

$$\frac{\bar{H}}{H_0} \approx 0.9 - 0.7 \times \overline{CF}$$

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(Combal-Stokes) -

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$$\left(\frac{\bar{H}}{H_0} \right)$$

() $\left(\frac{\bar{n}}{N} \right)$

$$\frac{\bar{H}}{H_0} = a + b \frac{\bar{n}}{N} \quad ()$$

() [] (Duffie & Beckman)

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$$\frac{\bar{H}}{H_0} = a + b \times \overline{CF} \quad ()$$

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(Norris)

[] (Bennet)

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(Visually)

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[] (Paltridge & Proactor)

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[] (Minel and Minel)

[] (Reindel et al.)

[] (Nagarija Roa)

[] (Mosalam et al.)

$$\begin{aligned} (\bar{H}_d)_s &= 0.1 \times \bar{H}_b \\ (\bar{H}_d)_c &= 0.3 \times \bar{H}_b \end{aligned}$$

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$$\frac{\bar{H}_b}{\bar{H}_0}$$

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$$\bar{H}_t = \frac{\bar{n}}{N} \times [\bar{H}_b + (\bar{H}_d)_s] - \left(1 - \frac{\bar{n}}{N}\right) \times (\bar{H}_d)_c \quad ()$$

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$$\bar{C} = \frac{\left[\frac{1}{3} \times \left(0 + \frac{1}{8} + \frac{2}{8} \right) \times n_{0-2} + \frac{1}{4} \times \left(\frac{3}{8} + \frac{4}{8} + \frac{5}{8} + \frac{6}{8} \right) \right]}{(n_{0-2} + n_{3-6} + n_{7-8})} \quad ()$$

$$\frac{\left[\times n_{3-6} + \frac{1}{2} \times \left(\frac{7}{8} + \frac{8}{8} \right) \times n_{7-8} \right]}{(n_{0-2} + n_{3-6} + n_{7-8})}$$

$n_{7-8} \quad n_{3-6} \quad n_{0-2}$

$$\left(\frac{\bar{n}}{N} \right) \quad ()$$

$$\frac{\bar{n}}{N} = 1 - \bar{CF} \quad ()$$

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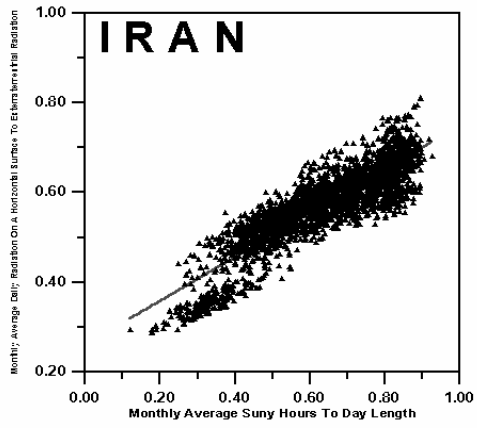
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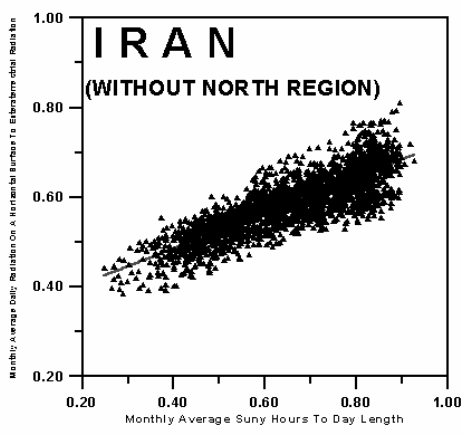
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$$\left(\frac{\bar{n}}{\bar{N}} \right) \left(\frac{\bar{H}}{\bar{H}_0} \right) \quad)$$



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ضریب ابرو کاربرد آن ... / خسرو جعفرپور و ...
 نشریه انرژی ایران / سال ششم / شماره ۱۱ / بهمن ۱۳۸۰

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| | R-Squared | S.E Of Regression | R-Squared | S.E Of Regression |
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$R^2 = \dots$, S.E of Regression =

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R-Square)

[] (Bennt)

(S.E of Regression

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R-Square

$$\frac{\bar{n}}{N} = 1 - \overline{CF} \left(\frac{\bar{n}}{N} + \overline{CF} = 1 \right) \quad ()$$

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| \overline{CF} | $\frac{\bar{n}}{N}$ | $\overline{CF} + \frac{\bar{n}}{N}$ |
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R-Squared () $\left(\overline{CF} + \frac{\bar{n}}{N} = 0.915705 \right)$

$$\left(\bar{K}_t = \frac{\bar{H}}{\bar{H}_0} \right) \text{(Monthly Average Clearness Index)}$$

| | $\bar{K}_t = \frac{\bar{H}}{\bar{H}_0}$ | $\left(\frac{\bar{n}}{\bar{N}} \right)$ | \bar{CF} |
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$$0.555982 < 0.567693 < 0.623302 \left(\bar{K}_{T(2)} < \bar{K}_{T(8)} < \bar{K}_{T(5)} \right) \quad ()$$

$$0.619280 < 0.646421 < 0.716782 \left(\frac{\bar{n}}{\bar{N}} (2) < \frac{\bar{n}}{\bar{N}} (8) < \frac{\bar{n}}{\bar{N}} (5) \right) \quad ()$$

$$\bar{CF} = 1 - \frac{\bar{n}}{\bar{N}}$$

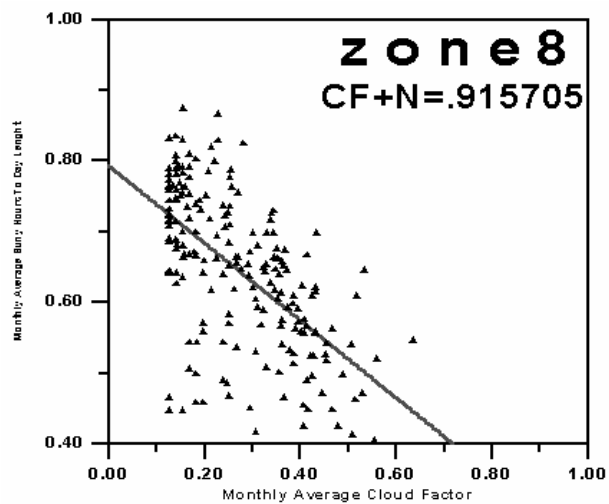
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$$\bar{CF}(2) > \bar{CF}(8) > \bar{CF}(5) > \Rightarrow 0.364854 > \bar{CF}(8) > 0.305043 \quad ()$$

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$$\overline{CF} = 1 - \frac{\bar{n}}{N}$$

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$$\overline{CF} = 1 - \frac{\bar{n}}{N}$$

(Visually)

$$\frac{\bar{H}}{\bar{H}_0} = C + D \times \overline{CF} \quad \frac{\bar{H}}{\bar{H}_0} = A + B \times \frac{\bar{n}}{N}$$

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$$\frac{\bar{H}}{\bar{H}_0} \approx 0.9 - 0.7 \times \overline{CF} \quad \frac{\bar{H}}{\bar{H}_0} \approx 0.3 + 0.3 \times \frac{\bar{n}}{N}$$

| | A | B | C | D |
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