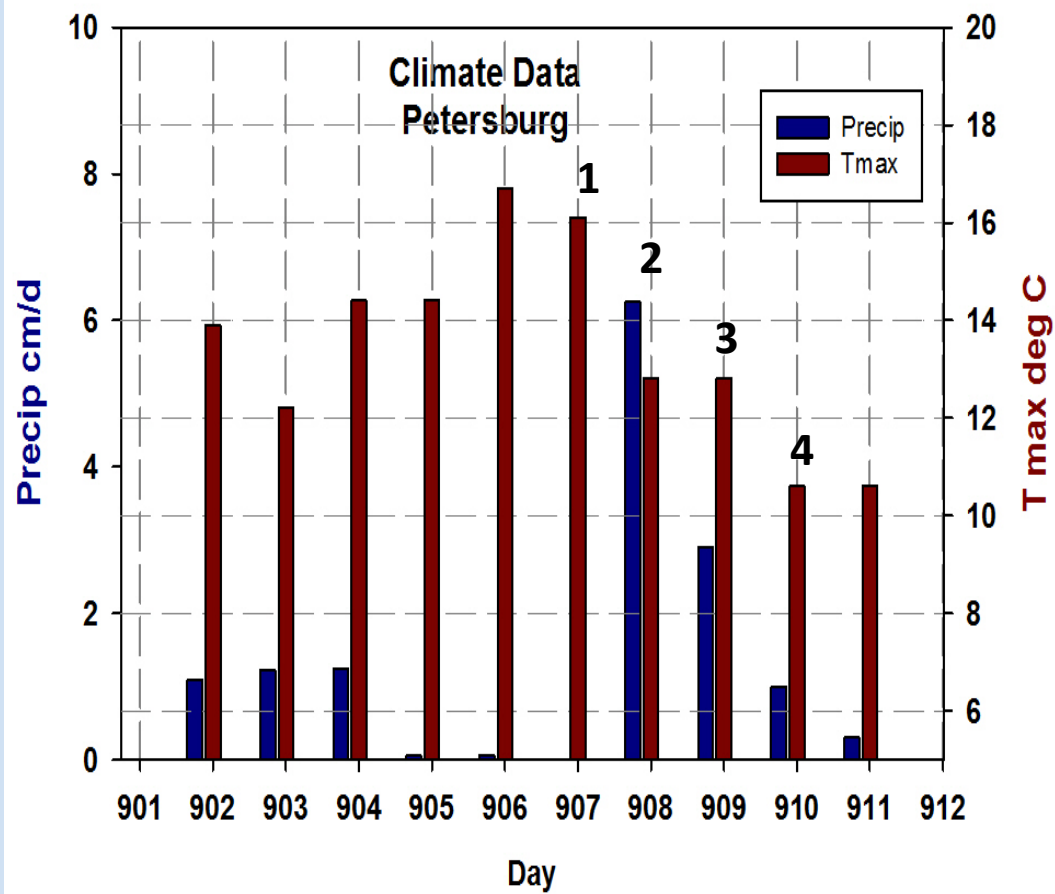
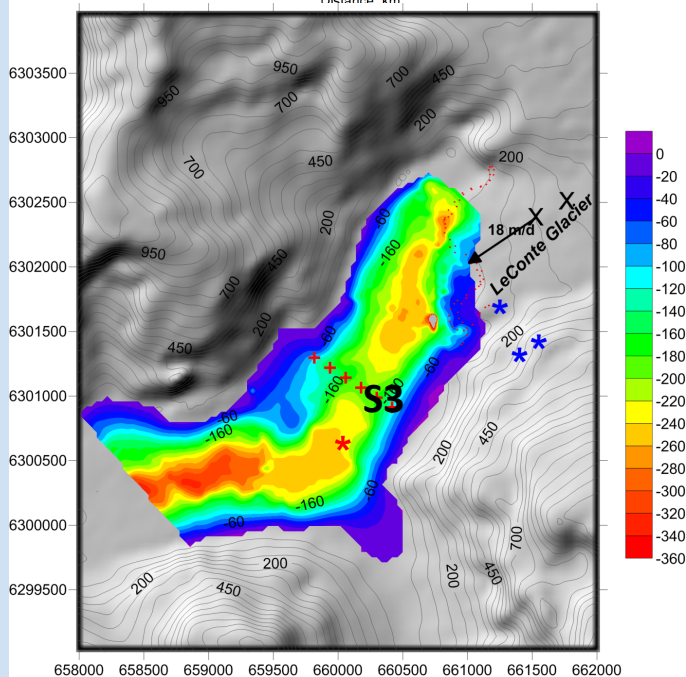
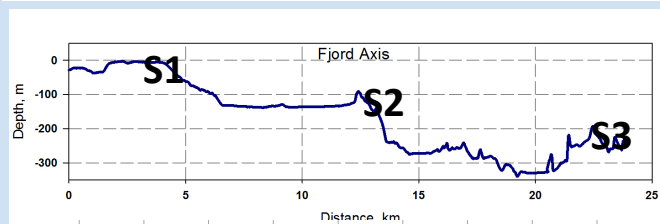
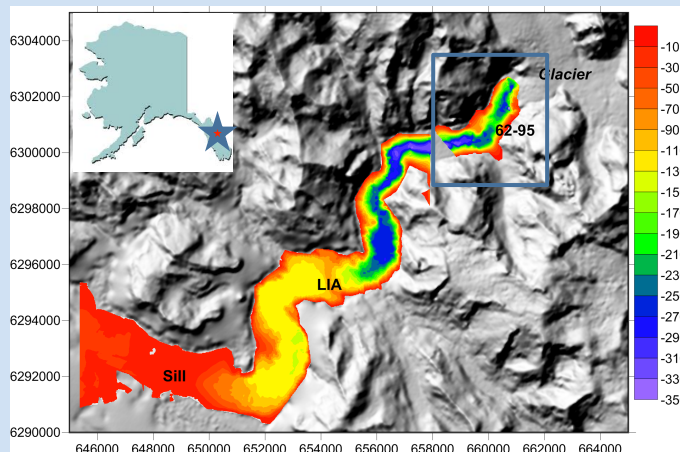


