**Table S1**. Statisticsa of seasonally averaged discharge at Salekhard, 1937-2009. Neither skew value is significant at α=0.05. Both series are significantly autocorrelated at α=0.05 at a lag of 1 year.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Season | Mean | Median | Std | Skew | r1 | Min | Max |
| Sep-AugMay-Aug | 1277024987 | 1256524836 | 17873800 | 0.190.36 | 0.41\*\*0.33\*\* | 956316255 | 1681234827 |

aSkew and lag-1 autocorrelation (r1) are dimensionless.

All other statistics (Std=standard deviation) are in units of m3/sec.