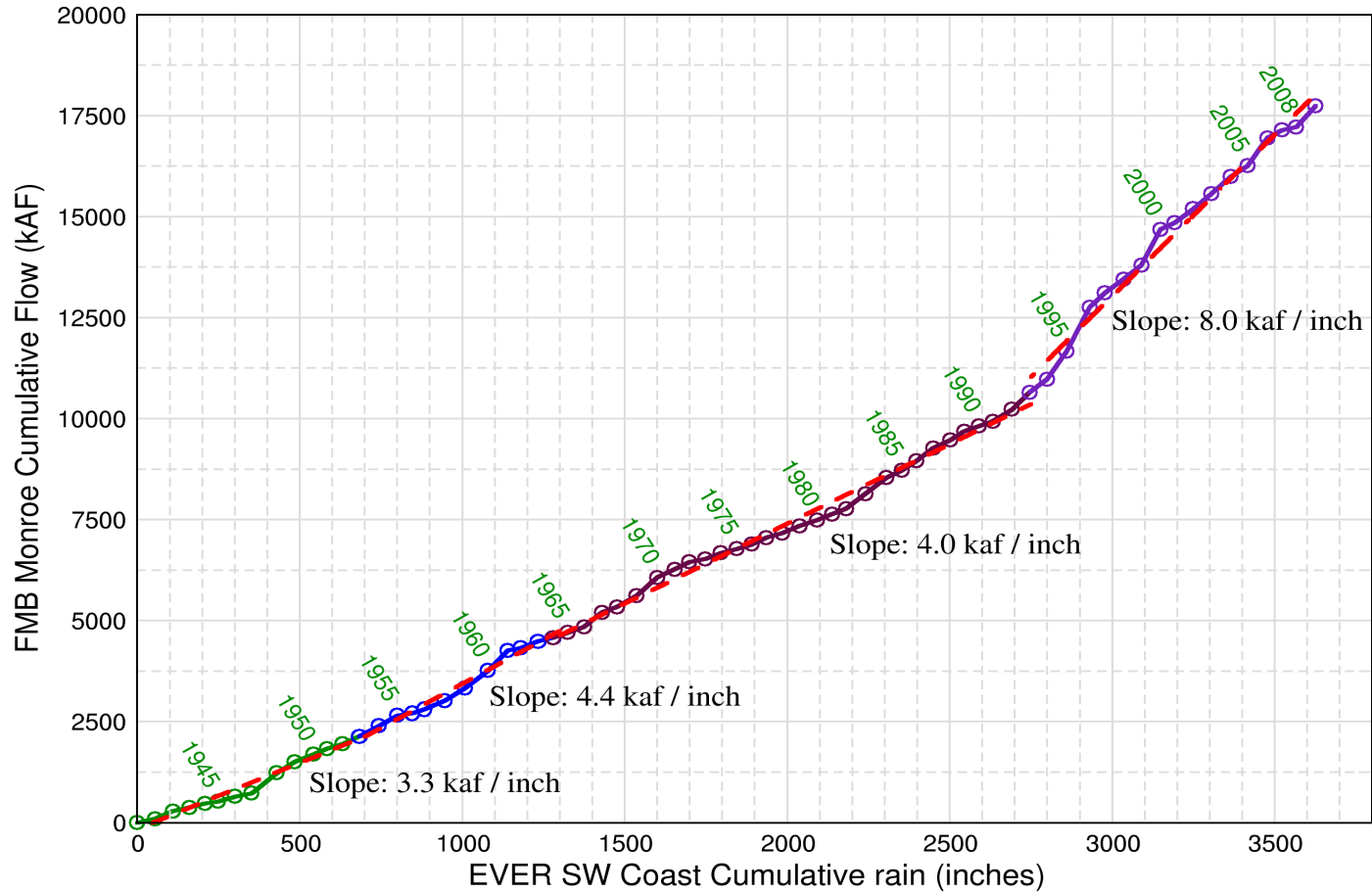
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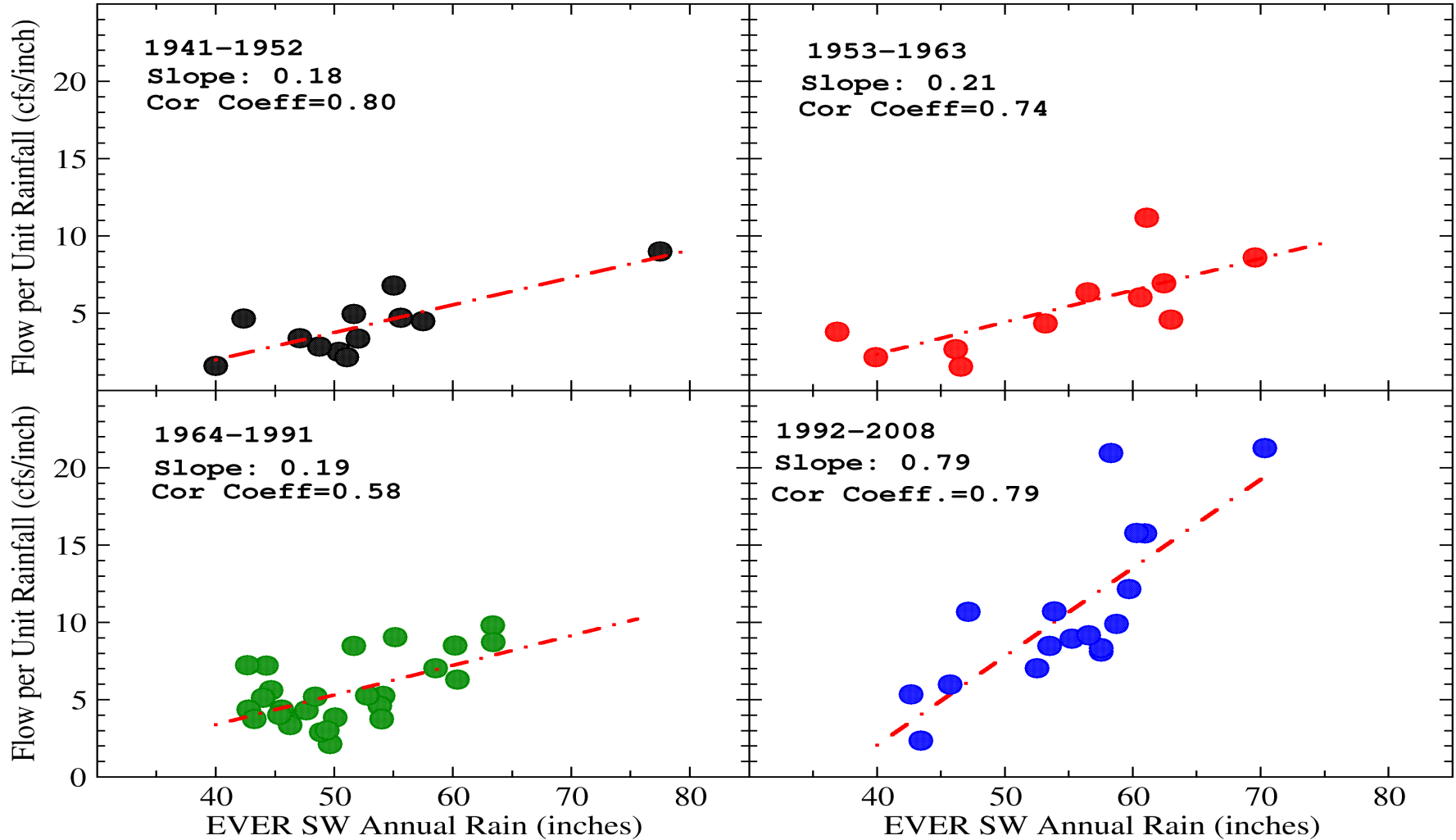
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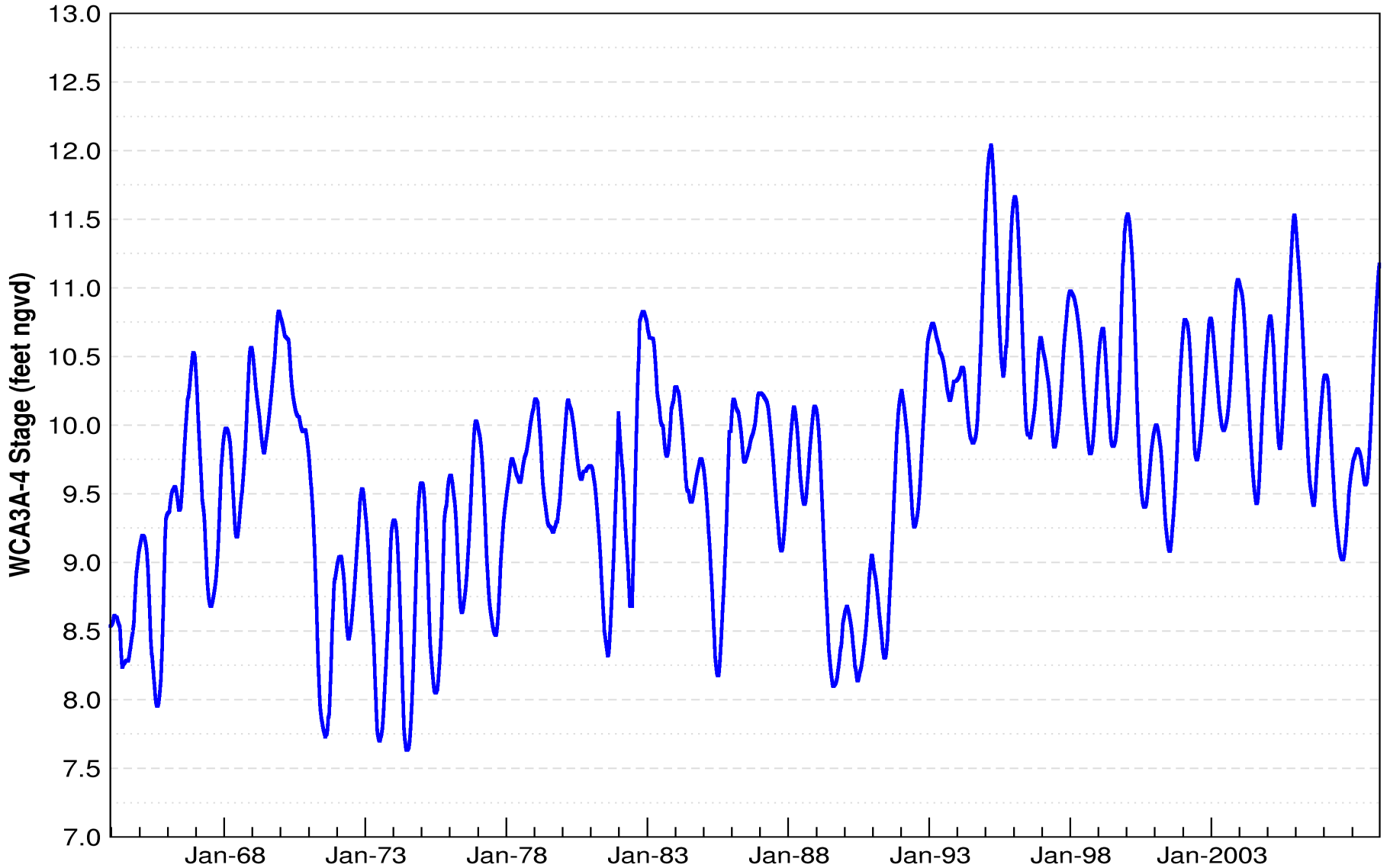
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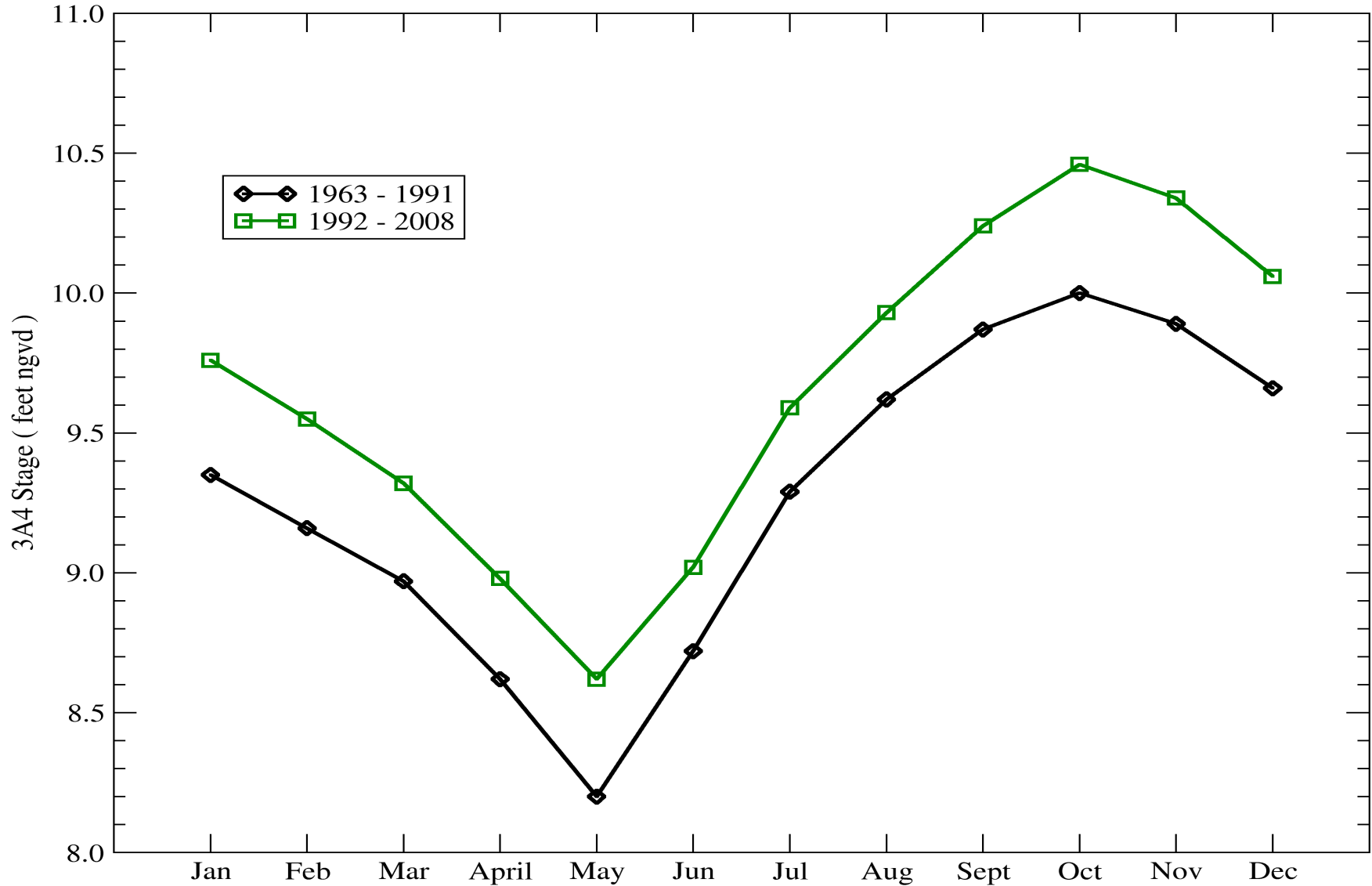


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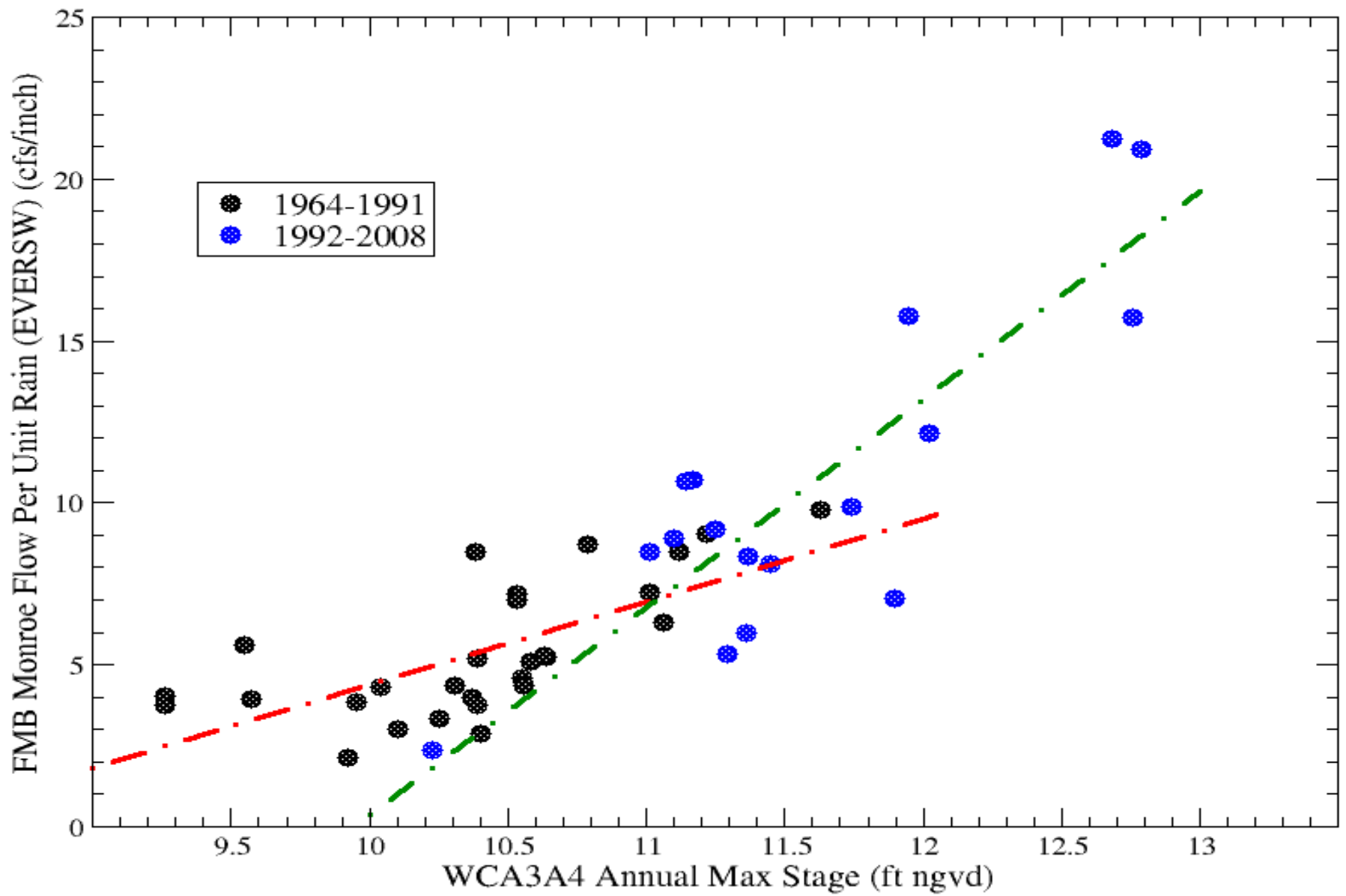
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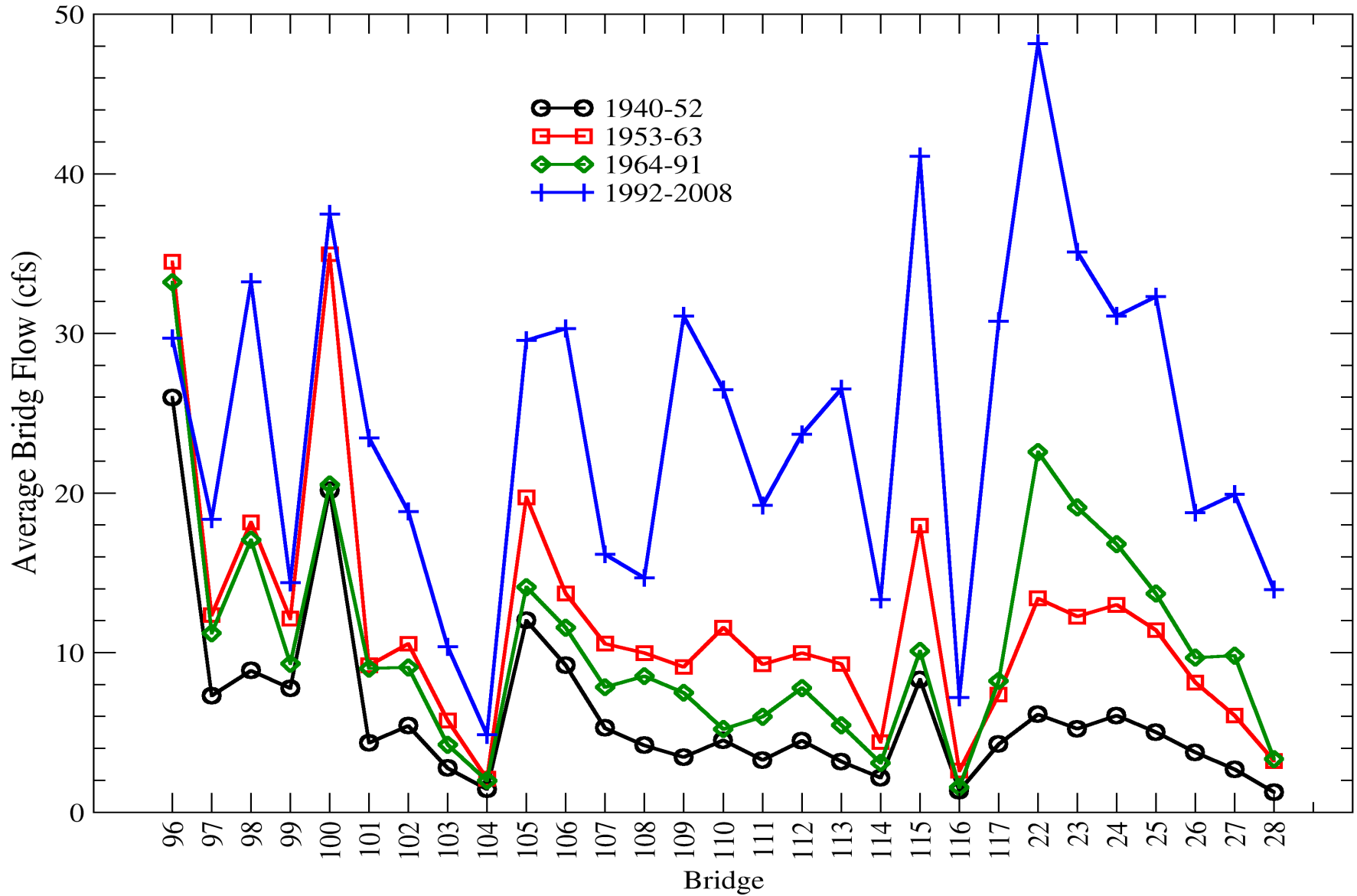
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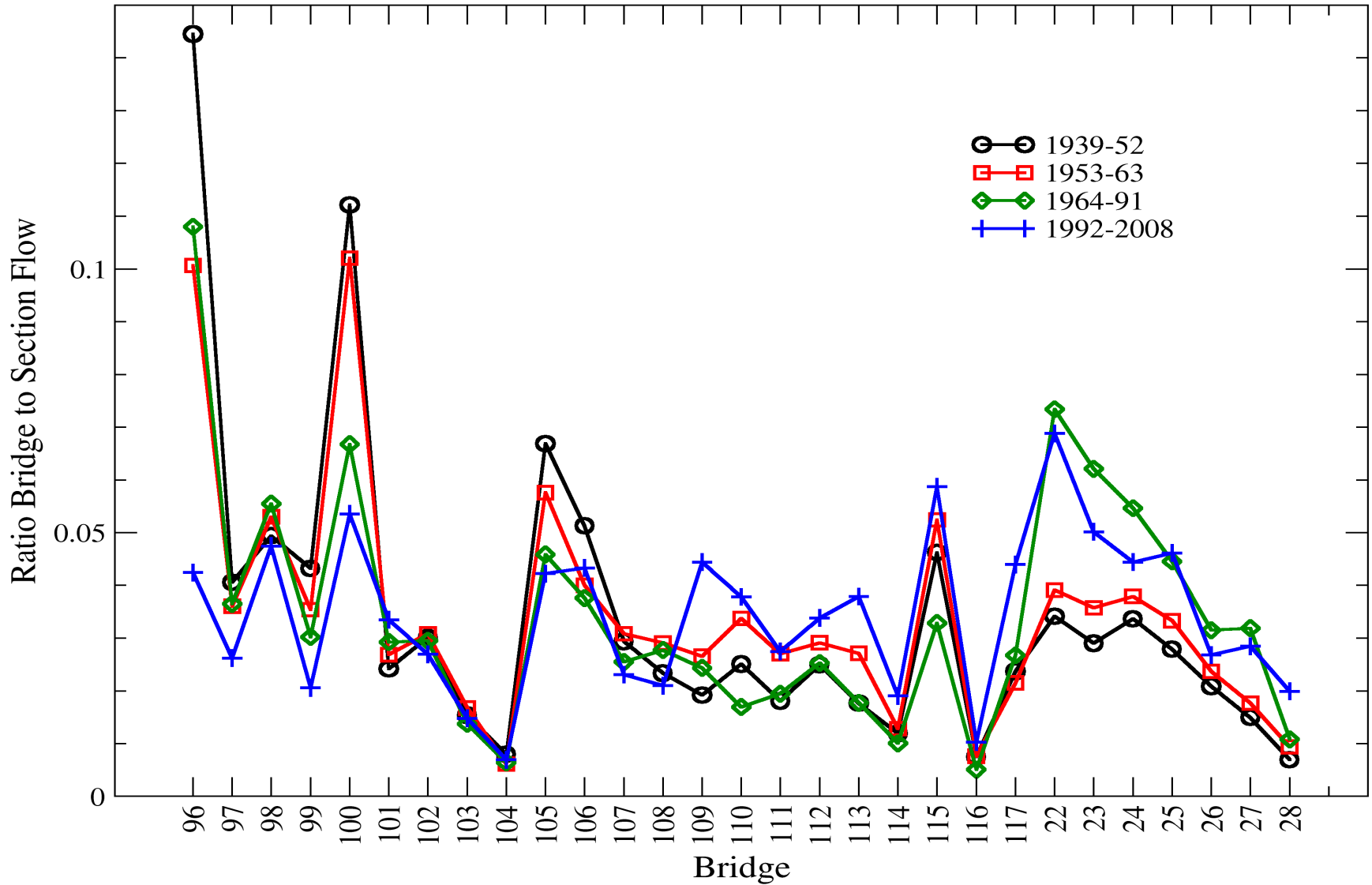
