A 15-year Climate Record of Multiyear Arctic Sea Ice Classification using OSCAT and QuikSCAT

QuikSCAT

Total

Ice area

MY ice

2000

2001

2002

2003

2004

2006

Jan May Sep

Jan May

Sep

Jan May

Sep

Jan May

Sep

Jan May

Sep

Jan May

Sep Jan May

Sep

Jan

BYU D. Lindell and D. Long

RIGHAM YOUNG UNIVERSIT

 Differing sigma-0 of first-year (FY) and multiyear (MY) sea ice enables classification of ice age from Ku-band scatterometer data

 Extended QuikSCAT algorithm for use with OSCAT

 QuikSCAT and OSCAT provide a 15 year long climate record