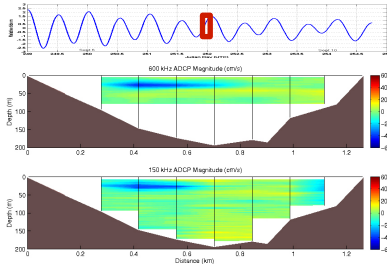
# **Rapid Submarine Melting Driven by Subglacial Discharge, LeConte Glacier, Alaska**

*Submarine Melting and Proglacial Fjord Dynamics  
in September 2012*

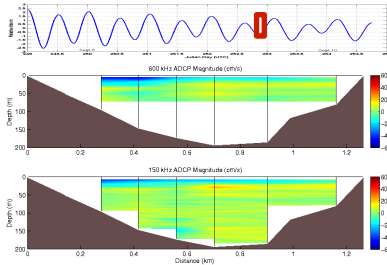
*Roman J Motyka<sup>1,2</sup>, William Dryer<sup>1,2</sup>, Jason  
Amundson<sup>2</sup>, Martin Truffer<sup>1</sup>, and Mark  
Fahnestock<sup>1</sup>*



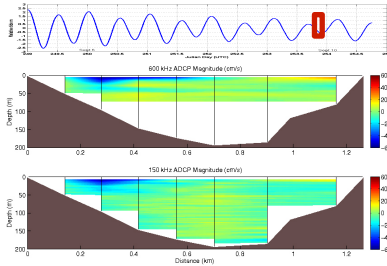




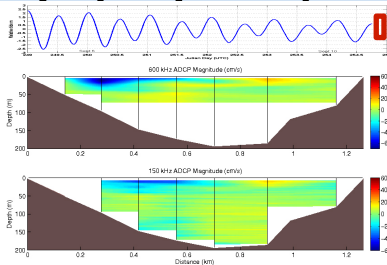
**Day 1, Sept. 07, T3**



**Day 2, Sept. 08, T8**

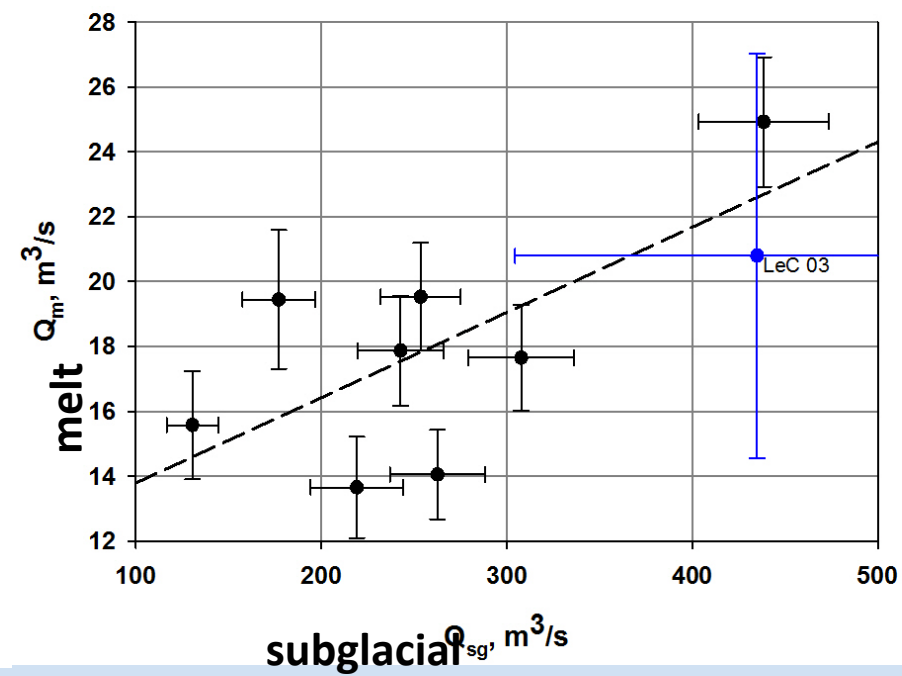
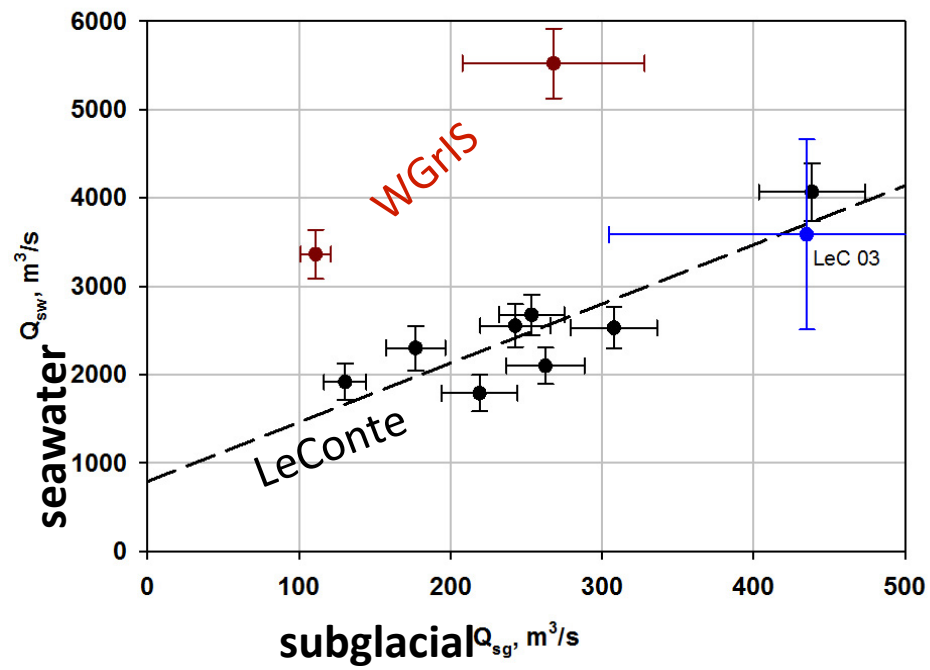


**Day 3, Sept. 09, T10**



**Day 4, Sept. 10, T11**

| Transect ID, date, time | $Q_m$ , m <sup>3</sup> /s | m/d, i. e. | % unc |
|-------------------------|---------------------------|------------|-------|
| T3, 9/7, 14             | 15.6                      | 11.3       | 10.7  |
| T5, 9/8, 9              | 13.7                      | 9.1        | 11.4  |
| T6, 9/8, 11             | 17.6                      | 11.9       | 9.3   |
| T7, 9/8, 12.5           | 14.1                      | 9.5        | 9.8   |
| T8, 9/8, 14.5           | 19.5                      | 14.1       | 8.5   |
| T9, 9/9, 9              | 19.4                      | 13.2       | 11.0  |
| T10, 9/9, 11.5          | 17.9                      | 12.5       | 9.5   |
| T11, 9/10, 13           | 24.9                      | 16.8       | 8.0   |



Movie