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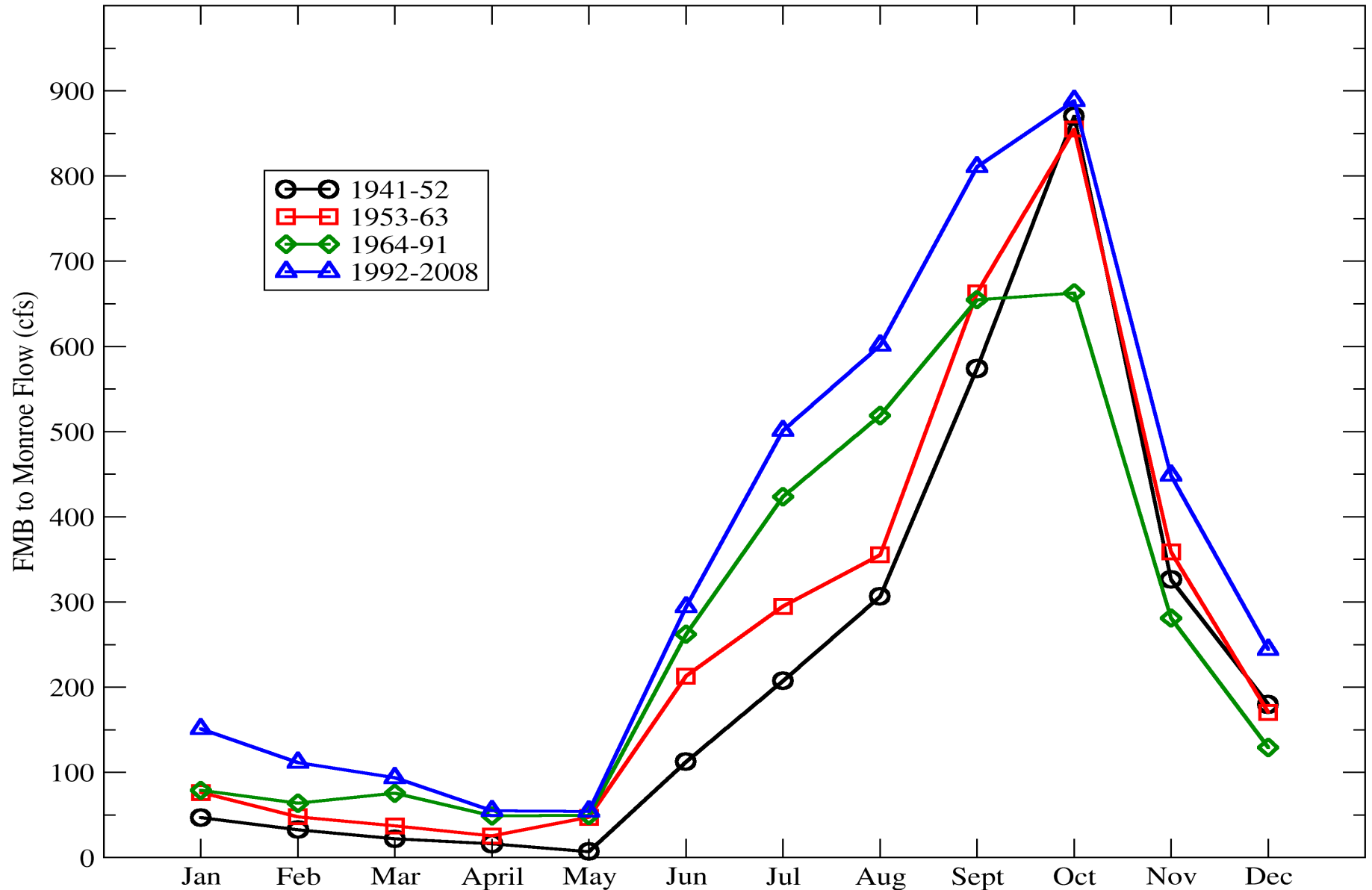
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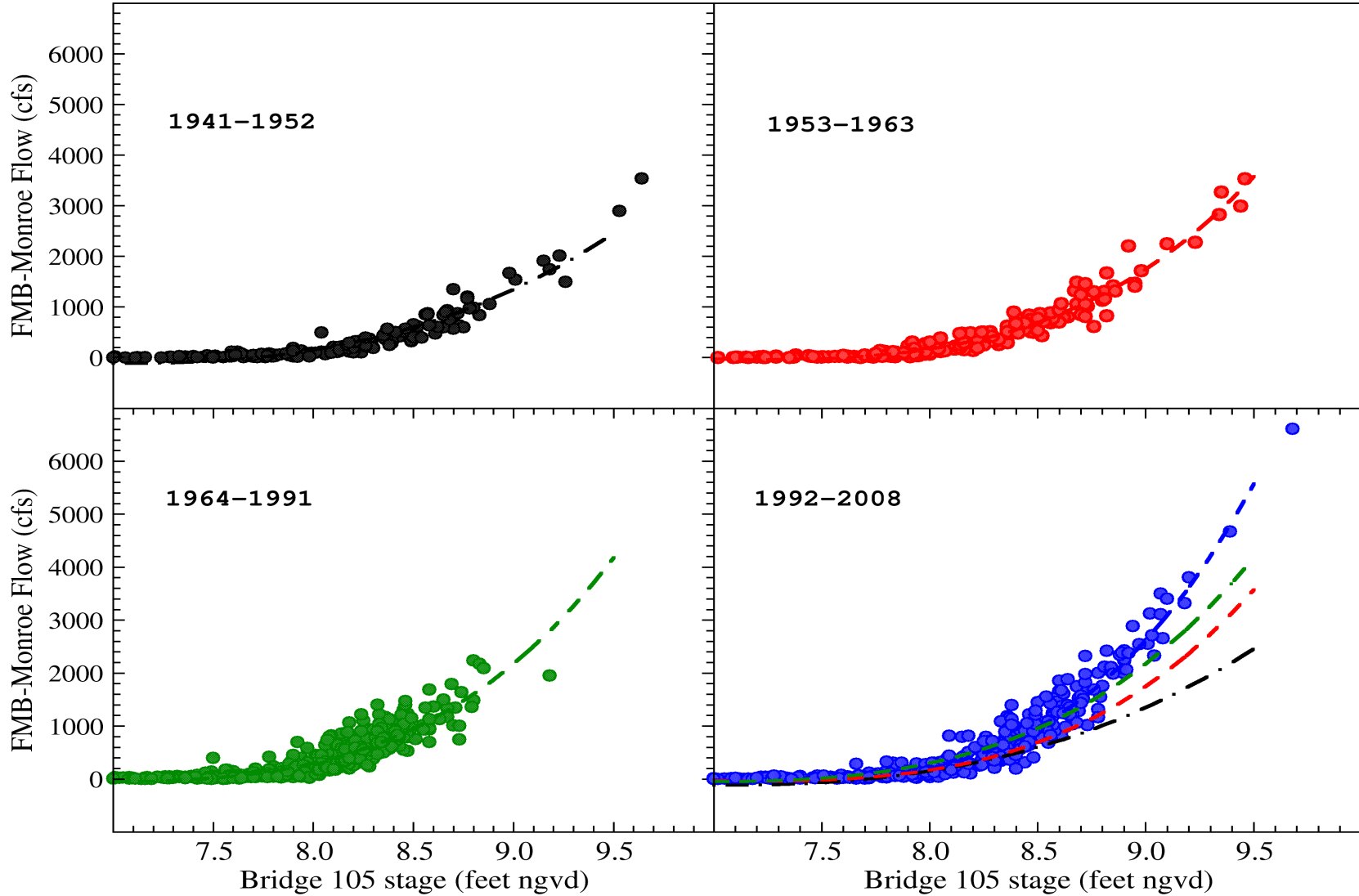
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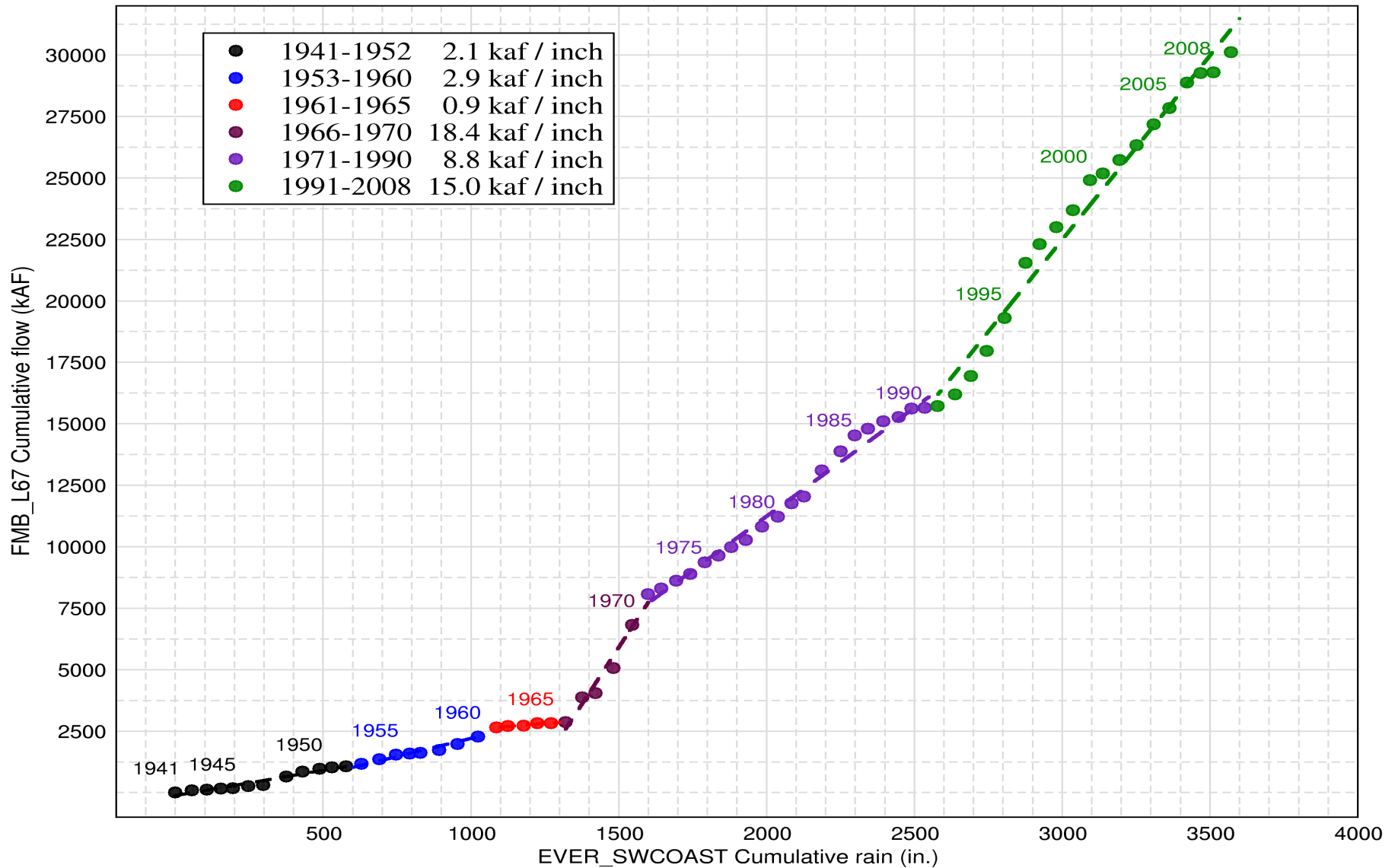
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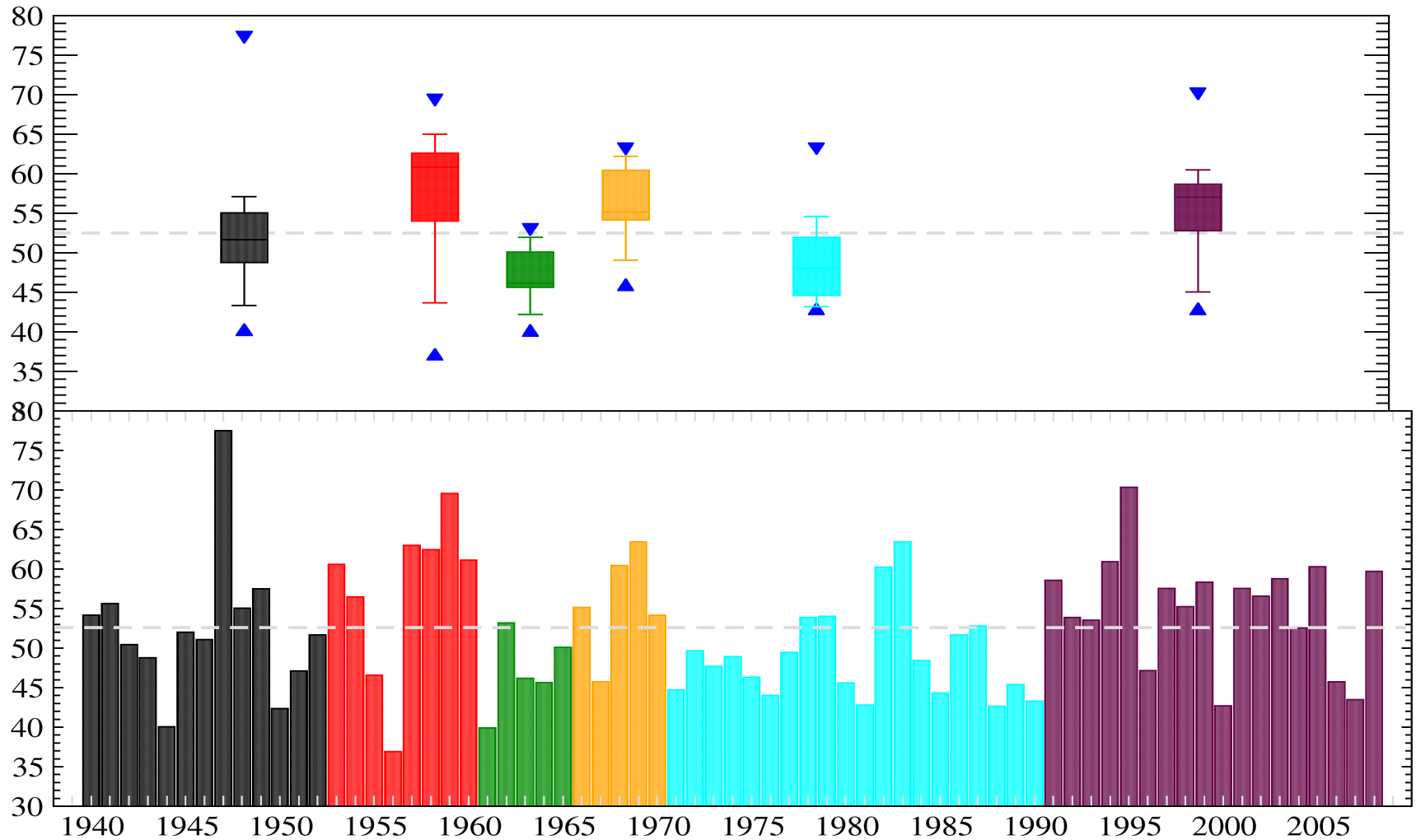
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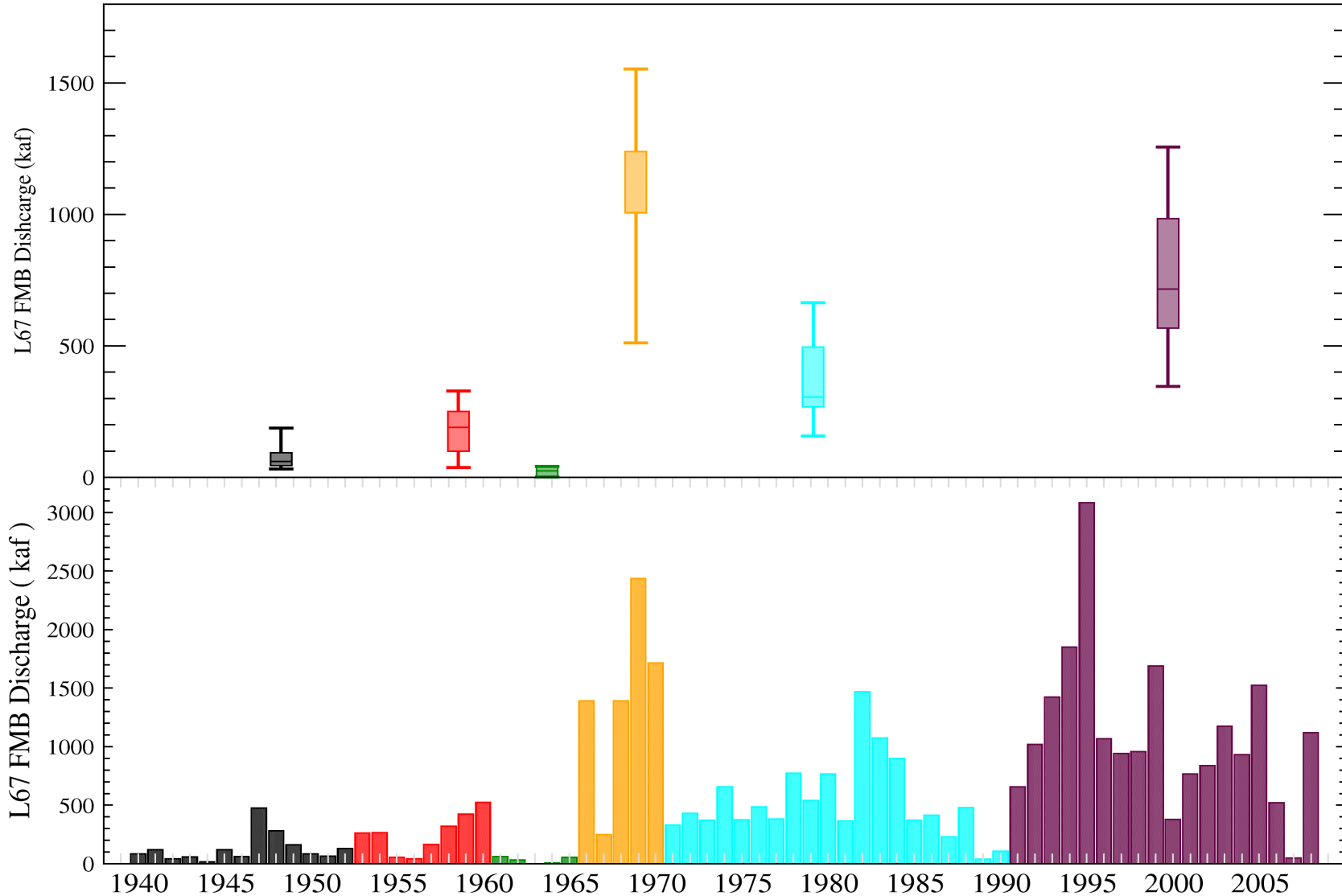
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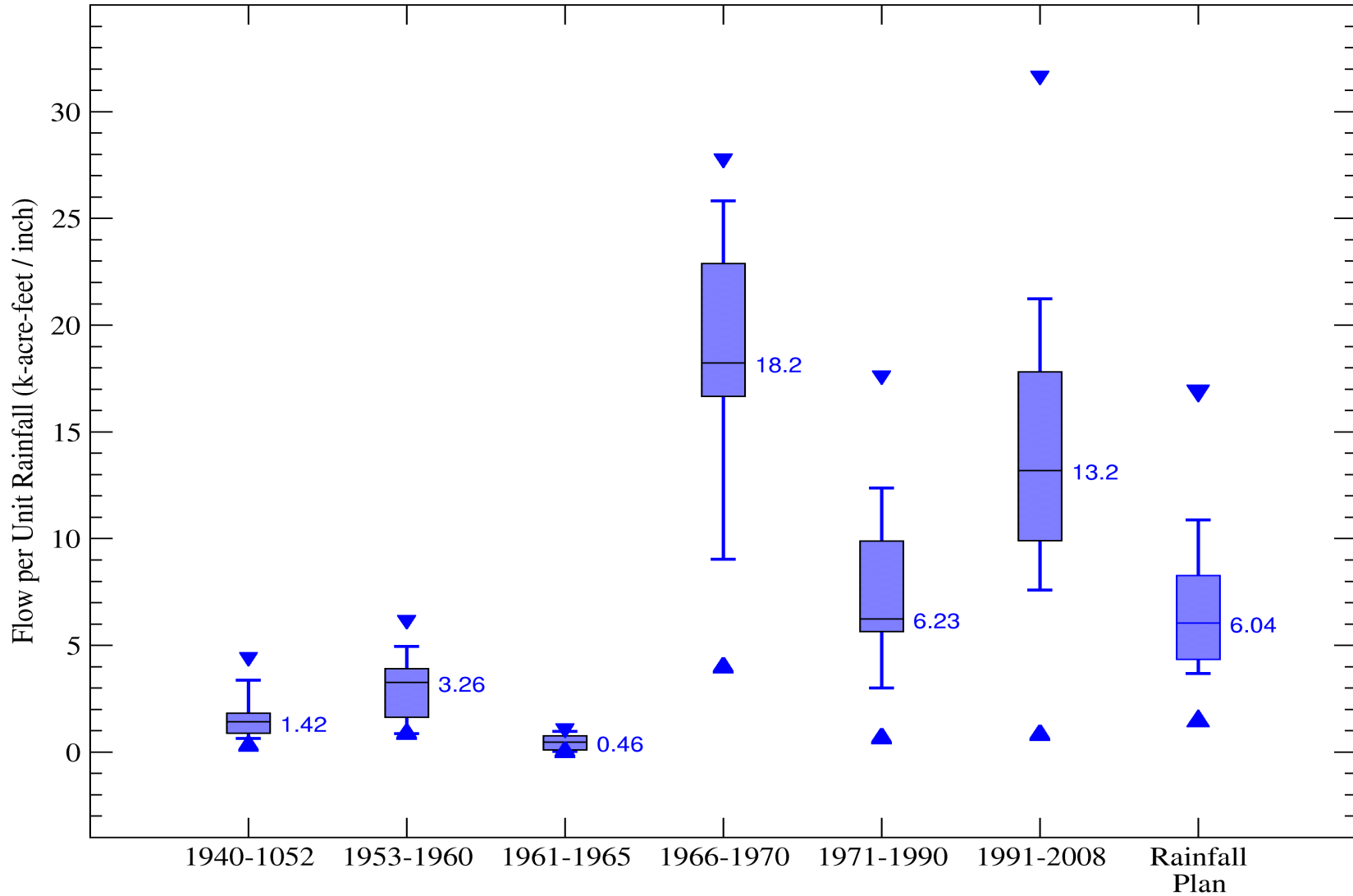
