HCHO vertical error uncertainty	Remote regions/ low columns	Elevated column regions/periods
Contribution from systematic slant columns uncertainties	25 %	15 %
Contribution from air mass factors uncertainties	75 %	30 %
From a priori profile errors	60 %	20 %
From model errors	35 %	15 %
From albedo errors	20 %	10 %
From cloud top pressure errors	20 %	10 %
From cloud fraction errors	15 %	5 %
Contribution from background correction uncertainties	40 %	10 %
Total	90 %	35 %
Total without smoothing error	50 %	25 %