2007-01 DMS duplicates

Variability is assessed as the Relative % Difference.
No duplicates were rejected during this cruise.
See 2007-01_DMS_report.pdf for further details.

Precision statement for replicate samples drawn from a single Niskin bottle:

The pooled standard deviation for Dimethyl_Sulphide:Bottle for the range 0.18 to 0.92 nmol/l was 0.061,
  k = 7 (0 outlier removed) where k is the number of pairs of duplicates.

The pooled standard deviation of pairs of samples (Sp) was calculated by:
  $Sp = SQRT\{sum\ (d*d)/2k\}$
  where k is the number of pairs and d is the difference between pairs.

Duplicate samples from a single Niskin bottle

Event Number	Sample Number	Station	Pressure dbar	DMS 1 nmol/l	DMS 2 nmol/l	Relative % Difference	Rejected yes / no
9	74	P4	20.7	0.26	0.27	1.8	
25	114	P12	20.6	0.58	0.57	0.6	
36	154	P16	19.9	0.92	0.70	27.4	
46	195	P20	20.1	0.55	0.51	7.3	
67	241	P26	19.9	0.19	0.18	9.5	
69	282	P26	20.2	0.22	0.25	10.9	
72	296	P26	18.9	0.23	0.22	2.3	