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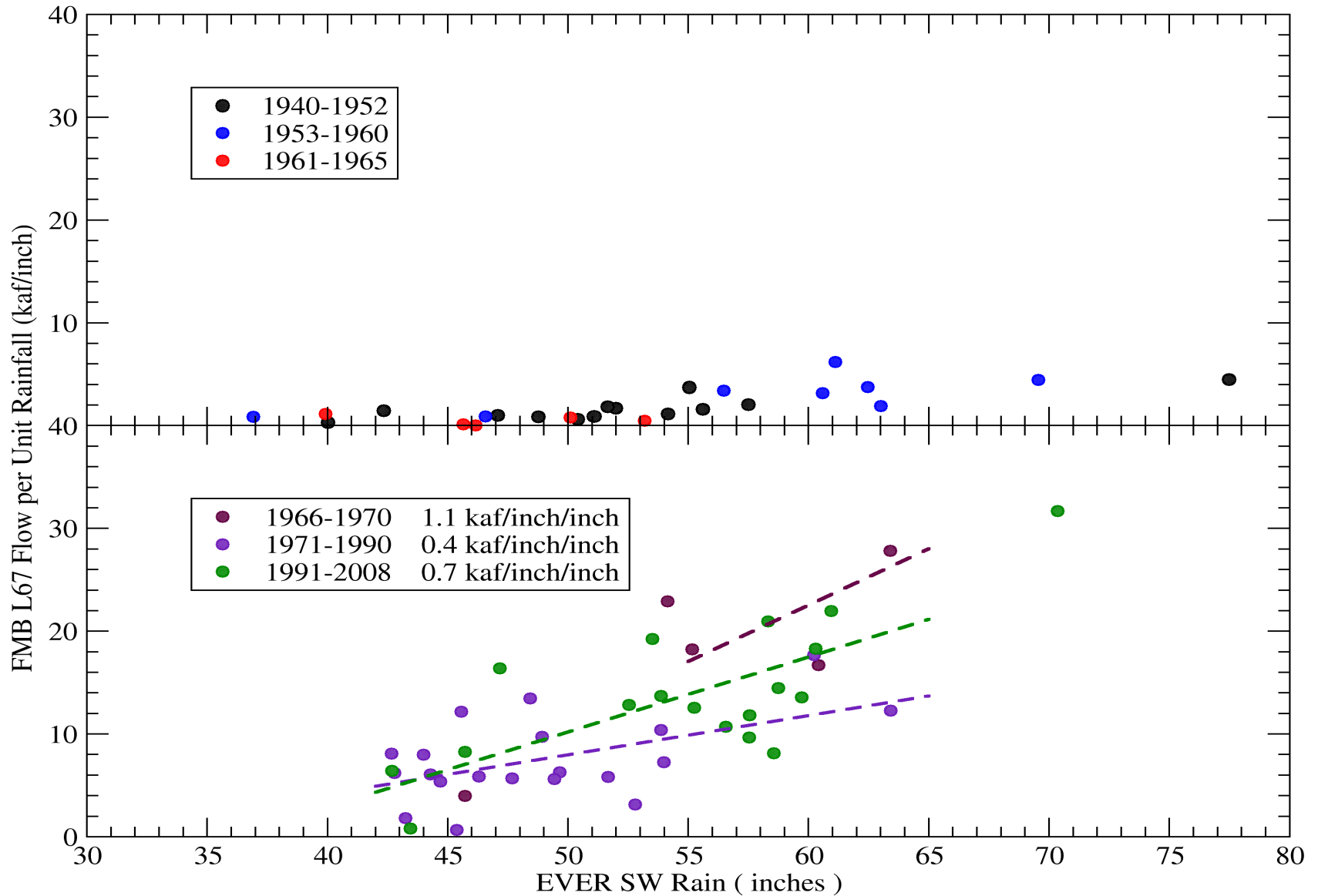
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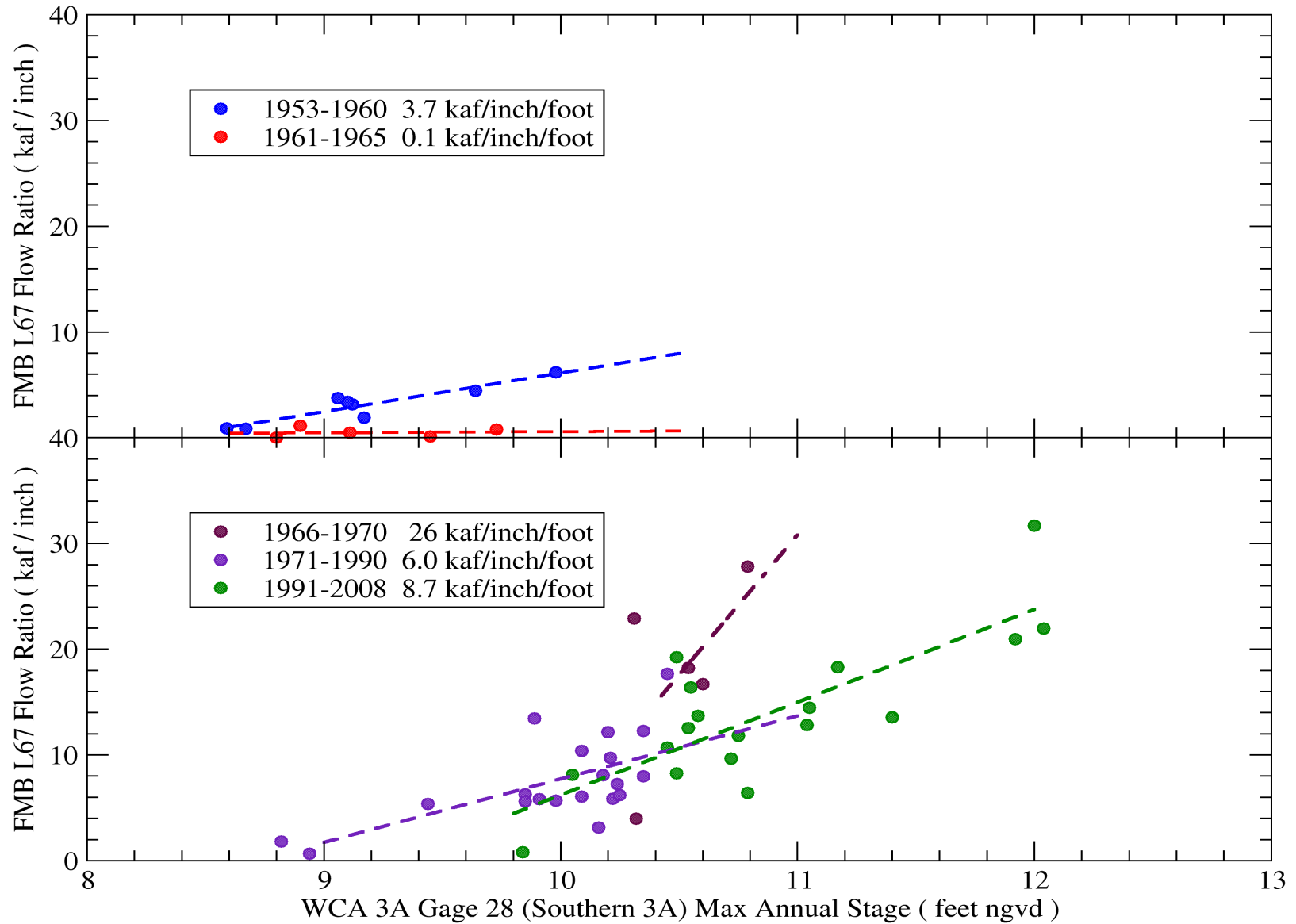
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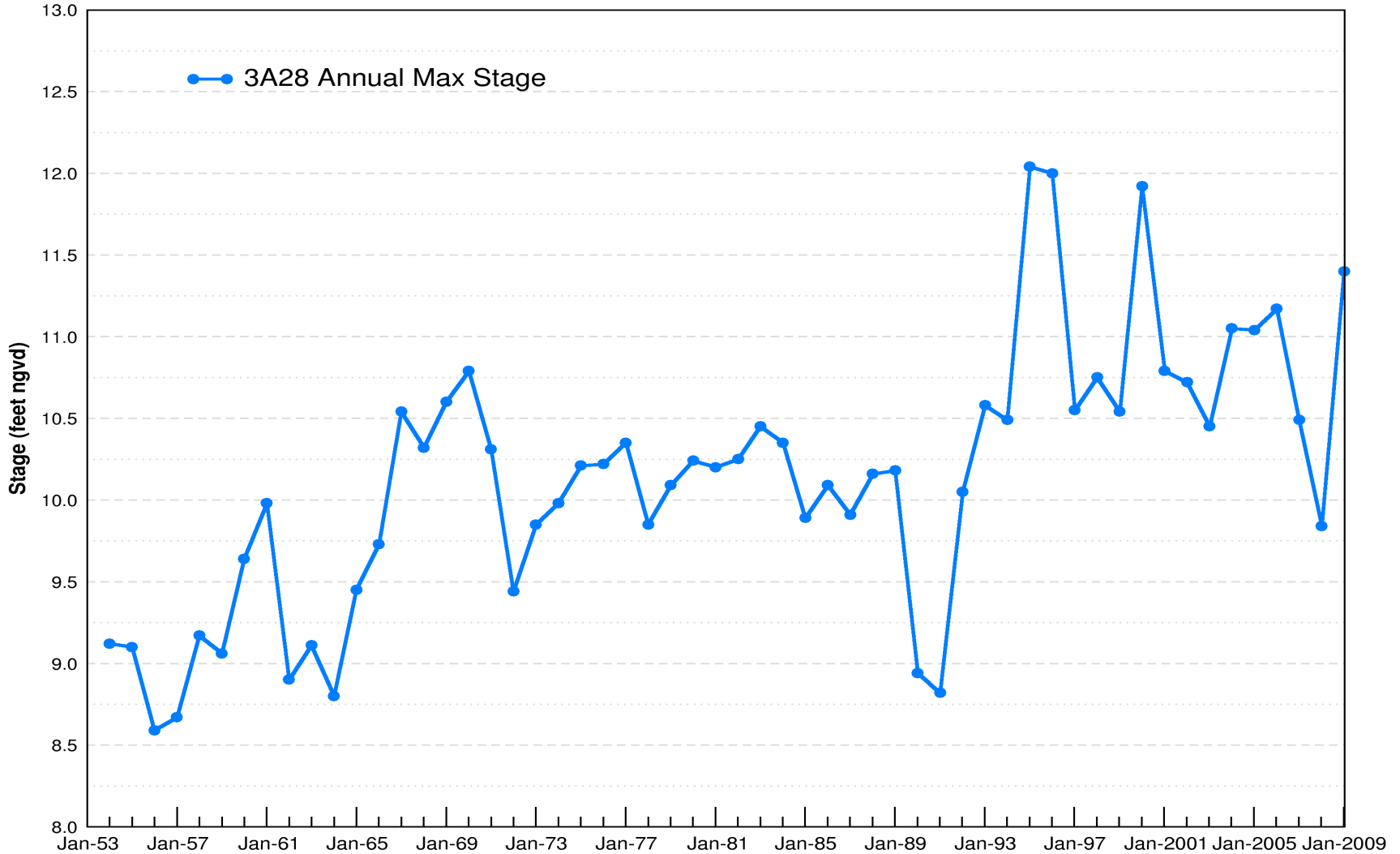
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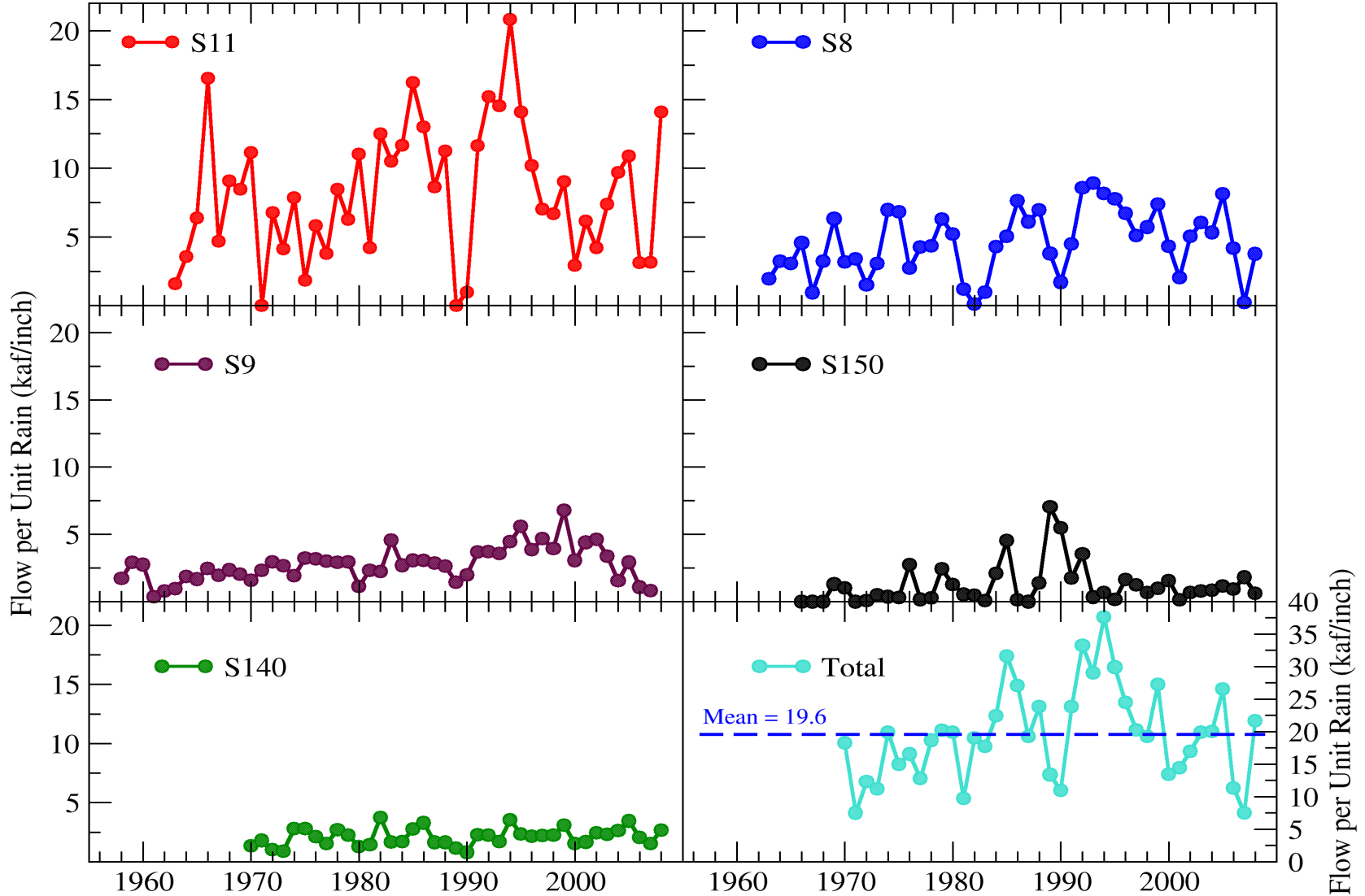
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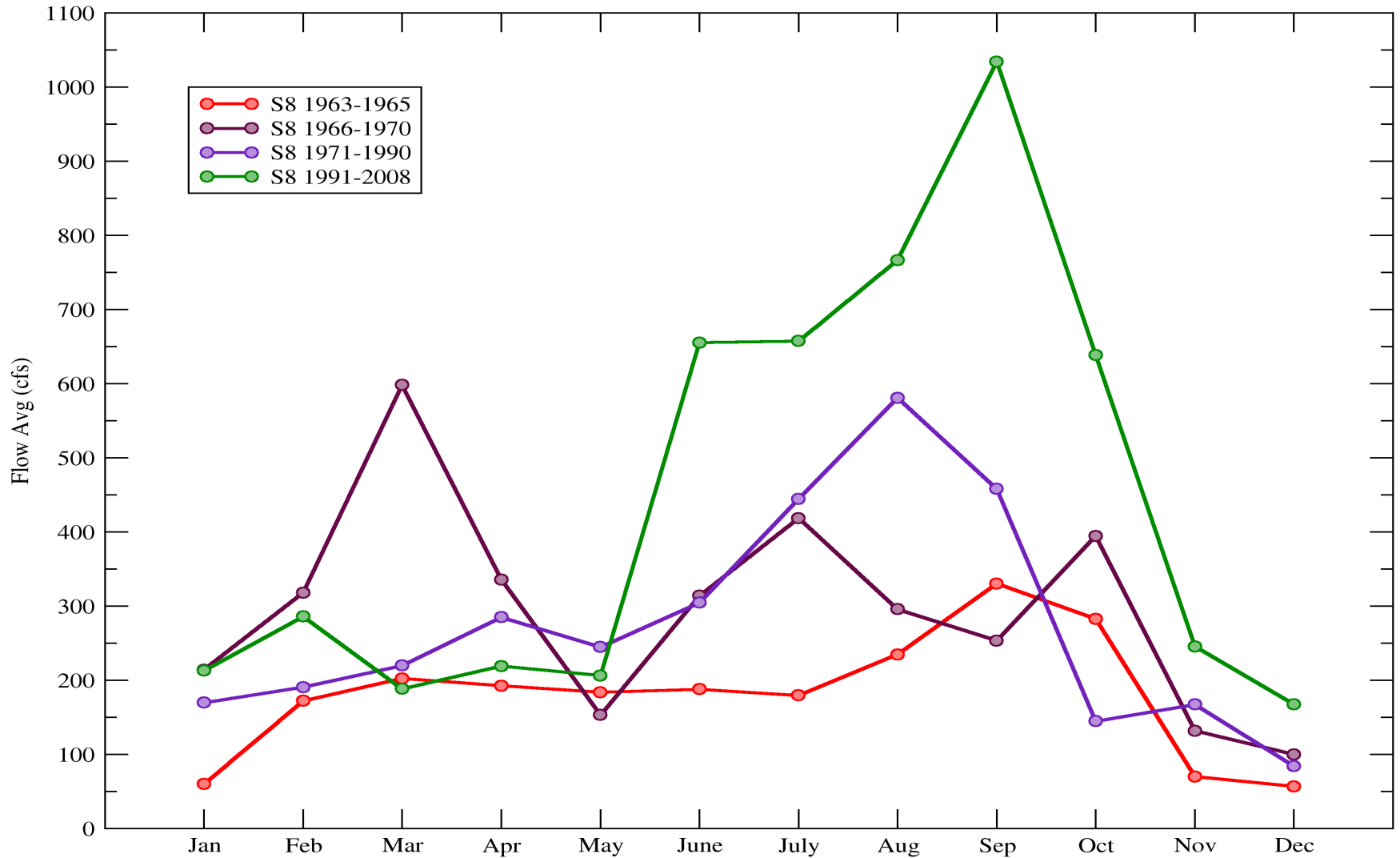
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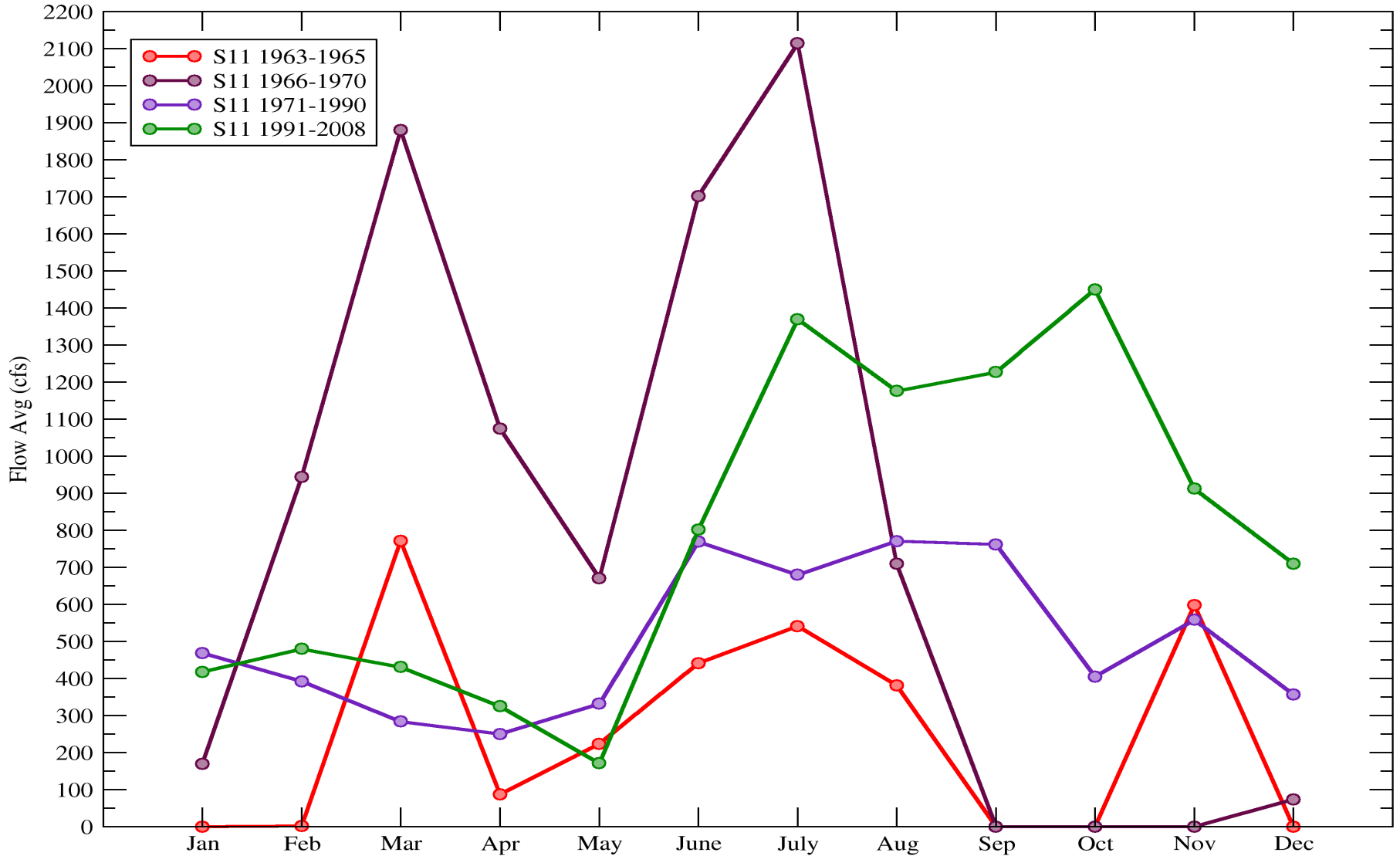
