

Symbol	Unit*	Variable name	Number of entries
$N_v$	$\text{mol m}^{-2}$	formaldehyde_tropospheric_vertical_column	scanline $\times$ ground_pixel
$N_s$	$\text{mol m}^{-2}$	fitted_slant_columns	scanline $\times$ ground_pixel $\times$ number_of_slant_columns
$N_s - N_{s,0}$	$\text{mol m}^{-2}$	formaldehyde_slant_column_corrected	scanline $\times$ ground_pixel
$N_{v,0}$	$\text{mol m}^{-2}$	formaldehyde_tropospheric_vertical_column_correction	scanline $\times$ ground_pixel
$M$	n.u.	formaldehyde_tropospheric_air_mass_factor	scanline $\times$ ground_pixel
$M_{\text{clear}}$	n.u.	formaldehyde_clear_air_mass_factor	scanline $\times$ ground_pixel
$f_c$	n.u.	cloud_fraction_crb	scanline $\times$ ground_pixel
$w_c$	n.u.	cloud_fraction_intensity_weighted	scanline $\times$ ground_pixel
$p_{\text{cloud}}$	Pa	cloud_pressure_crb	scanline $\times$ ground_pixel
$A_{\text{cloud}}^{\text{n.u.}}$	cloud_albedo_crb	scanline $\times$ ground_pixel	
$A_s$	n.u.	surface_albedo	scanline $\times$ ground_pixel
$z_s$	m	surface_altitude	scanline $\times$ ground_pixel
$\sigma_{N,s,\text{rand}}$	$\text{mol m}^{-2}$	formaldehyde_tropospheric_vertical_column_precision	scanline $\times$ ground_pixel
$\sigma_{N,v,\text{syst}}$	$\text{mol m}^{-2}$	formaldehyde_tropospheric_vertical_column_trueness	scanline $\times$ ground_pixel
$\sigma_{N,s,\text{rand}}$	$\text{mol m}^{-2}$	fitted_slant_columns_precision	scanline $\times$ ground_pixel $\times$ number_of_slant_columns
$\sigma_{M,\text{rand}}$	n.u.	formaldehyde_tropospheric_air_mass_factor_precision	scanline $\times$ ground_pixel
$\sigma_{N,s,0}$	$\text{mol m}^{-2}$	formaldehyde_slant_column_corrected_trueness	scanline $\times$ ground_pixel
$A$	n.u.	averaging_kernel	layer $\times$ scanline $\times$ ground_pixel
$n_a$	vmr	formaldehyde_profile_apriori	layer $\times$ scanline $\times$ ground_pixel
$p_s$	Pa	surface_pressure	scanline $\times$ ground_pixel
$a_1$	Pa	tm5_constant_a	layer
$b_1$	n.u.	tm5_constant_b	layer
$N_{s,1}$	$\text{mol m}^{-2}$	fitted_slant_columns_win1	scanline $\times$ ground_pixel $\times$ number_of_slant_columns_win1
$\sigma_{N,s,1,\text{rand}}$	$\text{mol m}^{-2}$	fitted_slant_columns_precision_win1	scanline $\times$ ground_pixel $\times$ number_of_slant_columns_win1