Vector Variance Data set 1 Scalar Variance Data Set 1 16 Training ELBO Training ELBO 14 Validation ELBO Validation ELBO 14 Training KL Training KL 12 Validation KL Validation KL 12 Training Reconstruction Error Training Reconstruction Error Validation Reconstruction Error Validation Reconstruction Error NLL in bits per dim NLL in bits per dim 6 4 4 2 2 0 0 0 2000 4000 6000 8000 10000 0 2000 4000 6000 8000 10000 Num Steps Num Steps Vector Variance Data set 2 Scalar Variance Data Set 2 16 12 Training ELBO Training ELBO Validation ELBO Validation ELBO 14 Training KL Training KL 10 Validation KL Validation KL 12 Training Reconstruction Error Training Reconstruction Error Validation Reconstruction Error Validation Reconstruction Error 8 NLL in bits per dim NLL in bits per dim 8 4 2 2 0 0 0 0 2000 4000 6000 8000 10000 2000 4000 6000 8000 10000 Num Steps Num Steps