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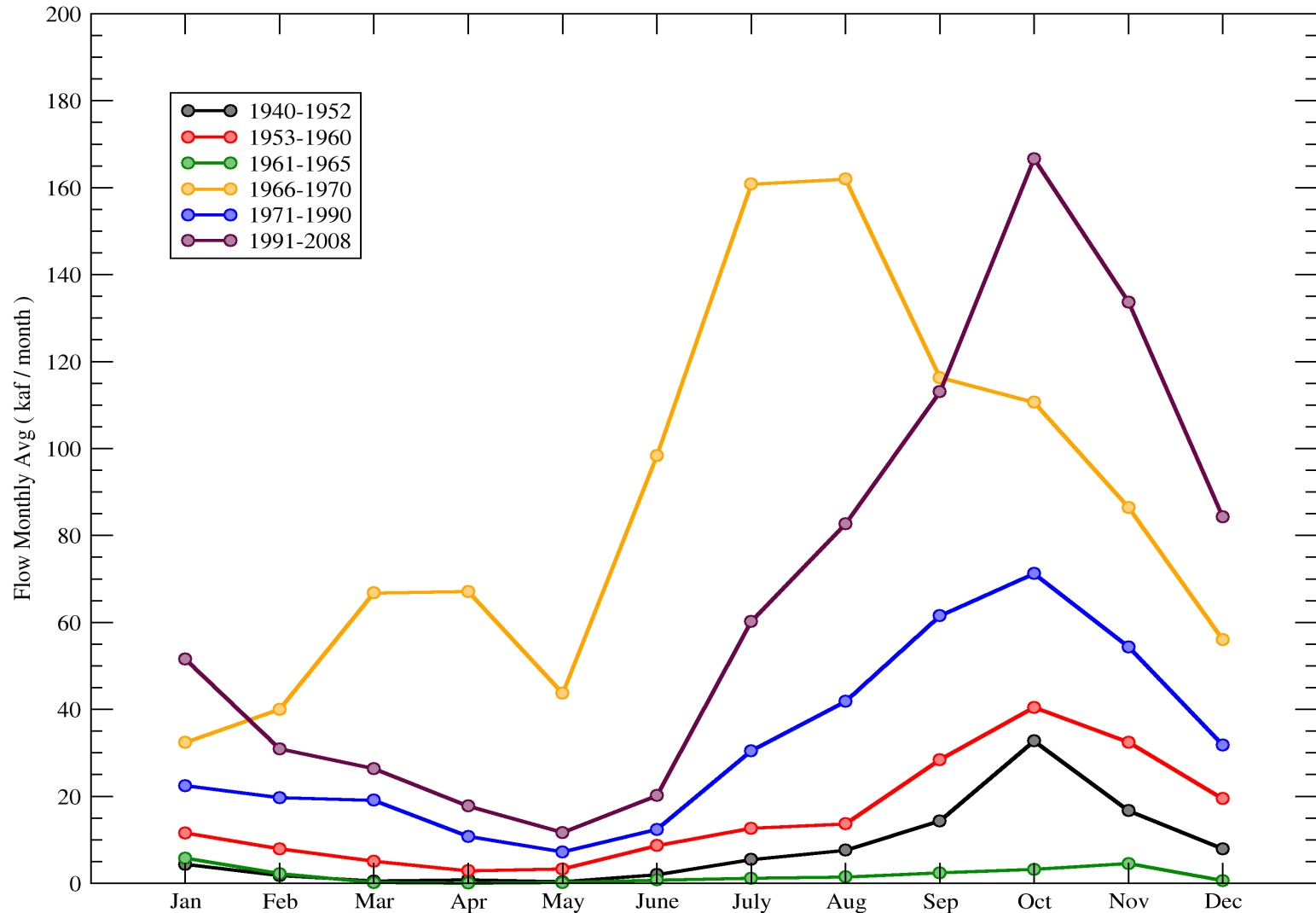
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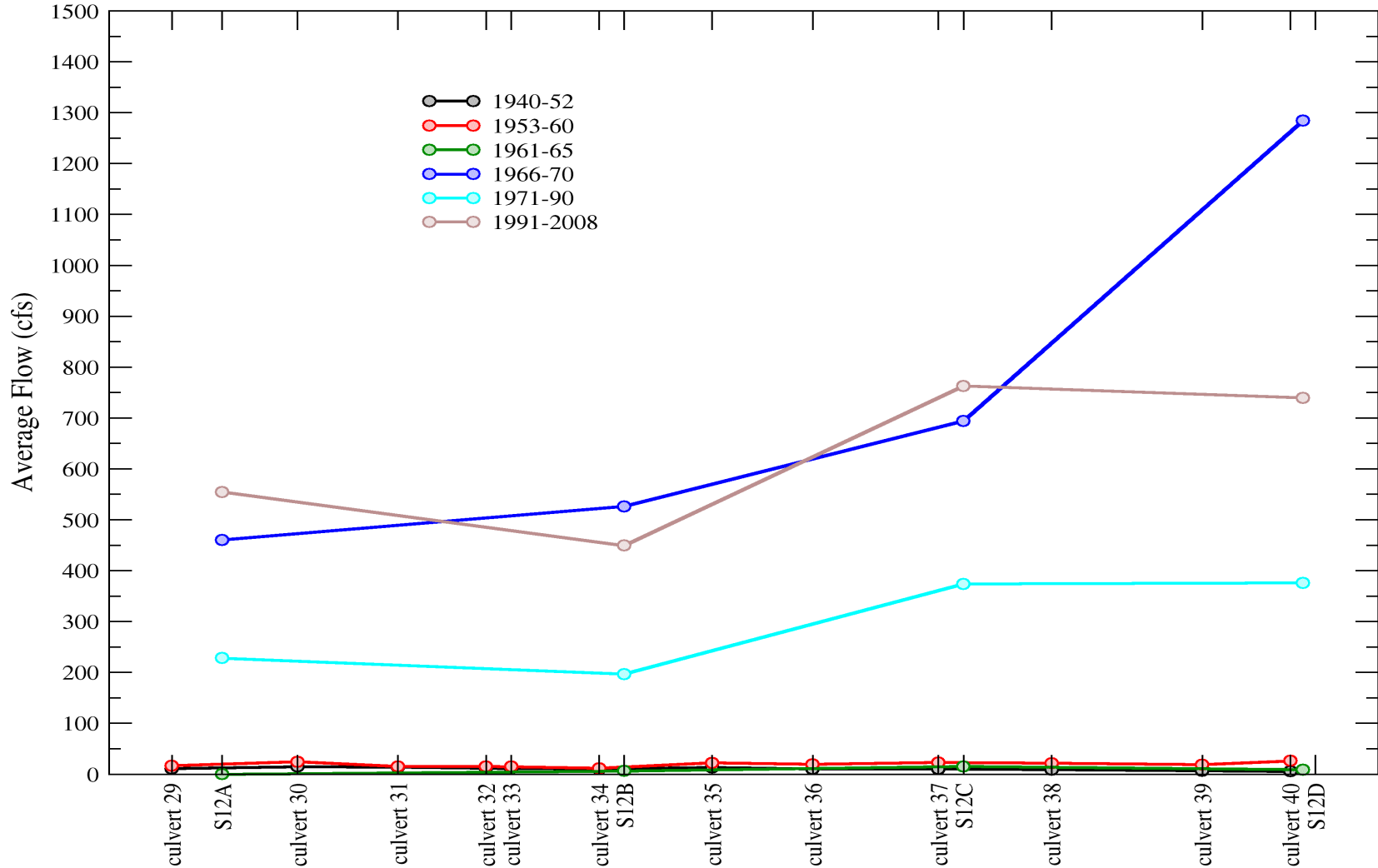
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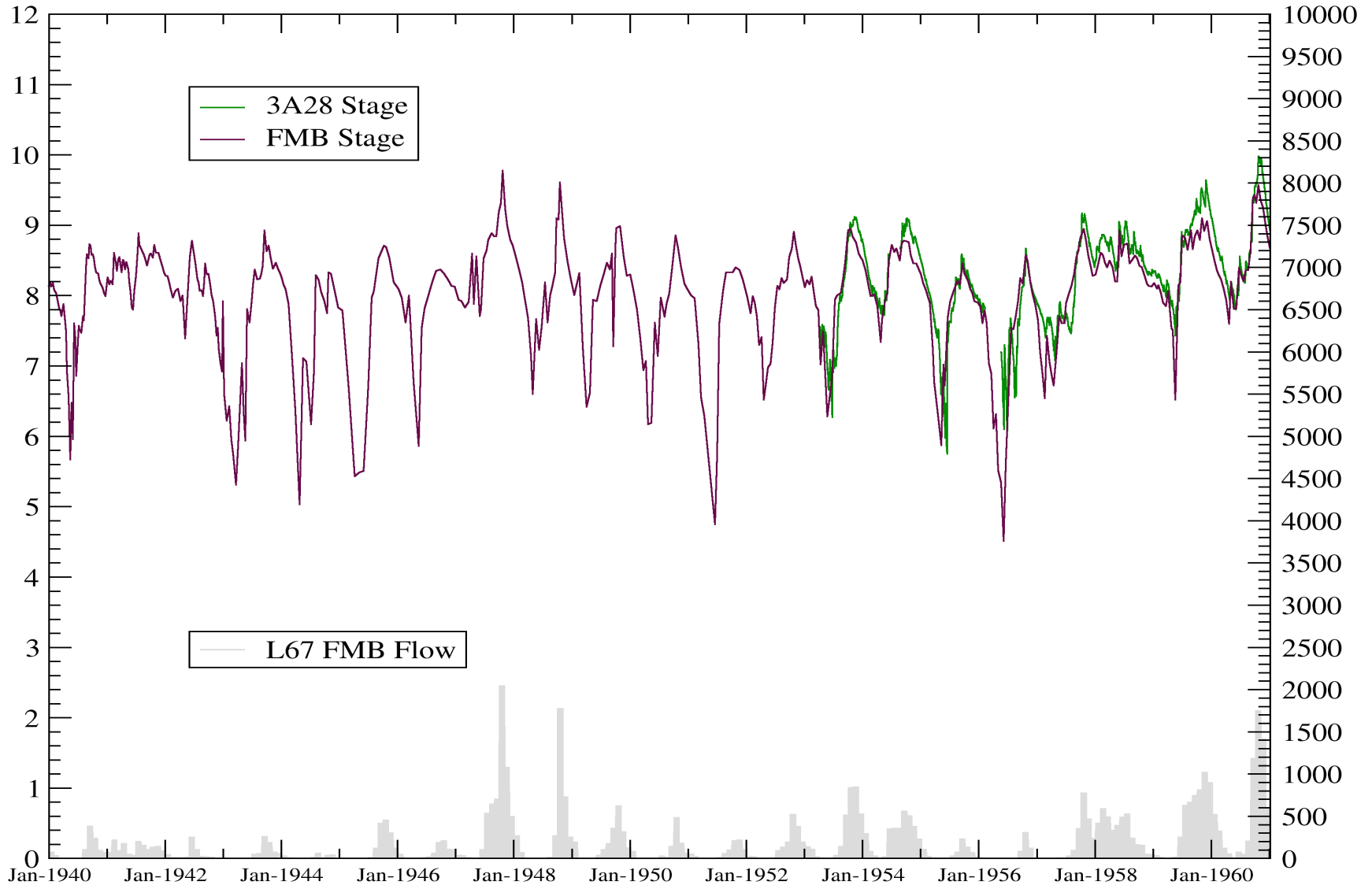
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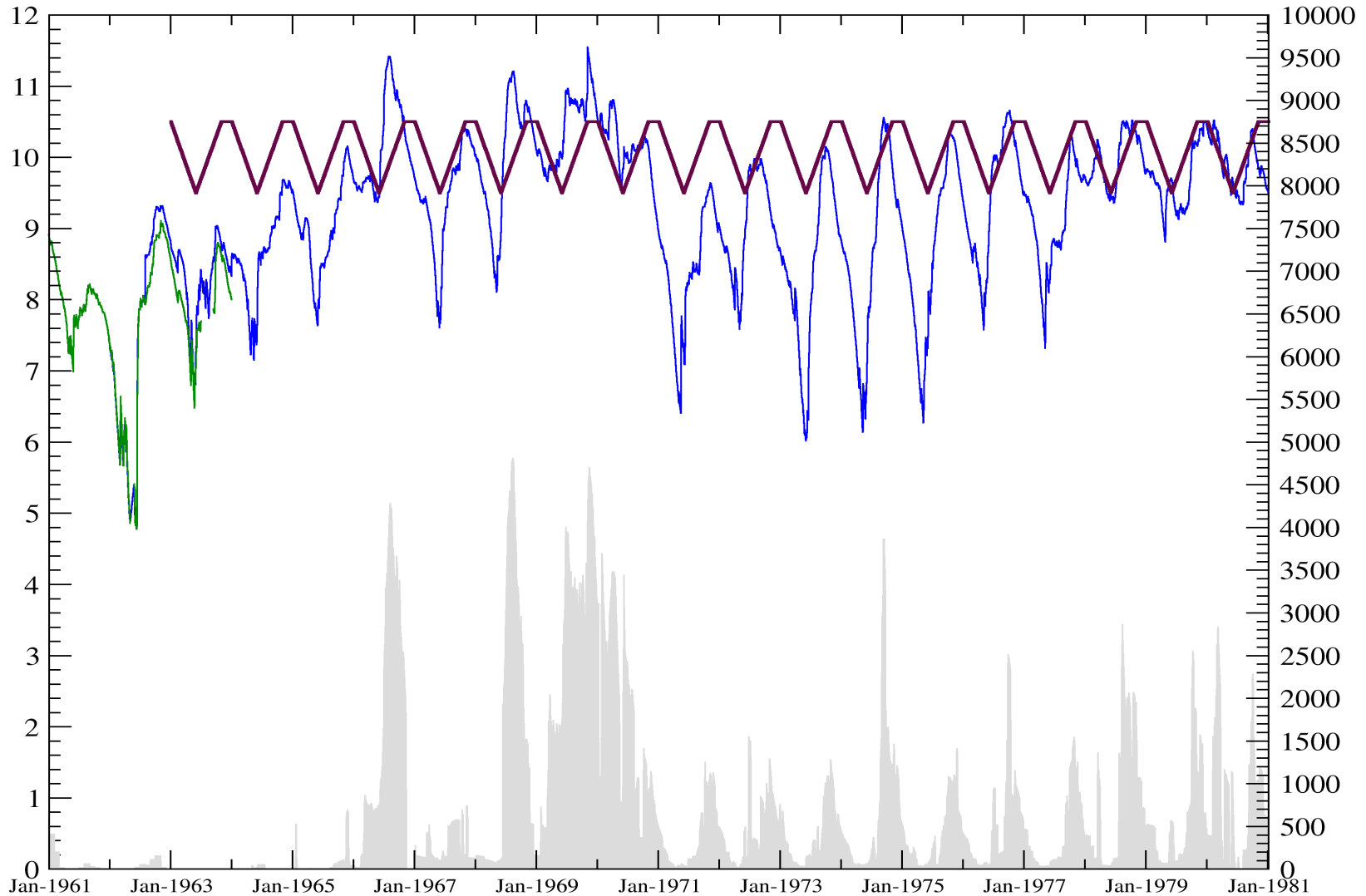


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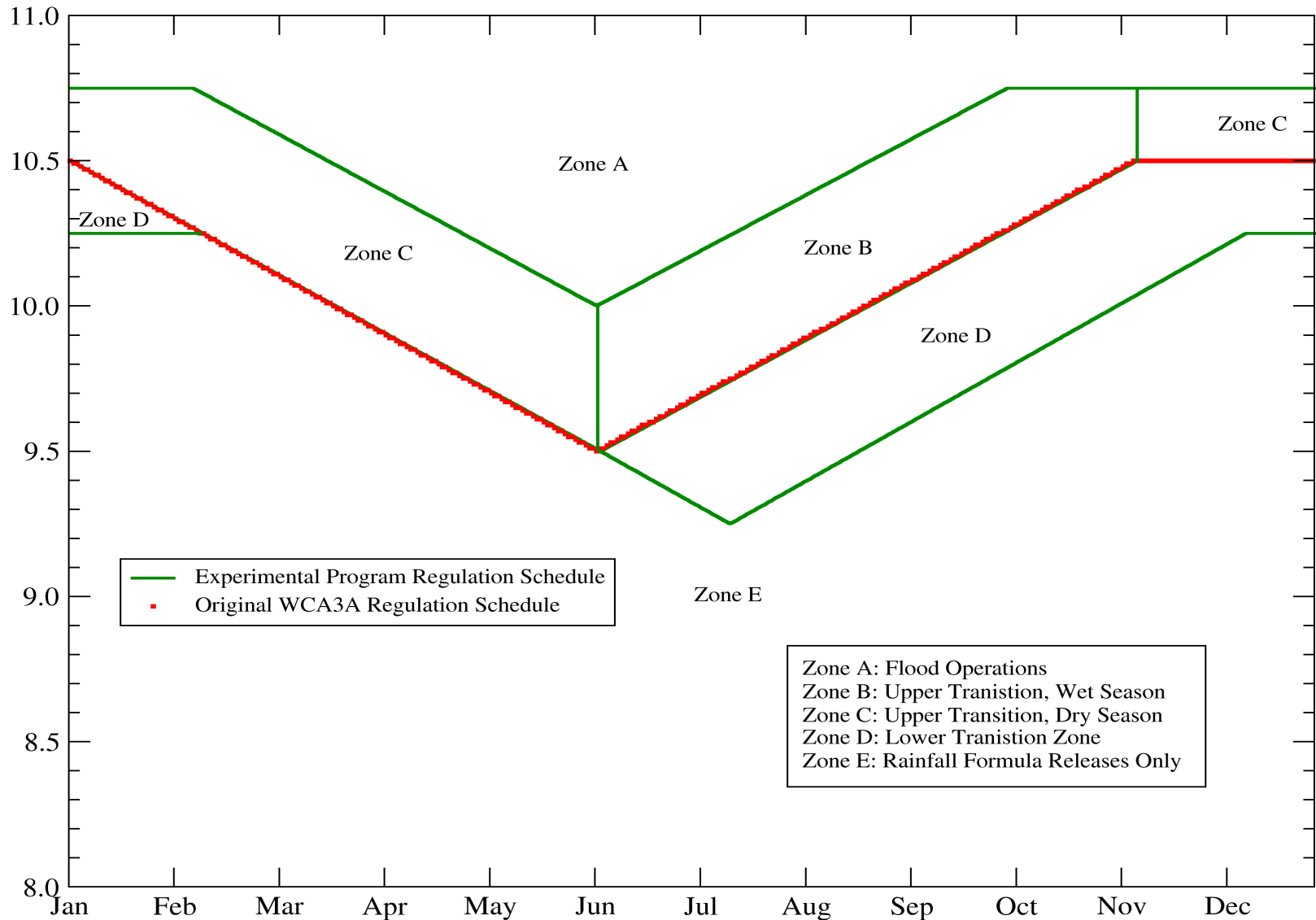
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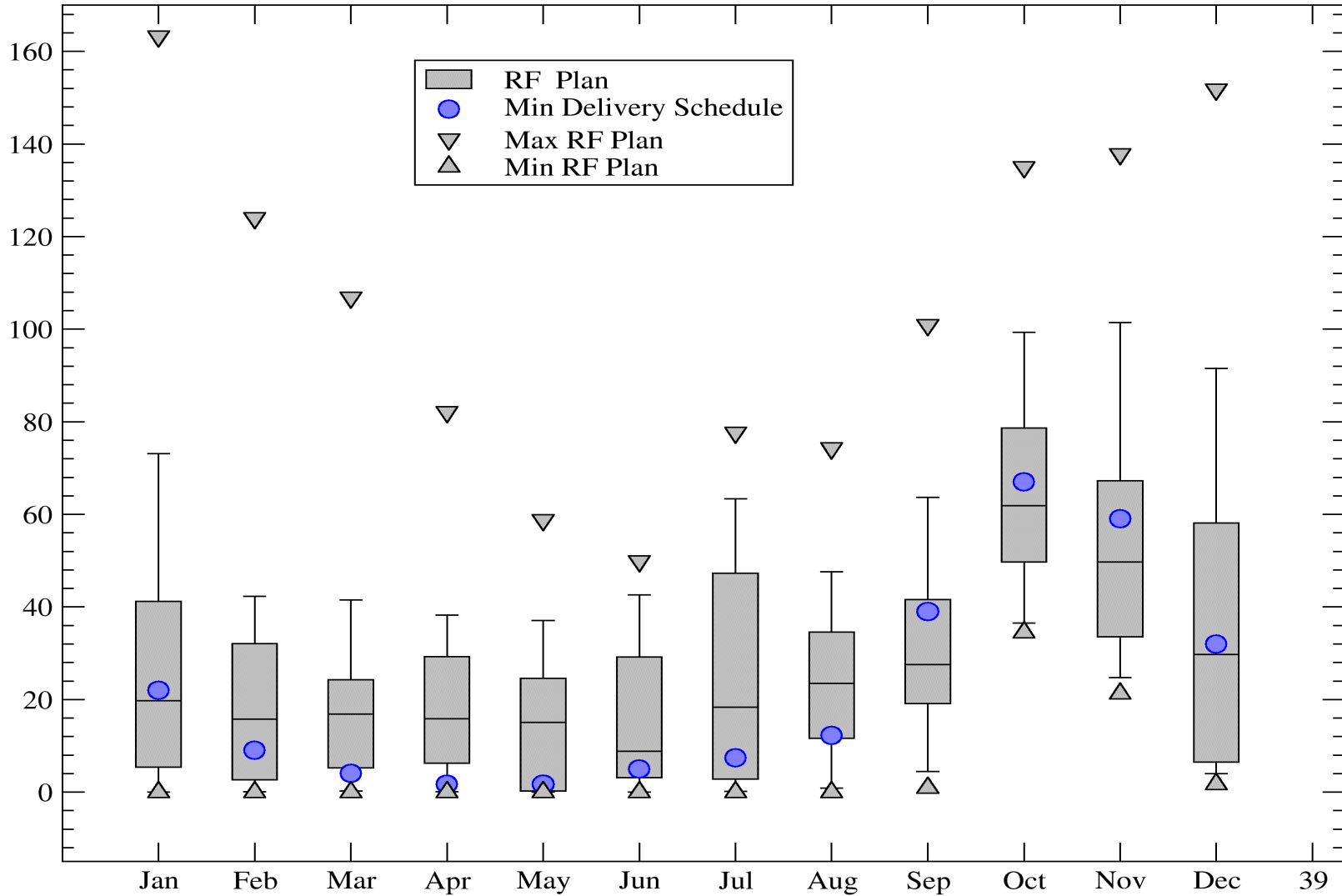
