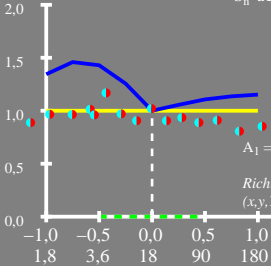


$$[dY_n]/dY = \Delta E^*_{00}/\Delta E^*_{85}$$

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

$$S_n = dY_{\text{CIELAB}}/dY_{\text{JND}} = 6.4$$



x_r	dY_n	$\log Y$
-1.0	0.042	0.25
-0.5	0.077	0.75
0.0	0.127	1.25
0.5	0.397	1.75
1.0	1.257	2.25

$A_2/A_1 = 0.2895$

$A_1 = 0.0205 \quad A_2 = 0.0059$

Richter_D_PO2_022S ●

$(x,y,Y)_u = (0,33, 0,36, 18)$

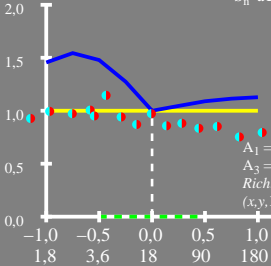
$x_r = \log[Y/Y_{18}]$

Y

$$[dY_n]/dY = \Delta E^*_{00}/\Delta E^*_{85}$$

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

$$S_n = dY_{\text{CIELAB}}/dY_{\text{JND}} = 6.1$$



x_r	dY_n	$\log Y$
-1.0	0.044	0.25
-0.5	0.081	0.75
0.0	0.133	1.25
0.5	0.417	1.75
1.0	1.319	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 ●

$(x,y,Y)_u = (0,33, 0,36, 18)$

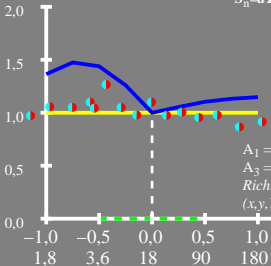
$x_r = \log[Y/Y_{18}]$

Y

$$[dY_n]/dY = \Delta E^*_{00} / \Delta E^*_{85}$$

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

$$S_n = dY_{\text{CIELAB}} / dY_{\text{JND}} = 5.9$$



x_r	dY_n	$\log Y$
-1.0	0.045	0.25
-0.5	0.085	0.75
0.0	0.139	1.25
0.5	0.434	1.75
1.0	1.375	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 ●

$(x,y,Y)_u = (0,33, 0,36, 18)$

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