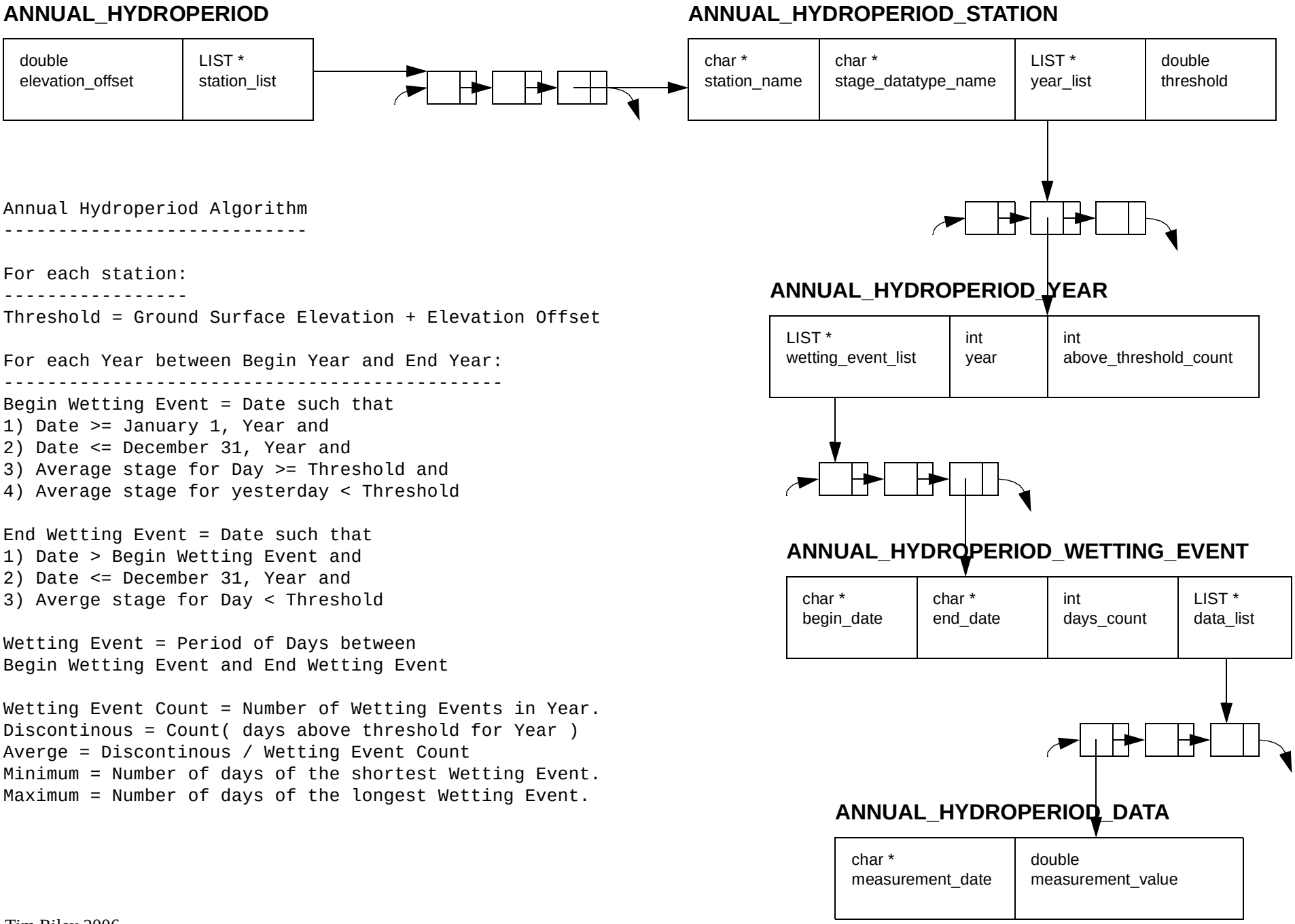
Annual Hydroperiod Data Structure

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Annual Hydroperiod Algorithm
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For each station:
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Threshold = Ground Surface Elevation + Elevation Offset

For each Year between Begin Year and End Year:
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Begin Wetting Event = Date such that
1) Date >= January 1, Year and
2) Date <= December 31, Year and
3) Average stage for Day >= Threshold and
4) Average stage for yesterday < Threshold

End Wetting Event = Date such that
1) Date > Begin Wetting Event and
2) Date <= December 31, Year and
3) Averge stage for Day < Threshold

Wetting Event = Period of Days between
Begin Wetting Event and End Wetting Event

Wetting Event Count = Number of Wetting Events in Year.
Discontinous = Count( days above threshold for Year )
Averge = Discontinous / Wetting Event Count
Minimum = Number of days of the shortest Wetting Event.
Maximum = Number of days of the longest Wetting Event.
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