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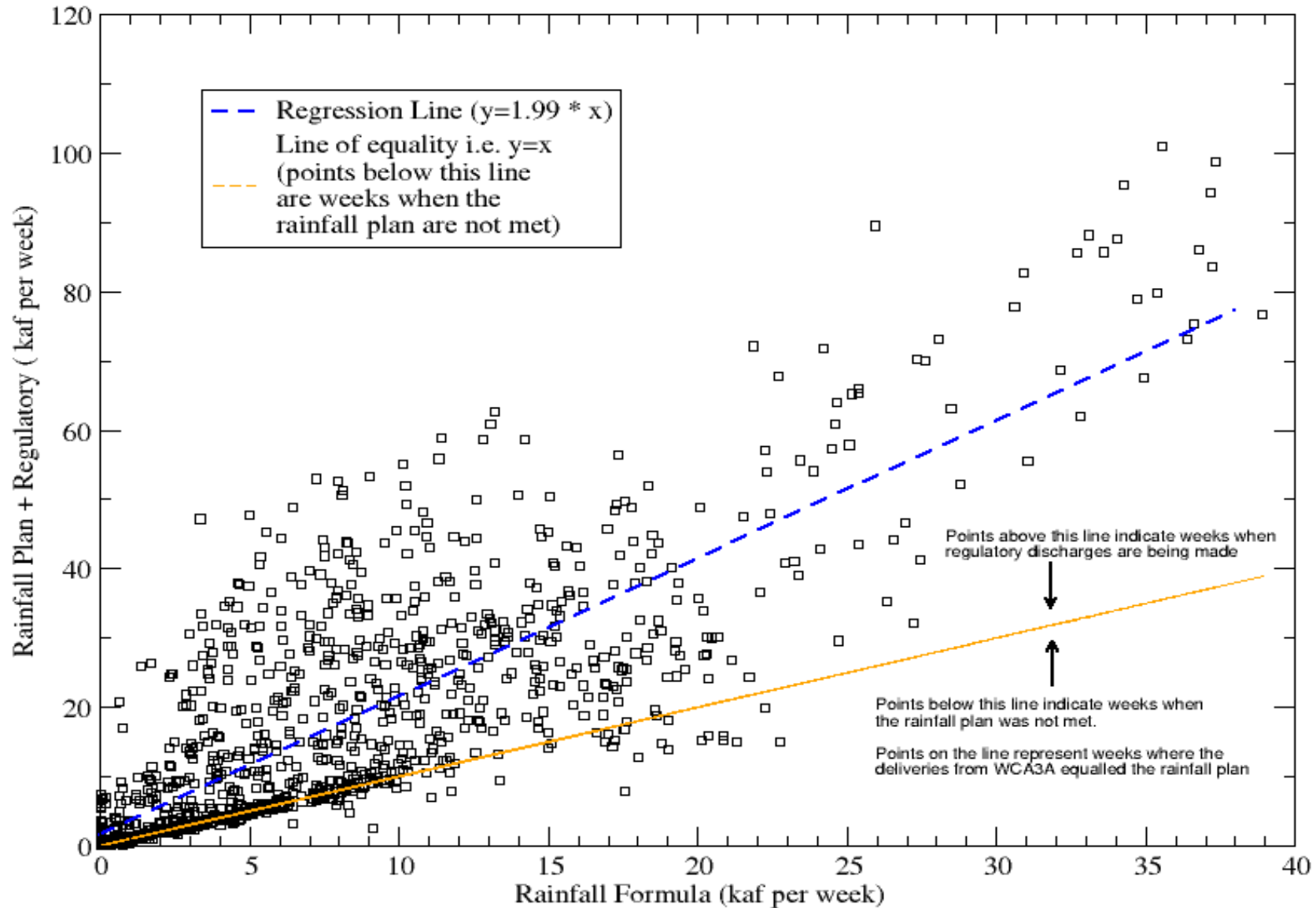
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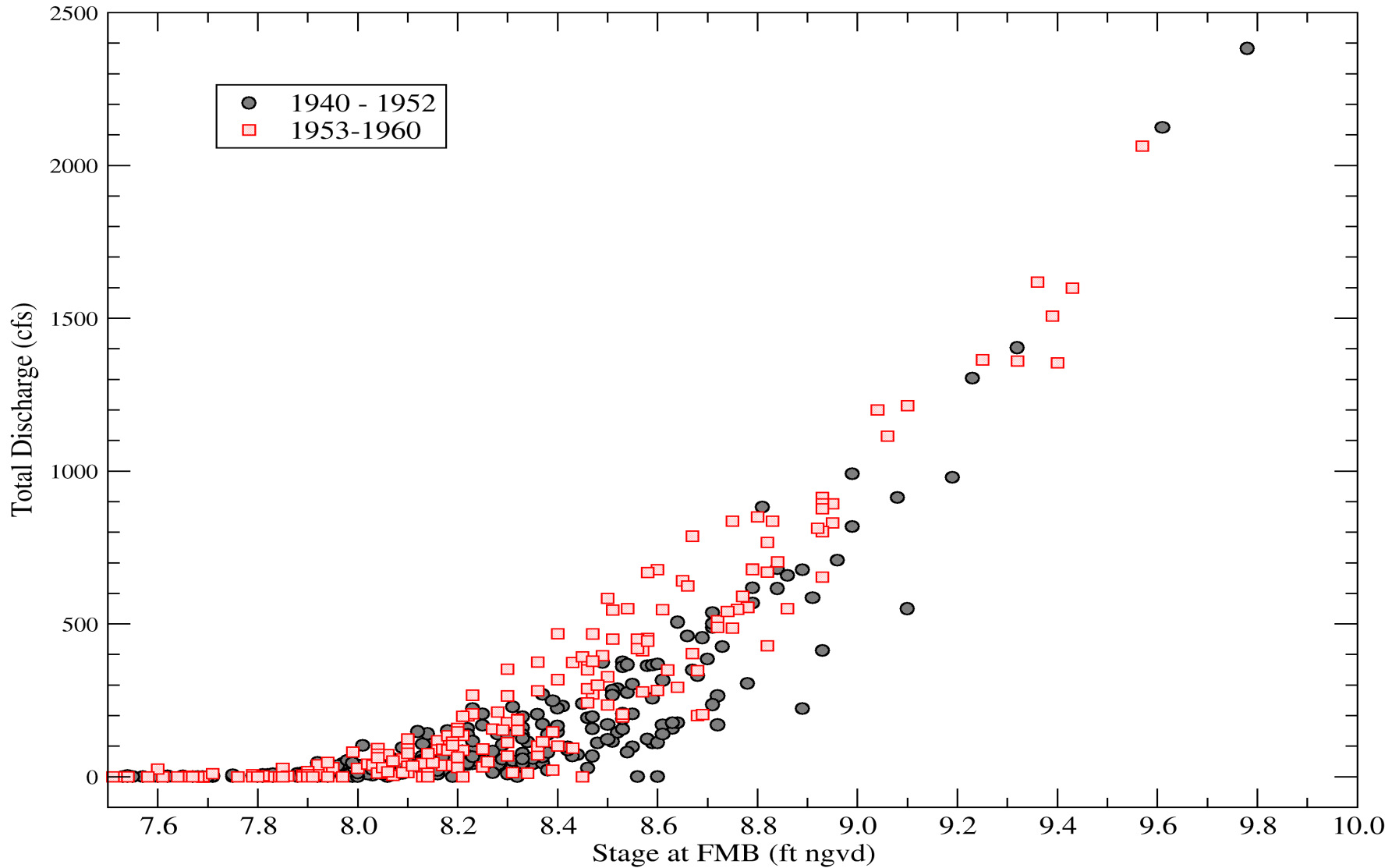




Stage Discharge Relationships

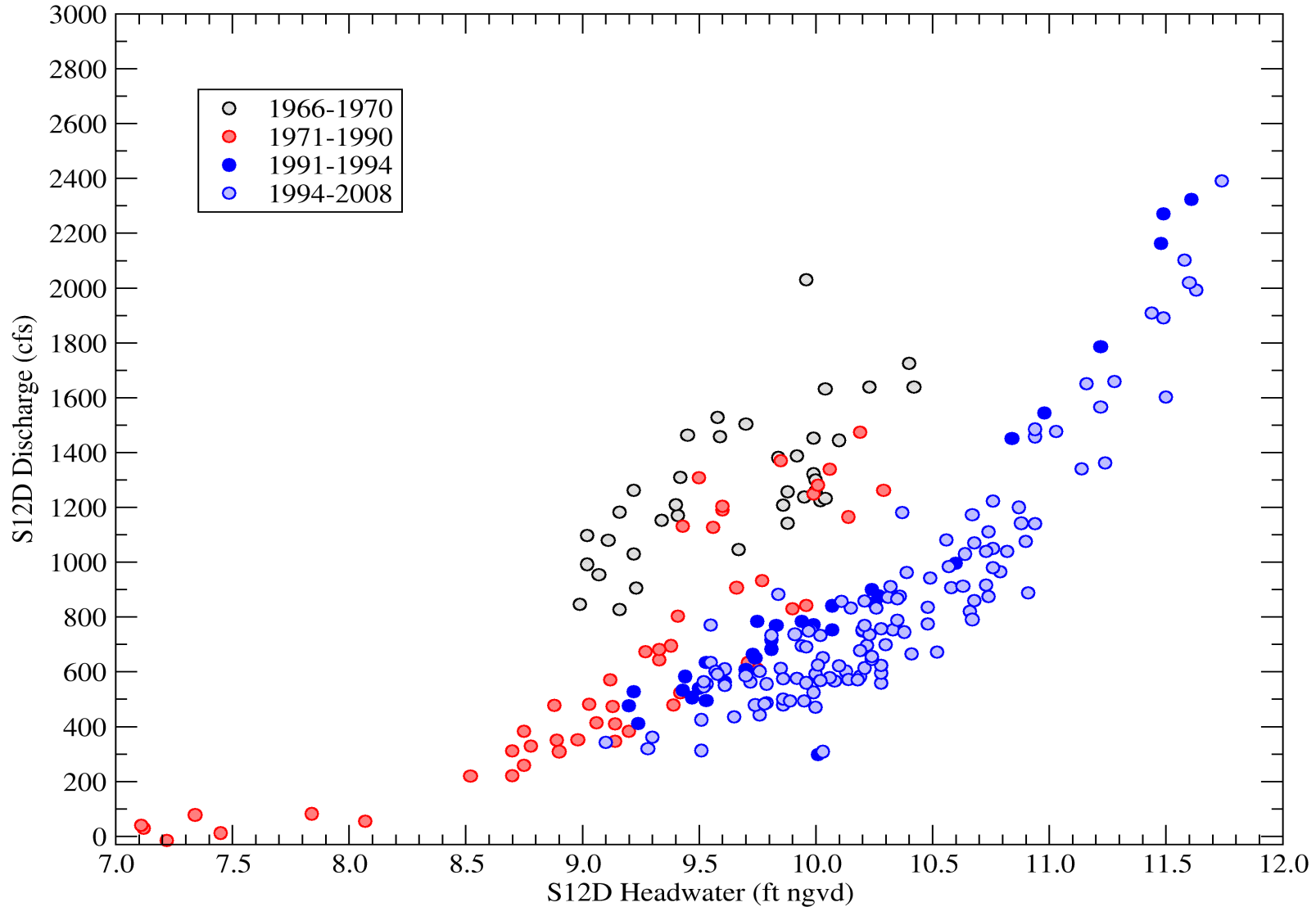
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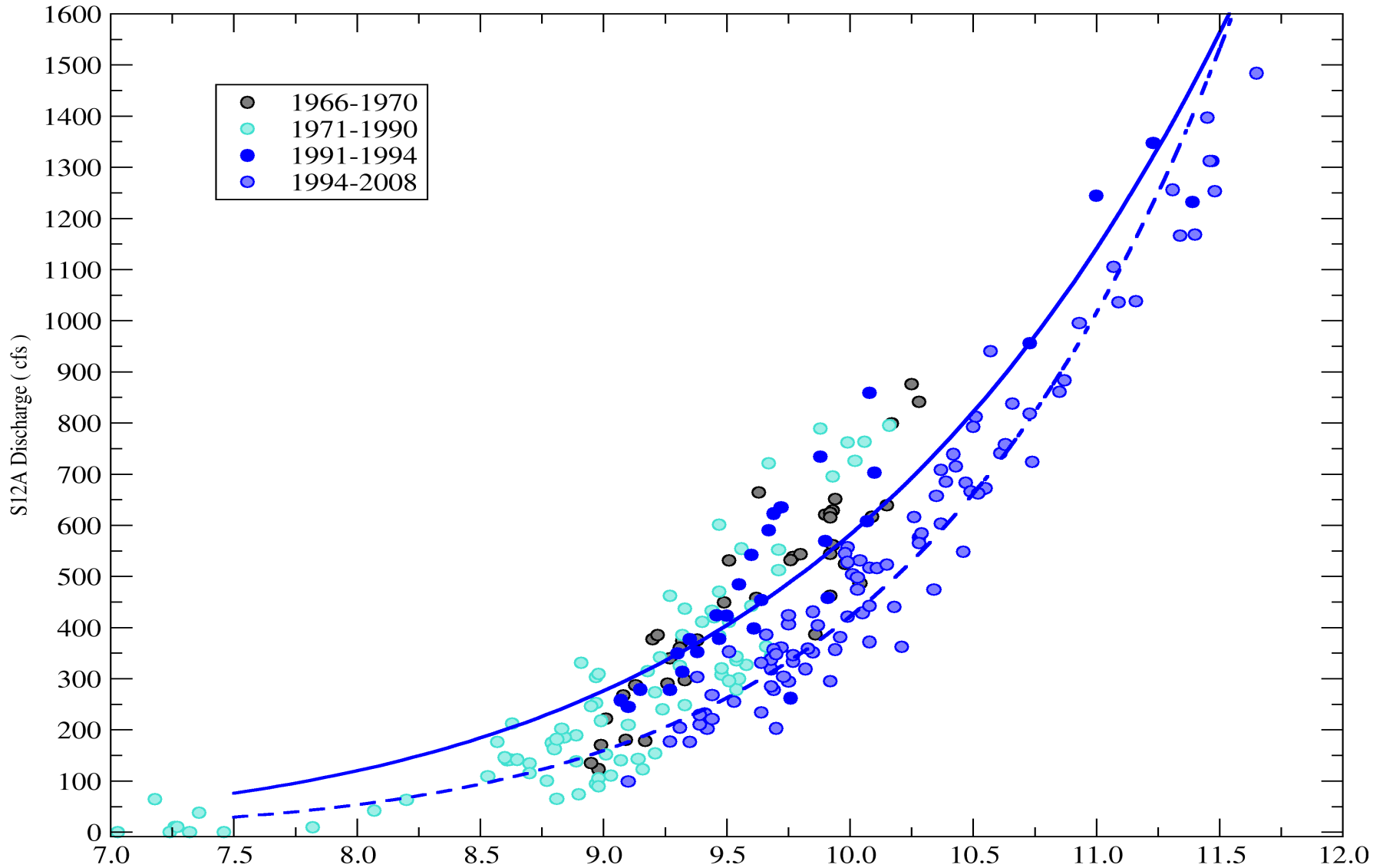
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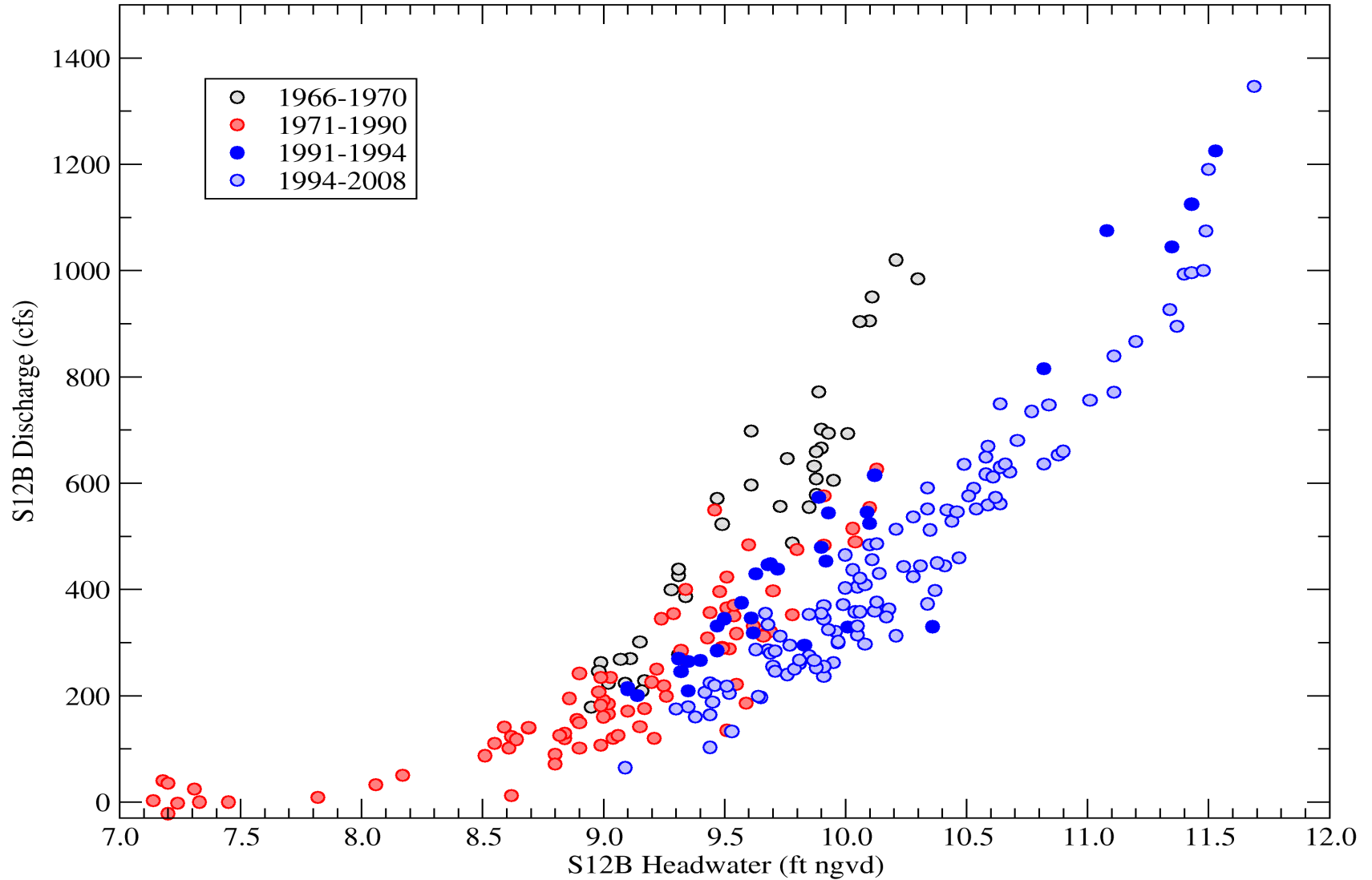
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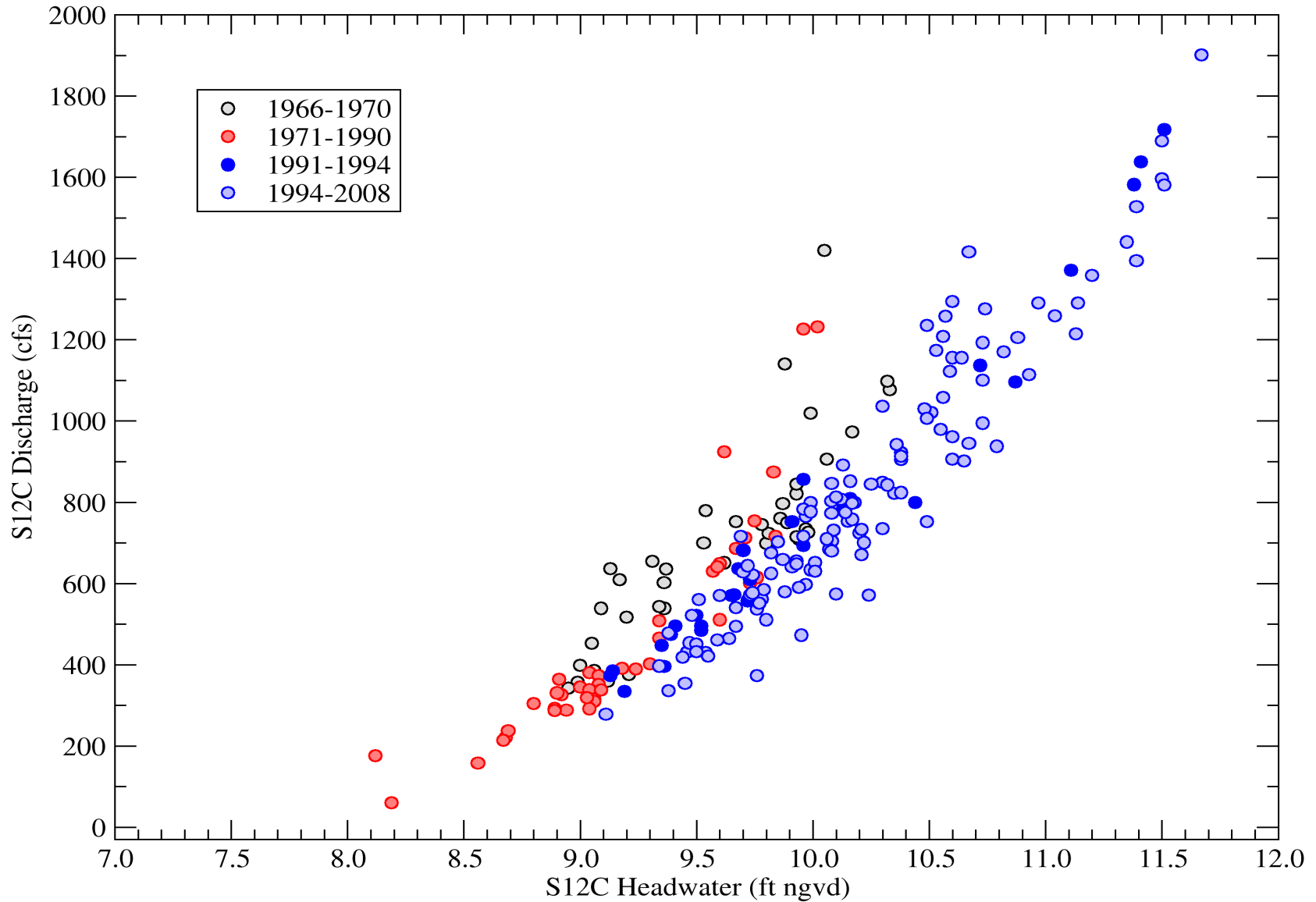
