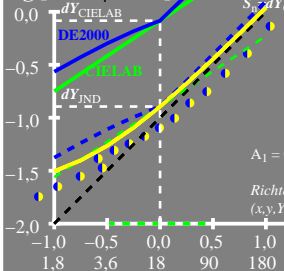


$\log [dY, A_4 \cdot \Delta b \cdot Y]$



$$dY = A_1 [1 + A_2/A_1 Y]$$

$$S_u \cdot dY_{\text{CIELAB}} / dY_{\text{JND}} = 6.4$$

x_r	dY_u	$\log Y$
-1.0	0.027	0.25
-0.5	0.059	0.75
0.0	0.127	1.25
0.5	0.274	1.75
1.0	0.592	2.25

$A_2/A_1 = 0.2895$

$A_1 = 0.0205 \quad A_2 = 0.0059$

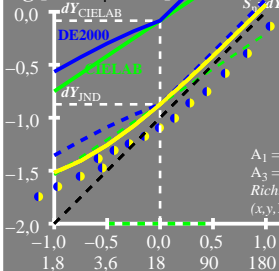
Richter_D_PO2_022S

$(x, y, Y)_u = (0.33, 0.36, 18)$

$x_r = \log[Y/Y_{18}]$

Y

$\log [dY, A_4 \cdot \Delta b \cdot Y]$



$$dY = A_1 [1 + A_2/A_1 Y]$$

$$S_9 \cdot dY_{\text{CIELAB}}/dY_{\text{JND}} = 6.1$$

x_r	dY_u	$\log Y$
-1.0	0.028	0.25
-0.5	0.062	0.75
0.0	0.133	1.25
0.5	0.288	1.75
1.0	0.621	2.25

$A_2/A_1 = 0.3405$

$A_1 = 0.0187$ $A_2 = 0.0063$

$A_3 = 1.0$ $A_4 = 1.0$

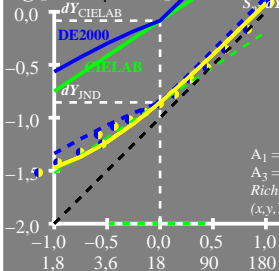
Richter_D_PO2_066S

$(x, y, Y)_u = (0.33, 0.36, 18)$

$x_r = \log[Y/Y_{18}]$

Y

$\log [dY, A_4 \cdot \Delta b \cdot Y]$



$$dY = A_1 [1 + A_2/A_1 Y]$$

$$S_{10} dY_{CIELAB} / dY_{JND} = 5.9$$

x_r	dY_u	$\log Y$
-1.0	0.03	0.25
-0.5	0.064	0.75
0.0	0.139	1.25
0.5	0.3	1.75
1.0	0.647	2.25

$A_2/A_1 = 0.298$

$A_1 = 0.0219$ $A_2 = 0.0065$

$A_3 = 1.179$ $A_4 = 1.685$

Richter_P_PO4_066A ●

$(x, y, Y)_u = (0.33, 0.36, 18)$

$x_r = \log[Y/Y_{18}]$

Y