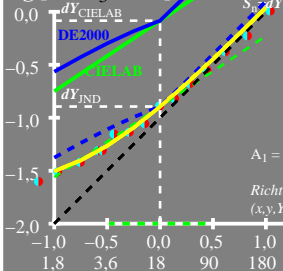


$\log [dY, A_3 \cdot \Delta a \cdot Y]$



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

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

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

$$A_2/A_1 = 0.2895$$

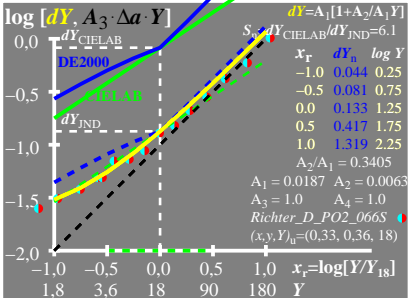
$$A_1 = 0.0205 \quad A_2 = 0.0059$$

Richter_D_PO2_022S ● ●

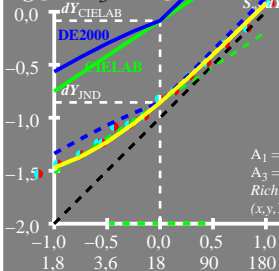
$$(x, y, Y)_u = (0.33, 0.36, 18)$$

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

$$Y$$



$\log [dY, A_3 \cdot \Delta a \cdot Y]$



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

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 ● ● ●

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

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

1.8 3.6 18 90 180 Y