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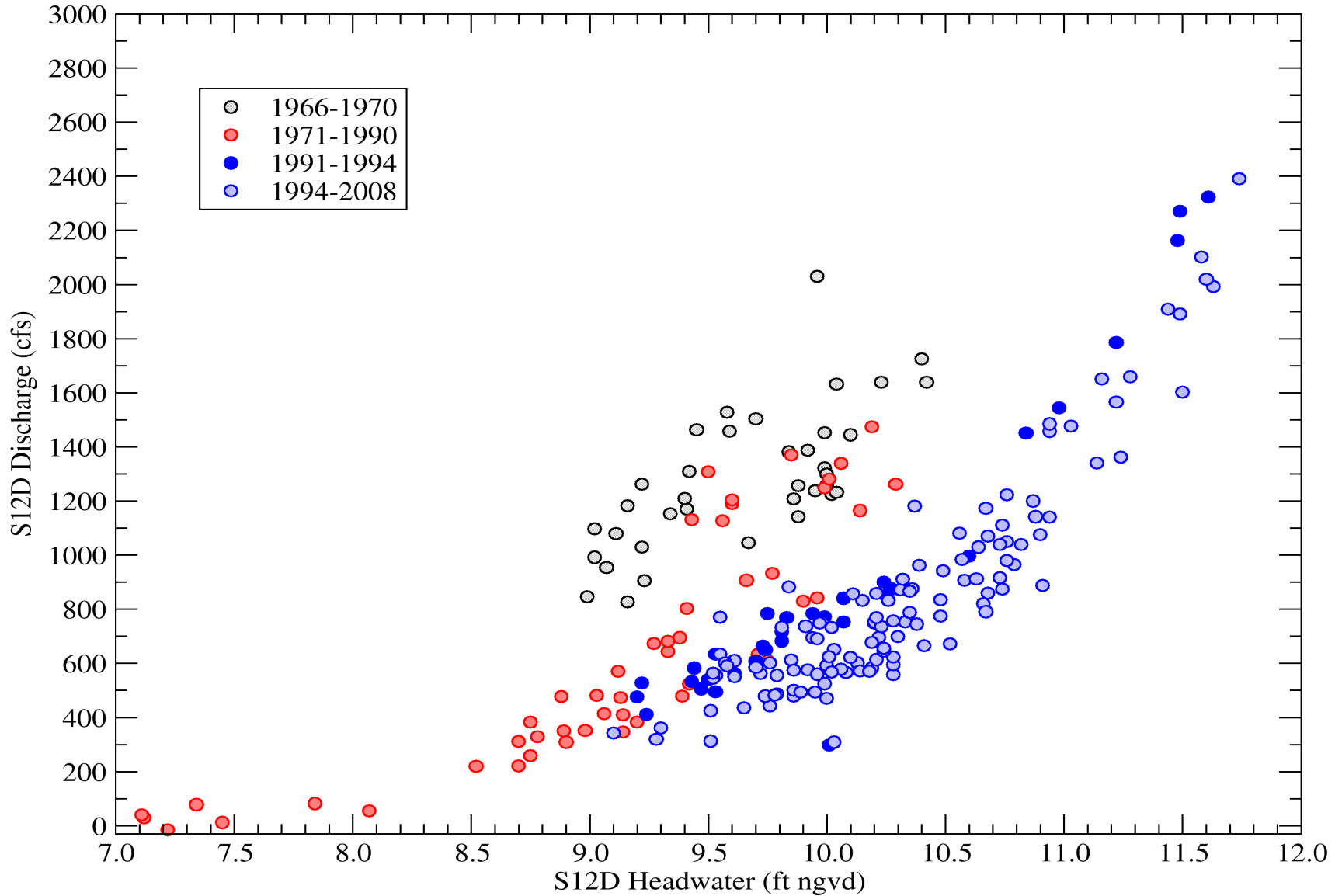
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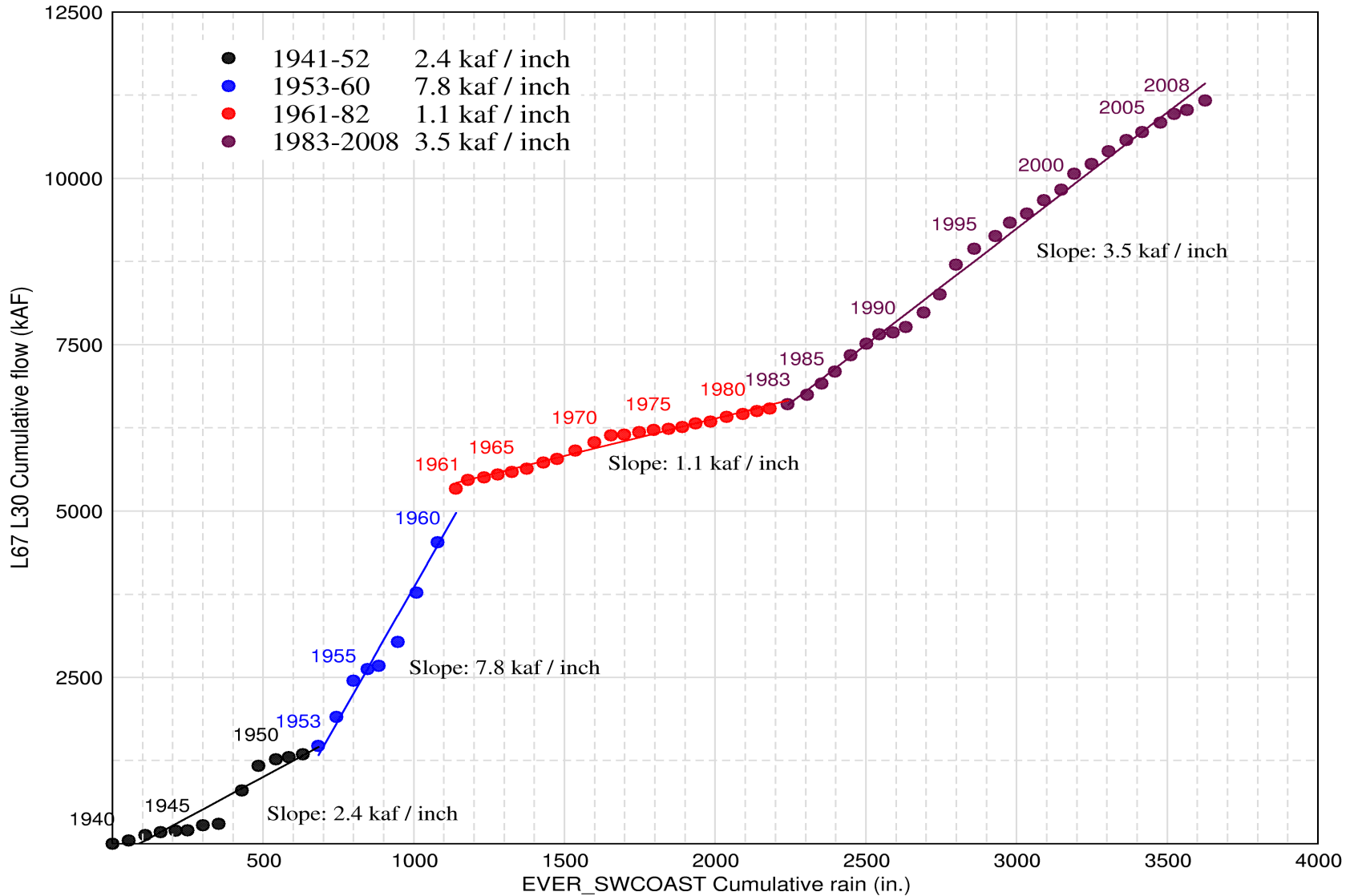
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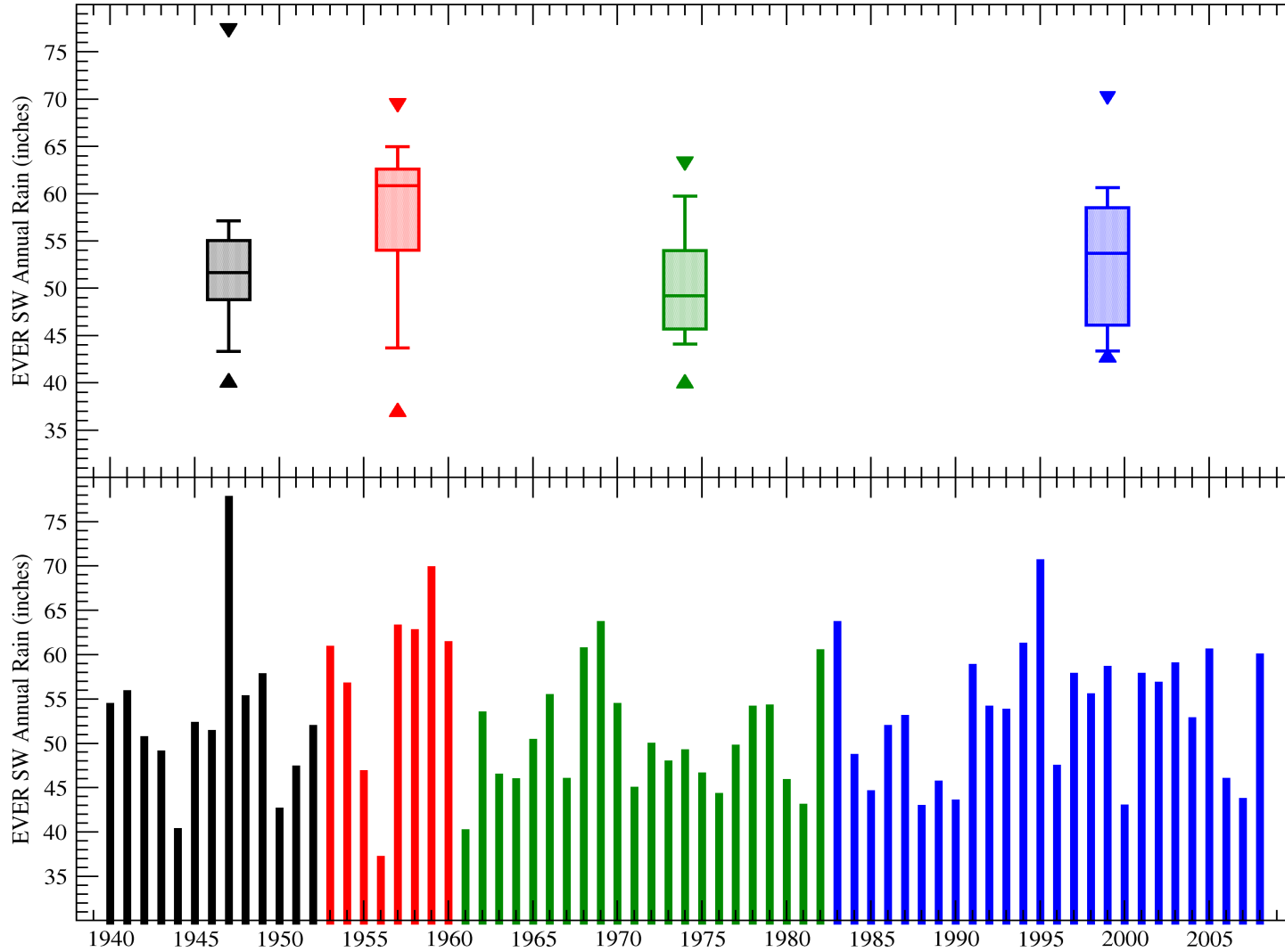
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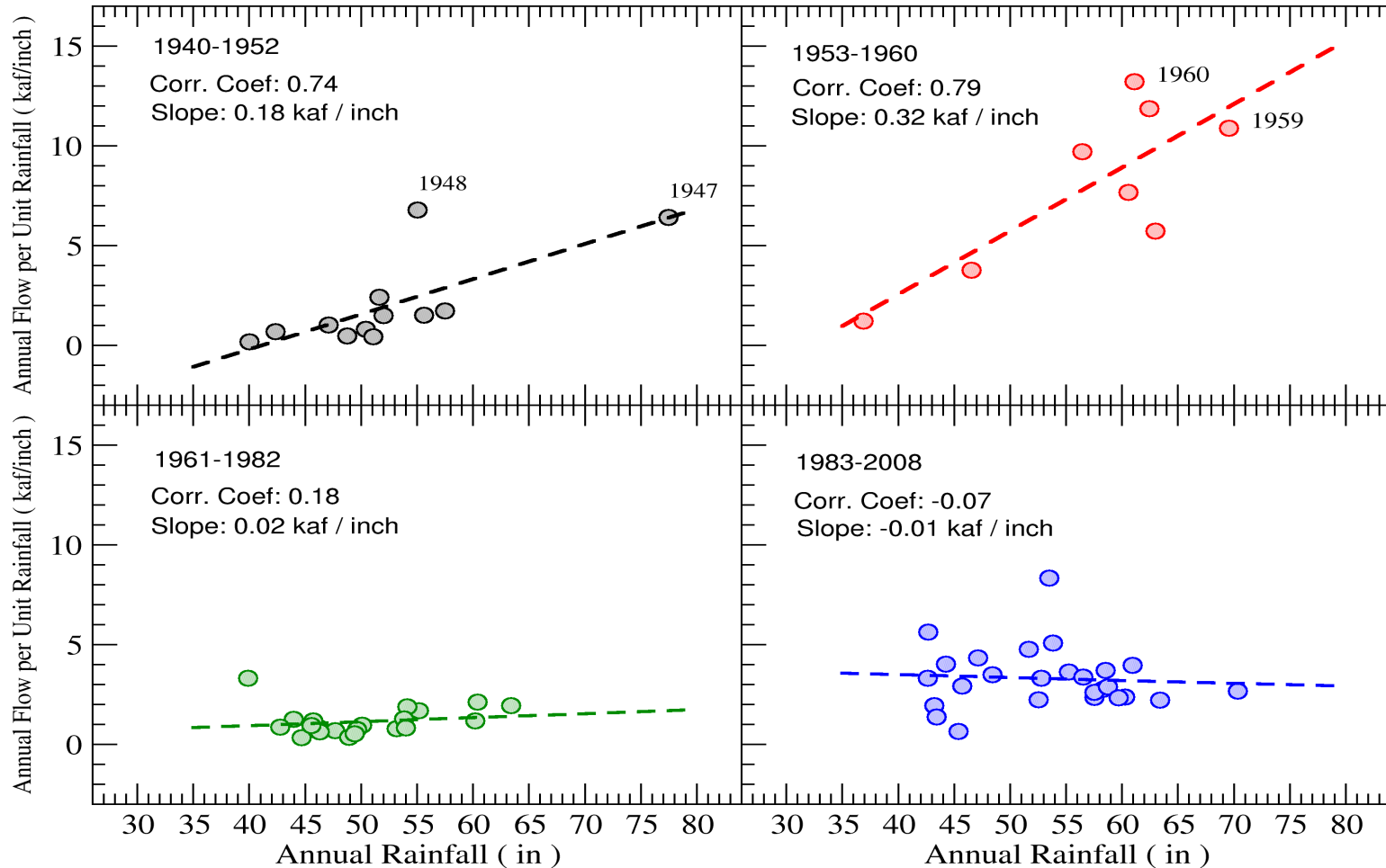
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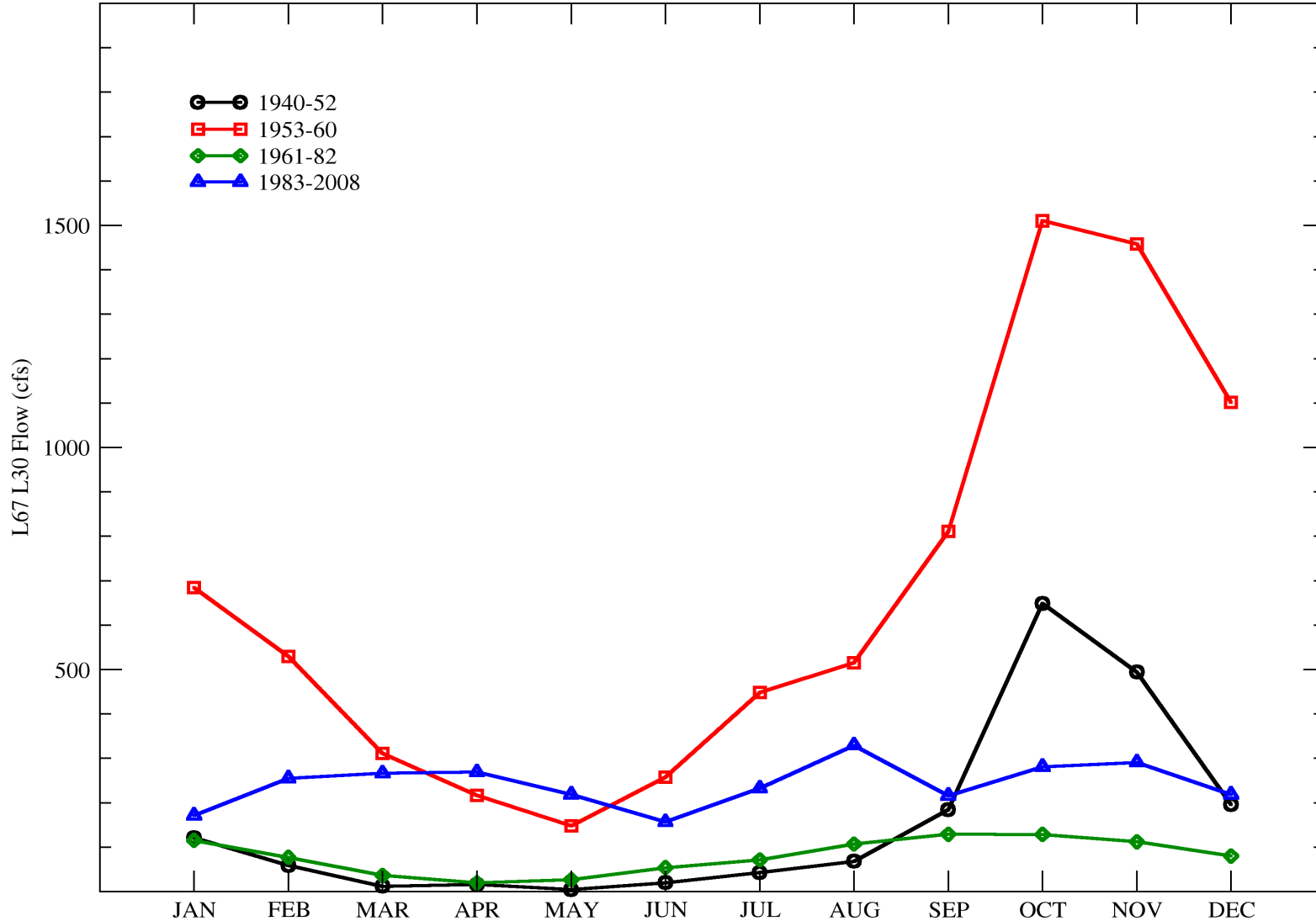
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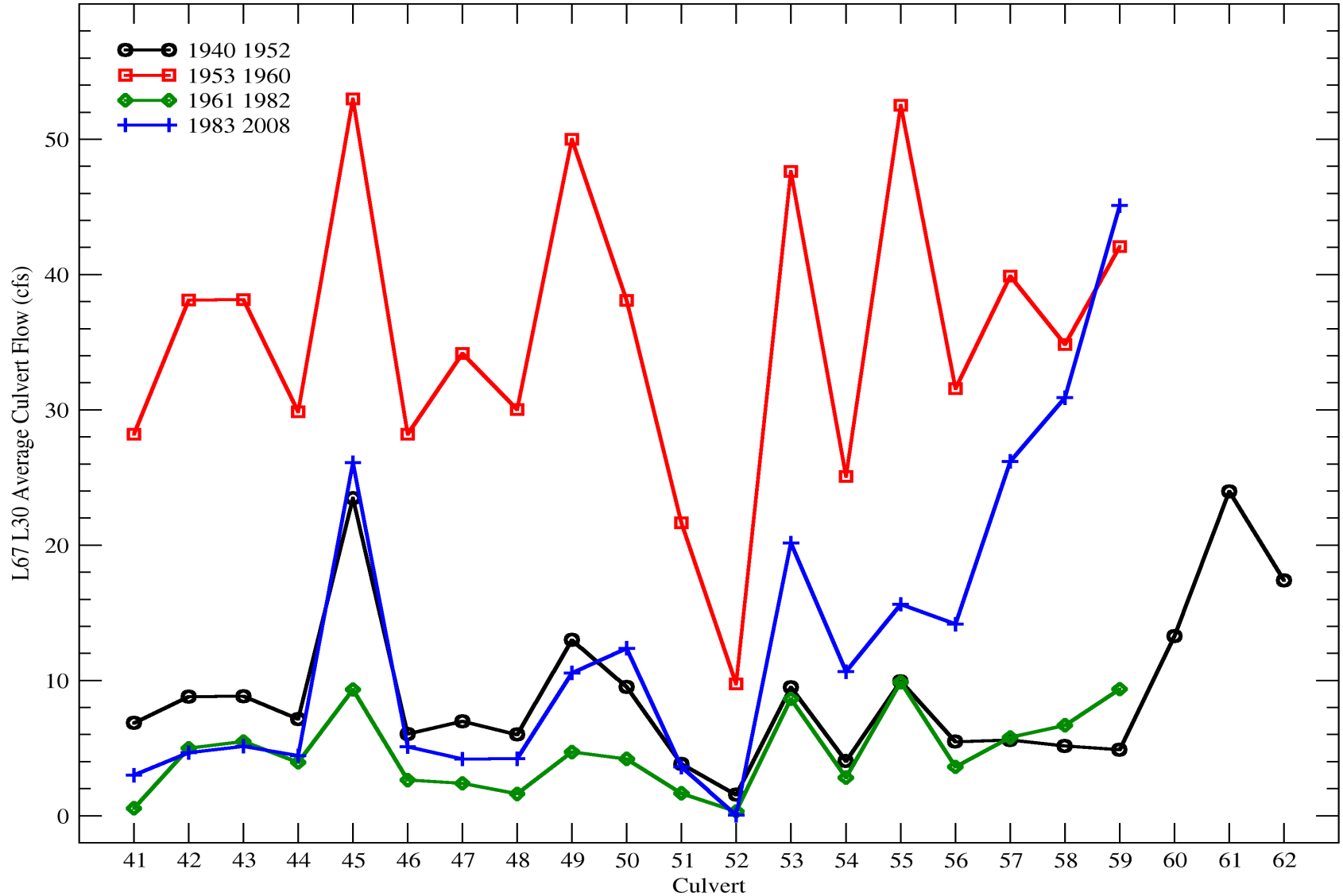
