

Title: Spatio-temporally continuous temperature monitoring using optical fibers in the internal forest areas in Alaska

Field leader: Kazuyuki SAITO

Institution: Japan Agency for Marine-Earth Science and Technology

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Programme: Observations on surface and subsurface hydrological-thermal states , and on heterogenic snow distribution and its inter-annual variability in Alaska

Principal Investigator: Konosuke SUGIURA

Proj. Period: 2010 - 2013

Institution: Japan Agency for Marine-Earth Science and Technology

Co-research Institution & Scientist (out of JPN): International Arctic Research Center , University of Alaska , Fairbanks

Field activity planned for 2013

Invest. Area: Poker Flat Research Range

Latitude and longitude: 65 ° 08' N , 147 ° 26' W

Field Period: All the year round

Logistics: Distributed Temperature Sensing System using fiber optics

Description:

[purpose] Spatio-temporally continuous temperature monitoring of snow and soil using optical fibers in the internal forest areas in Alaska

[outline] continuous temperature monitoring using optical fibers

Participants: Kazuyuki Saito (JAMSTEC) , Robert Busey (IARC) , Larry Hinzman (IARC)

Field activity of previous year

Invest. Area: Poker Flat Research Range

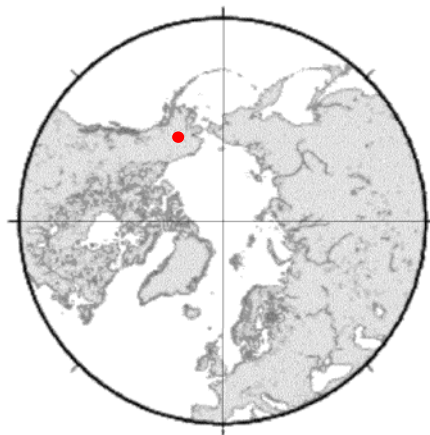
Field Period: Since August (with interruptions)

Logistics: Distributed Temperature Sensing System using fiber optics

Description: Installment of DTS system, installment and repair of fiber opticals, start of continuous measurement.

Number of participants: Eight

Area:



Note :