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PHDI (1965)
 (1967) Yevjevich ²(PDSI)

X

Chang (1980a, 1980b) Dracup (1975) Gupta (1989,1990)

(Doesken *et al.*, 1991) ⁵SWSI

1981

Chang SWSI Chang SWSI

SWSI

SWSI

(Doesken *et al.*, 1991)

¹ Palmer hydrological drought index
² Palmer drought Severity index
³ Run theory
⁴ Truncation level
⁵ Surface water supply index



¹EDI

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Chang

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1991

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¹ Effectiv Drough Index



$$i = \frac{(i_{max} - X)}{i_{max}} N \quad (1)$$

$$i = \frac{X}{i_{max}} N \quad (2)$$

(b)

(a)

(c)



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(Hong Wu , 2001; Agnew, 2000) SPI ZSI ,EDI , CZI

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¹ China-Z Index
² Z Score Index
³ Standardized Precipitation Index
⁴ Detrending



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