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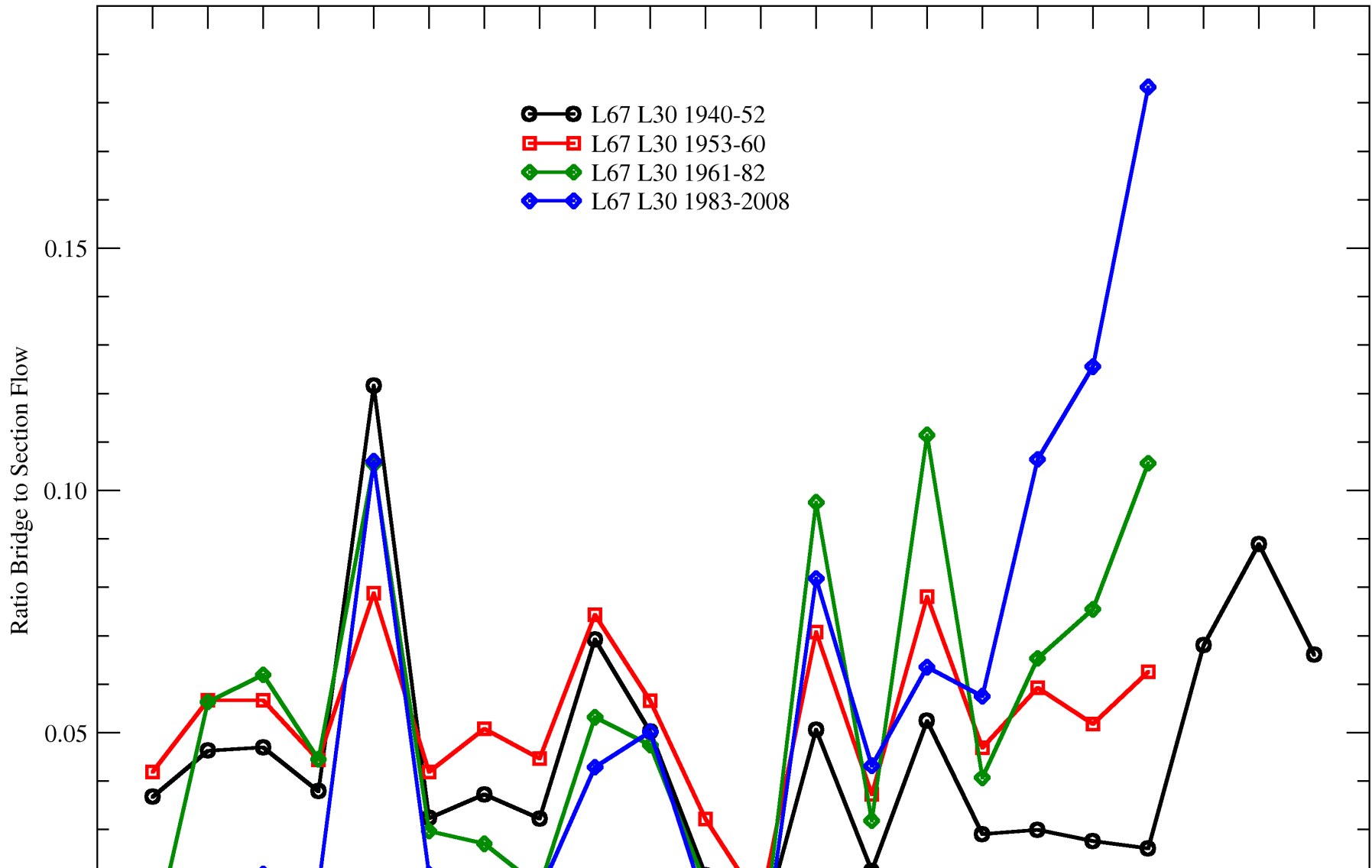
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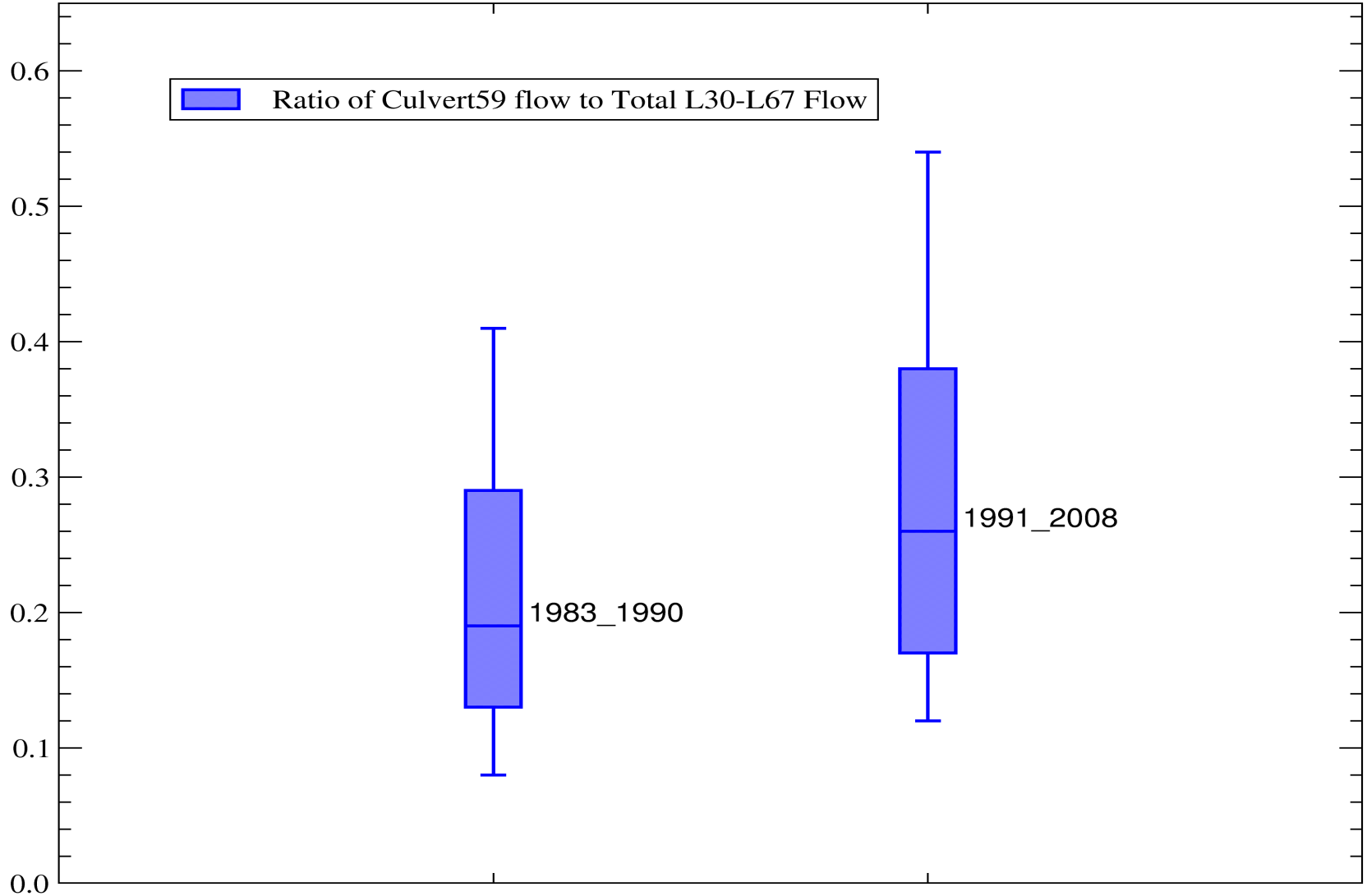
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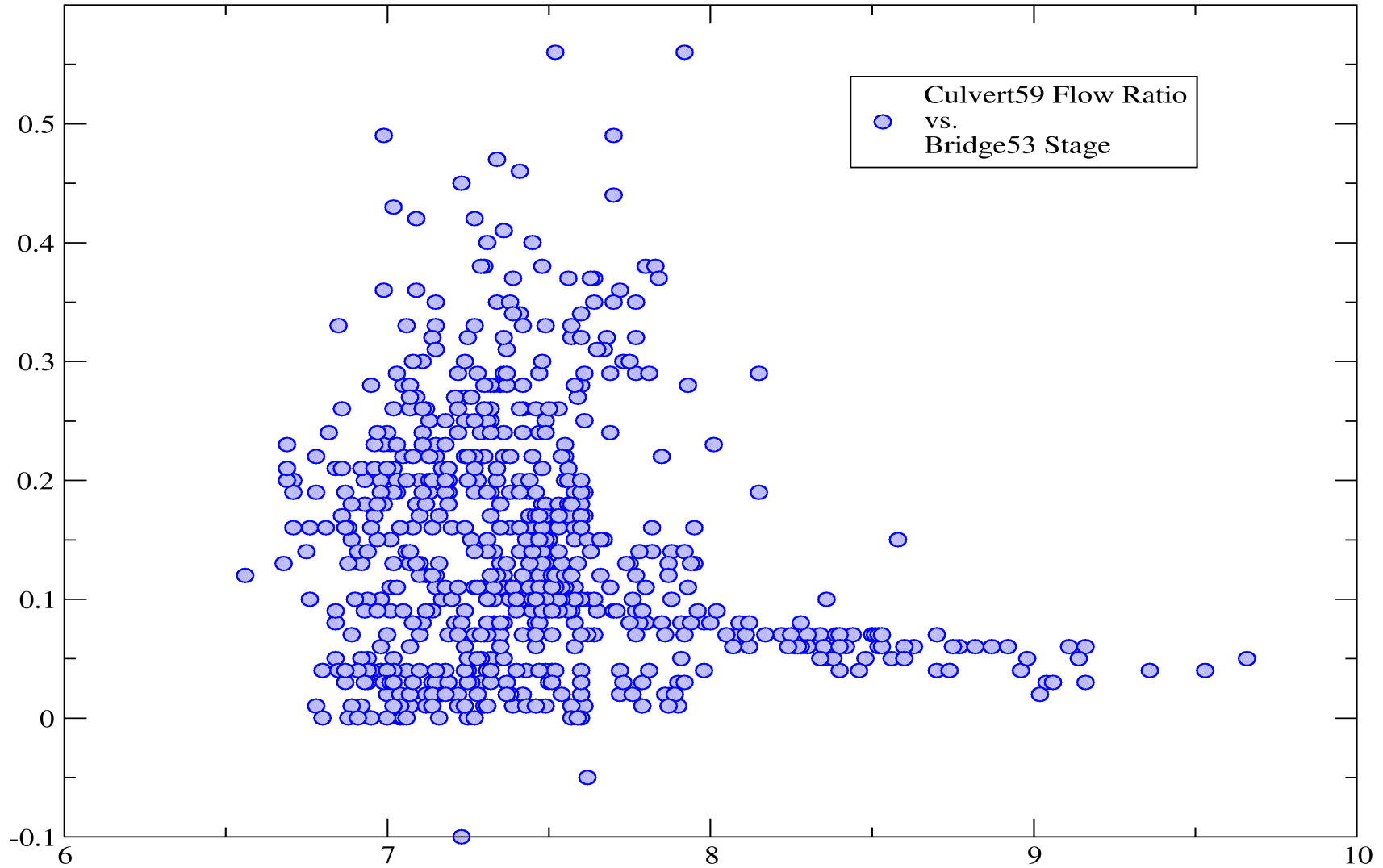
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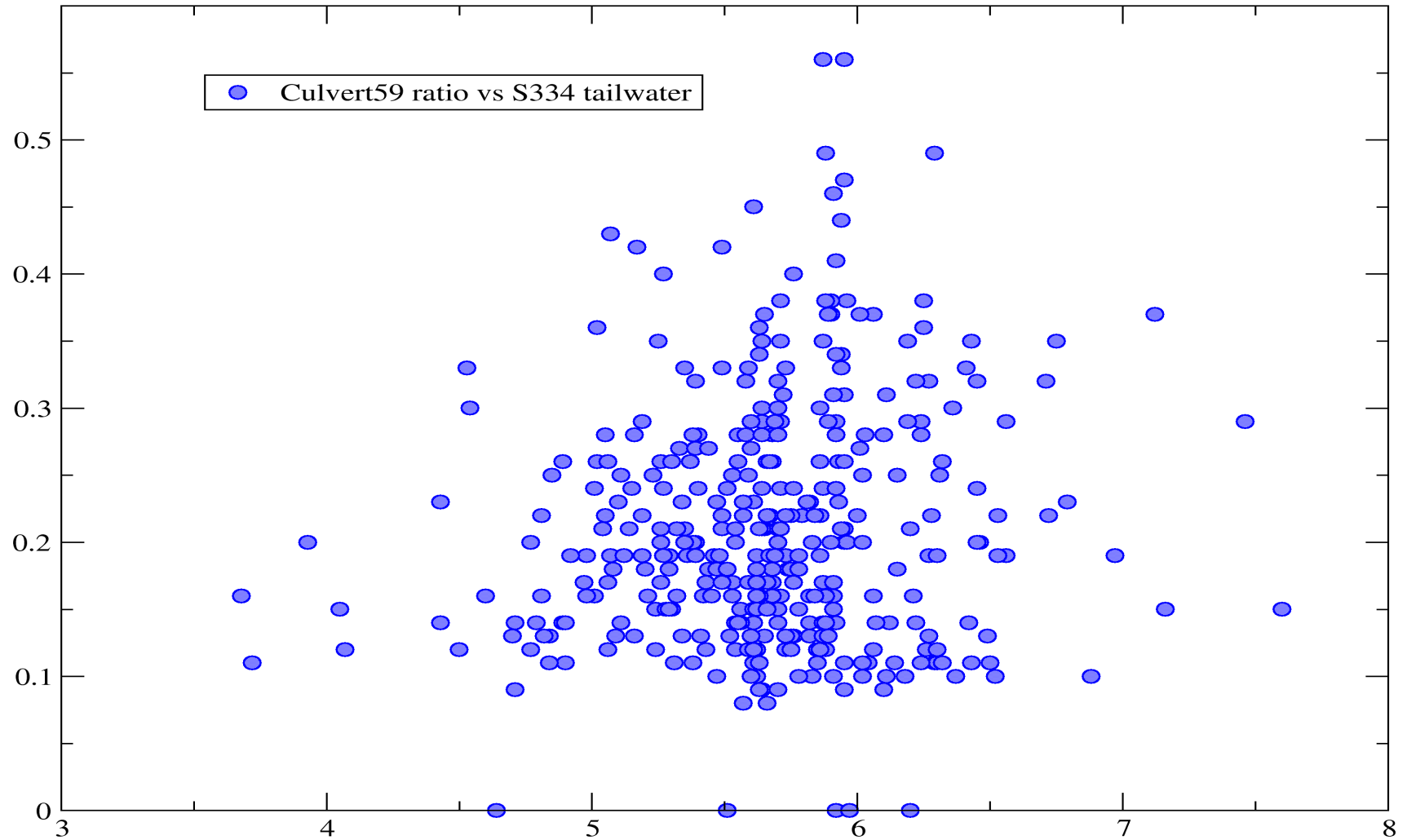
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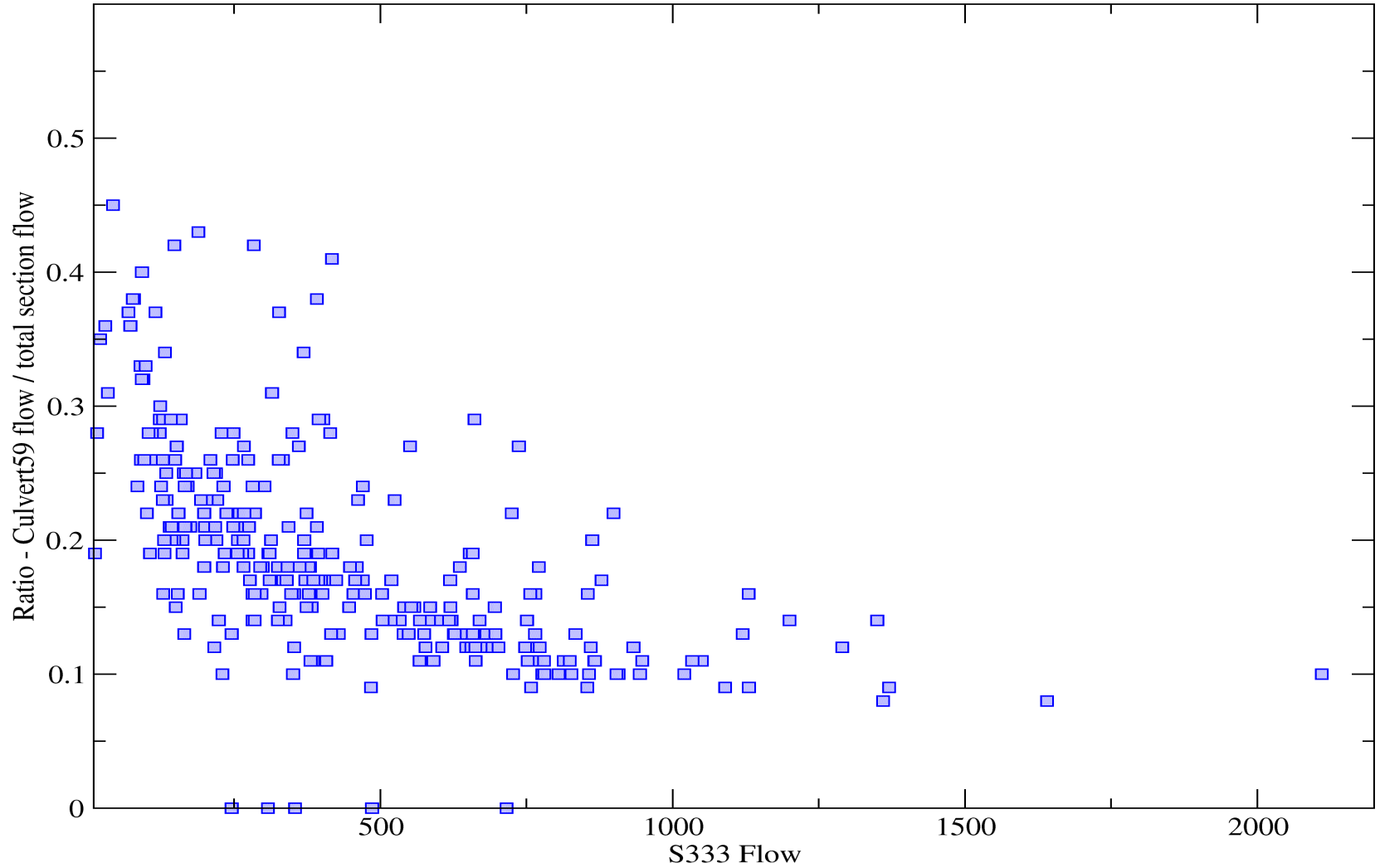
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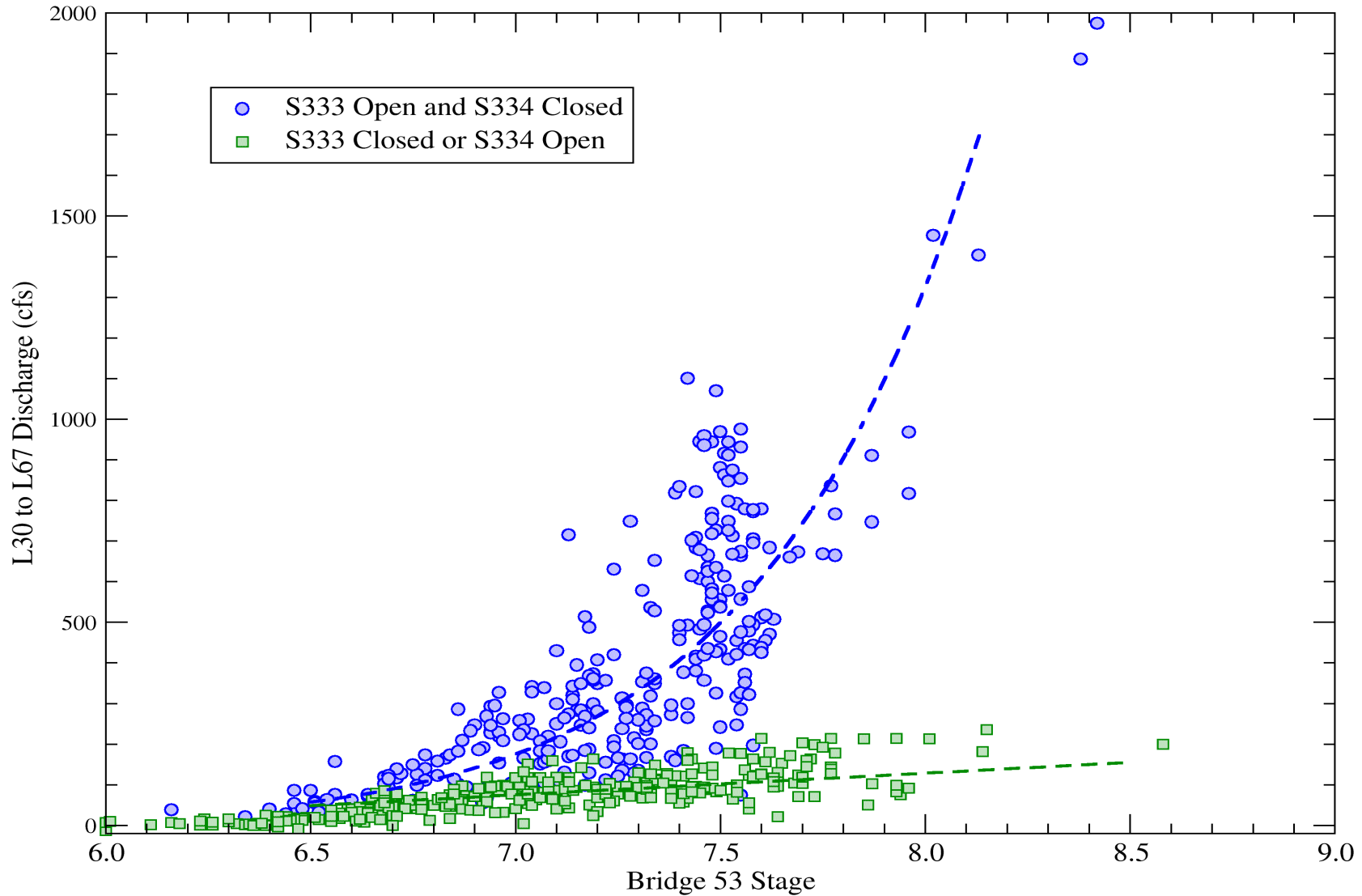
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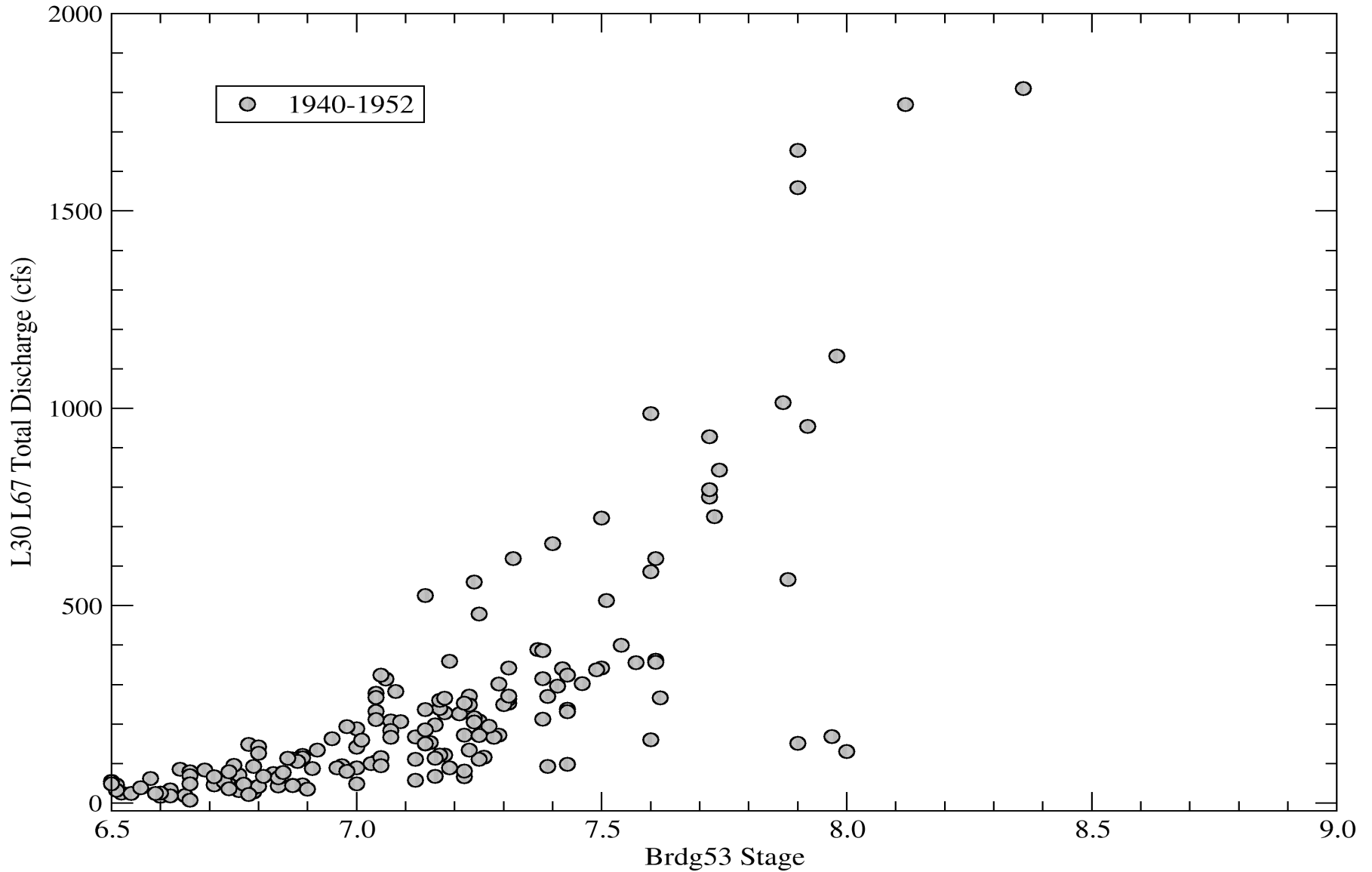
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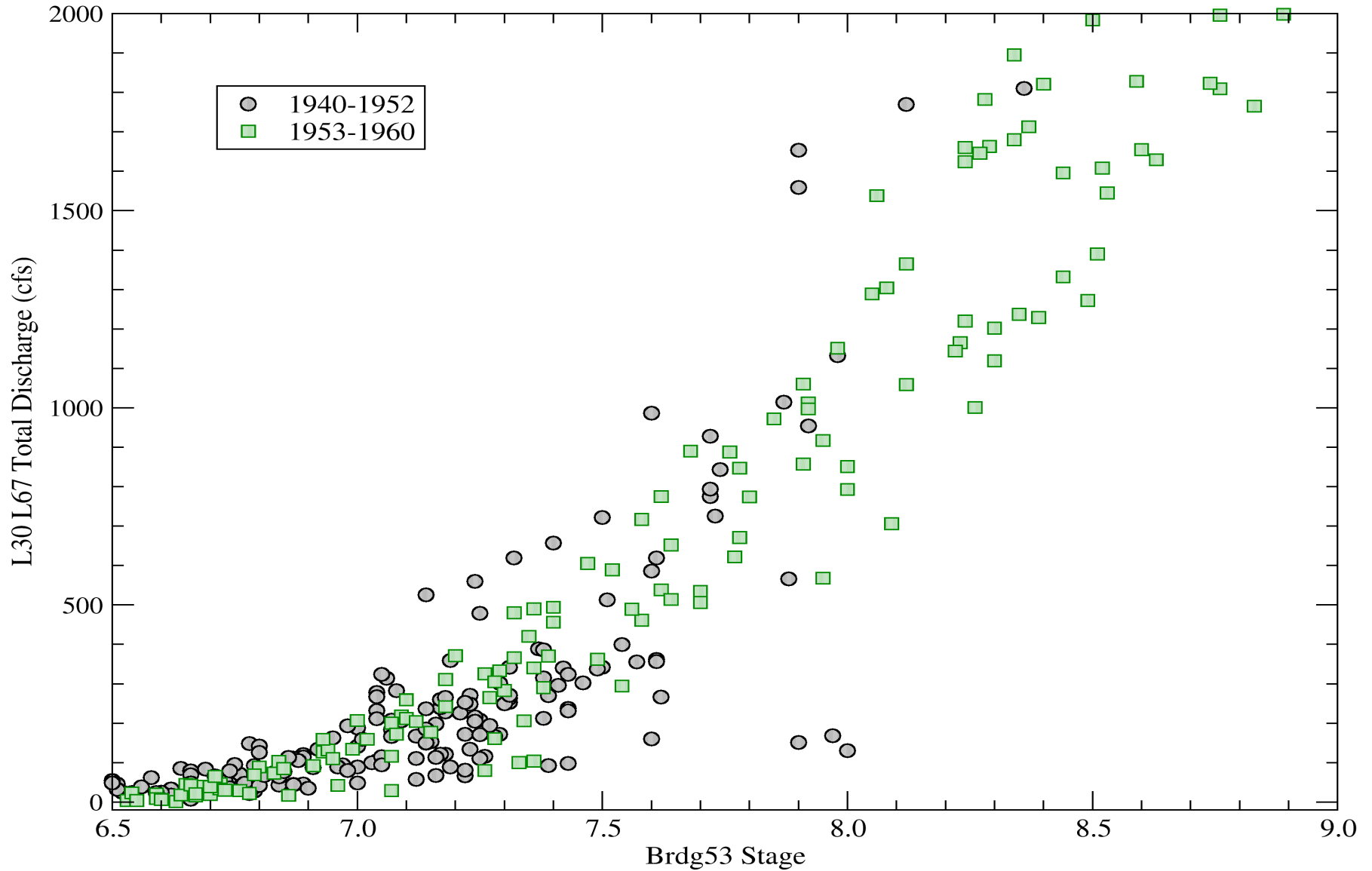
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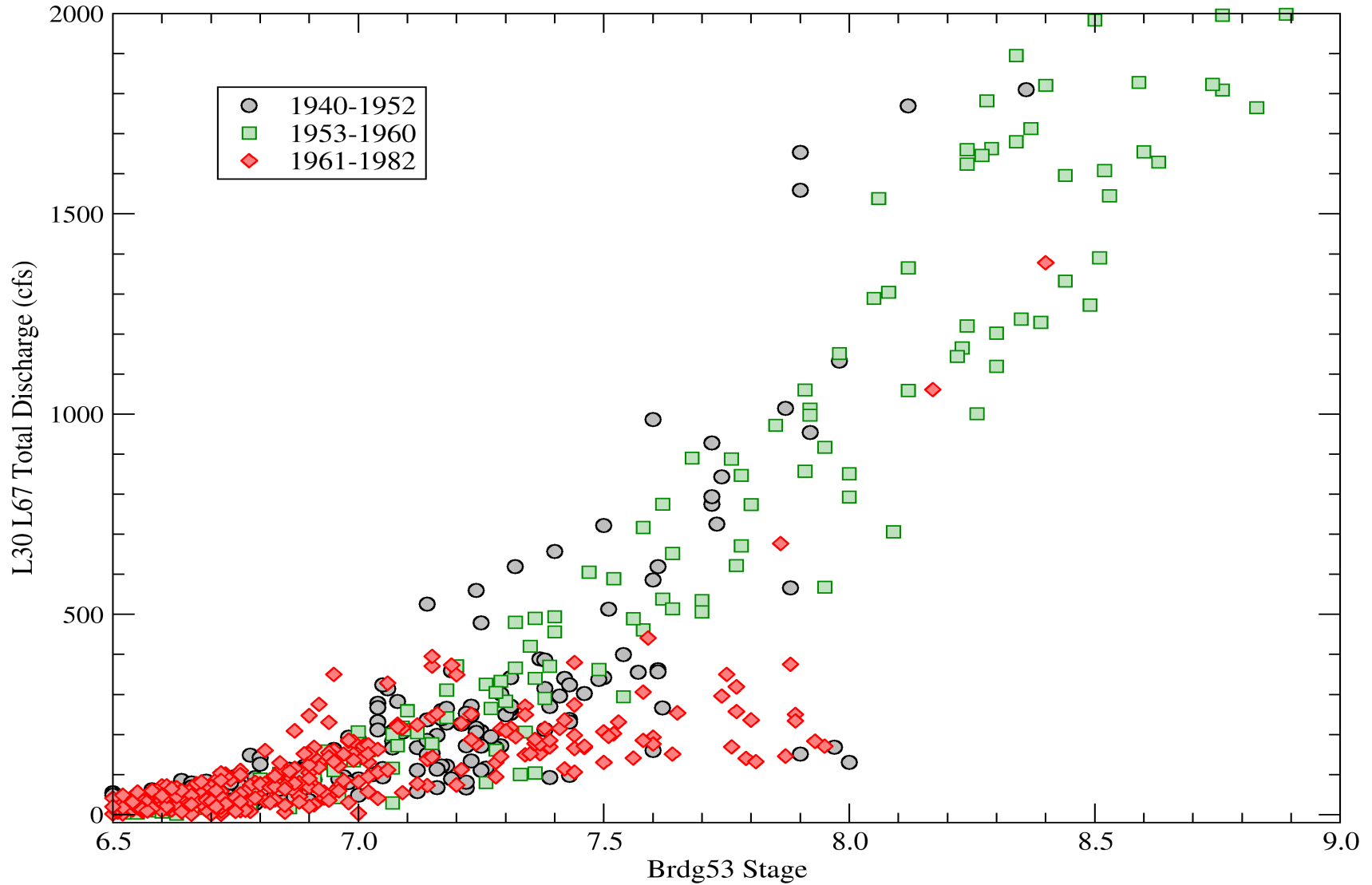
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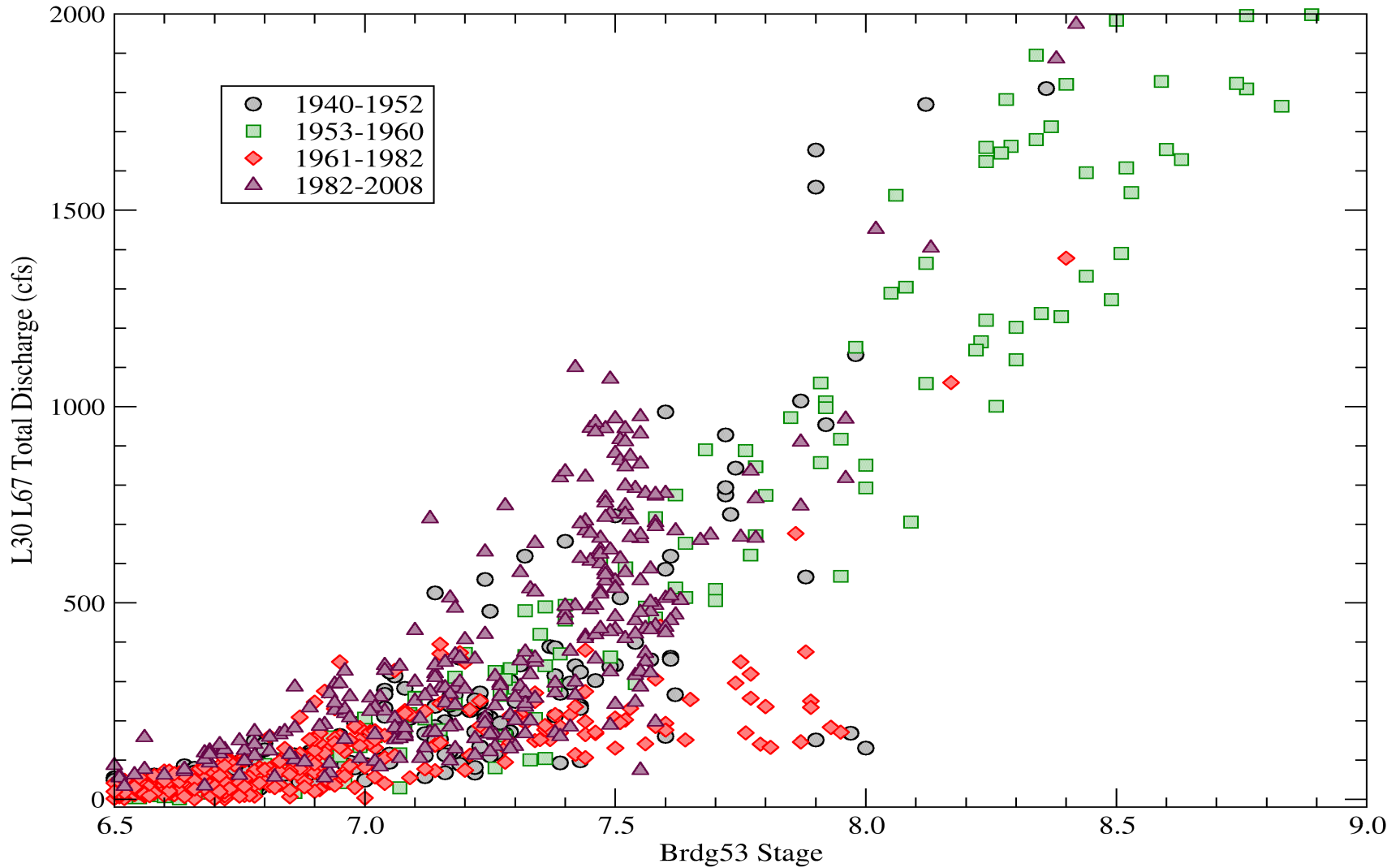
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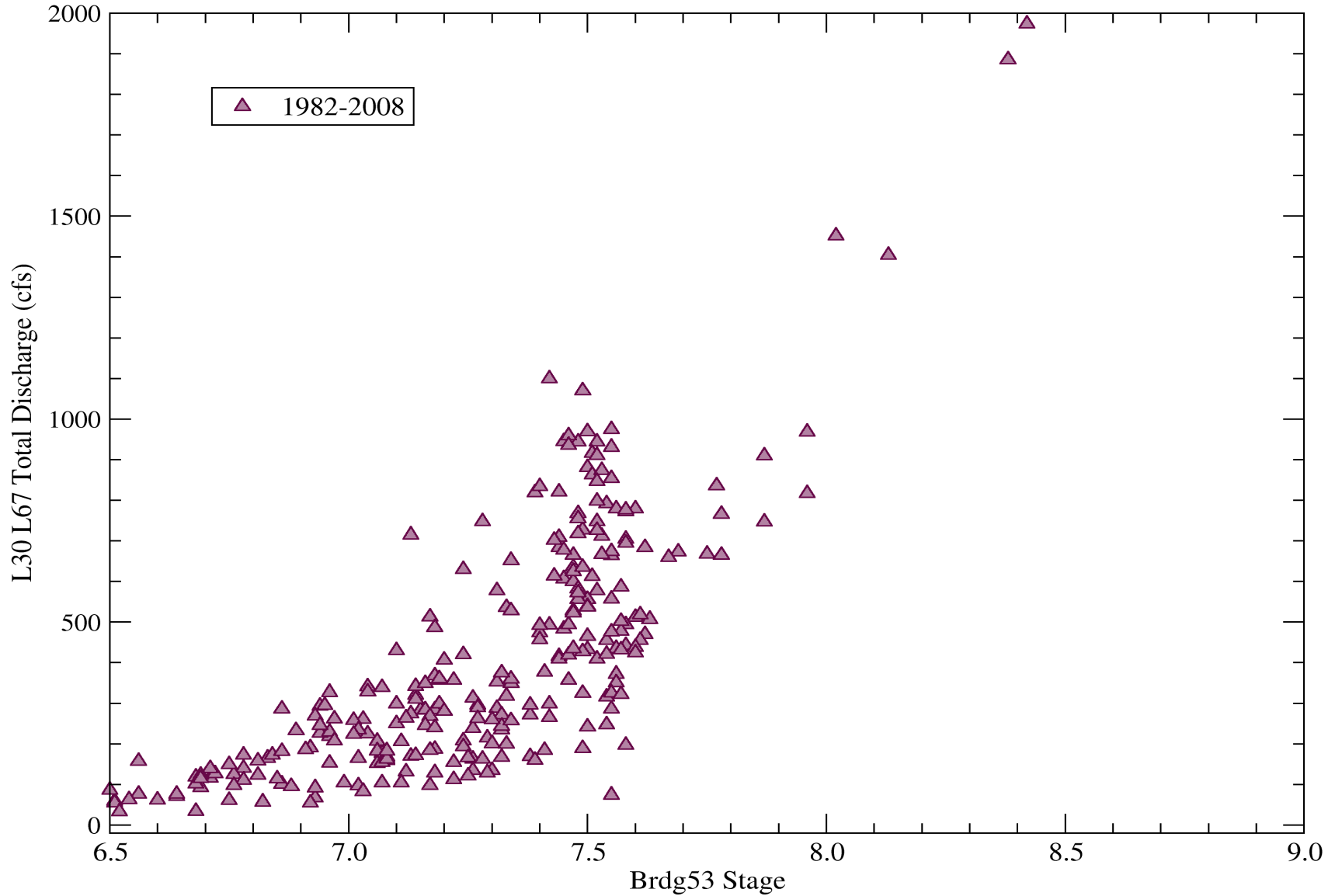
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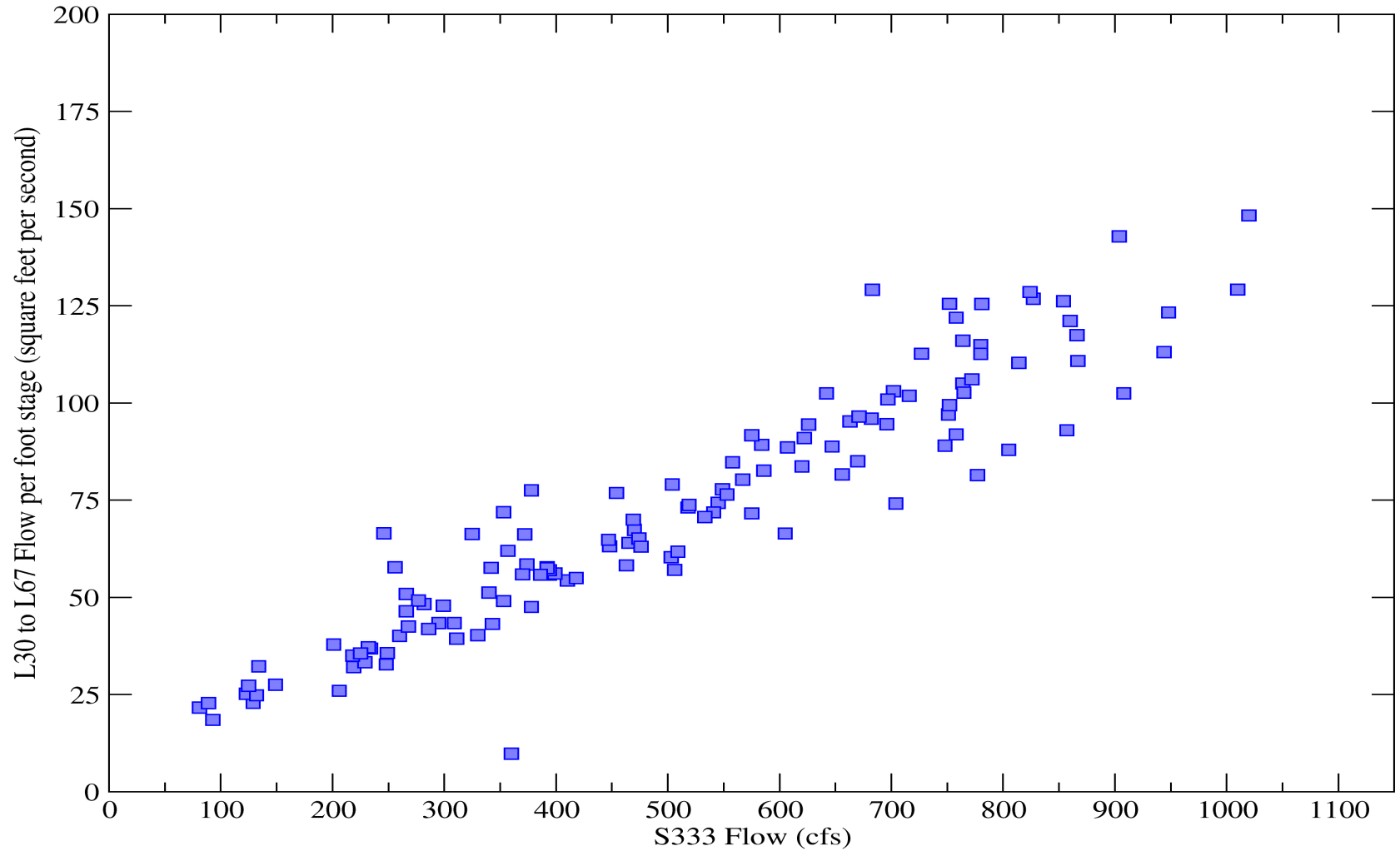
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