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Flight Report

Leg 1

Aircraft :	LaRC B-200 King Air (N529NA) (Operating as NASA529)
Operating Site(s) From / To :	Juneau/Elmendorf
Flight Date :	4/01/2008
Flight Number :	R-129a
Take Off Time :	0910 Local, 1710 UTC
Landing Time :	1134 Local, 1934 UTC
Flight Time :	2.4 hours
PI:	Rich Ferrare
Purpose of Flight :	Data [] Ferry [X] Functional Check [] Other []
Sensor Payload :	HSRL and Digital Camera
Comments :	Ferry flight. Stratus clouds with tops at approximately 4 km along most of the track, with depolarizing aerosol above. Judging by the aerosol depolarization and wavelength dependence, there appear to be 2 layers of different aerosol type above the cloud. Will be a good case to test some of Yongxiang Hu's CALIPSO calibration and AOT algorithms.

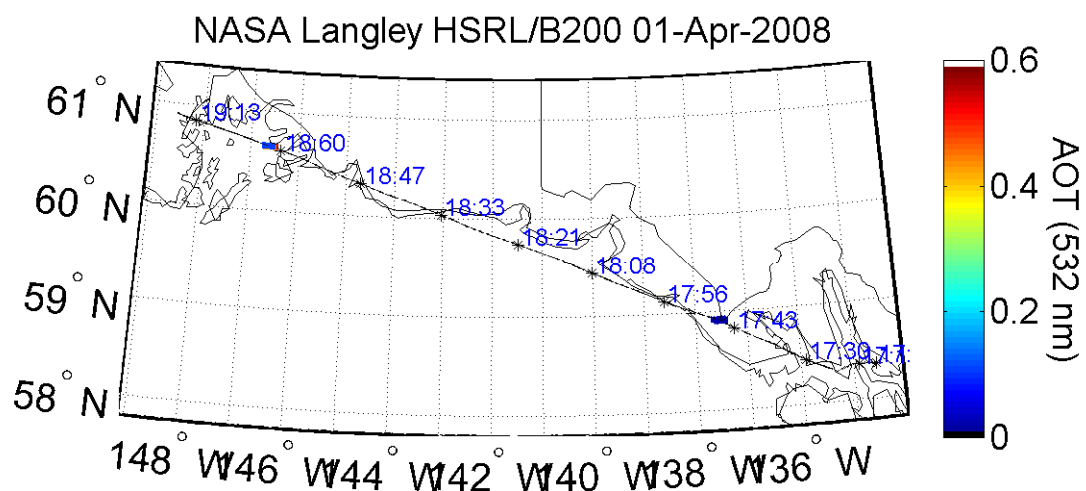
Leg 2

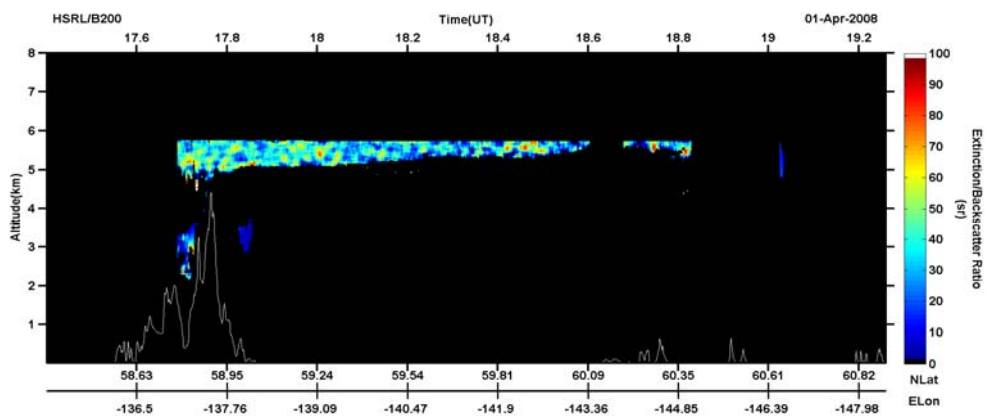
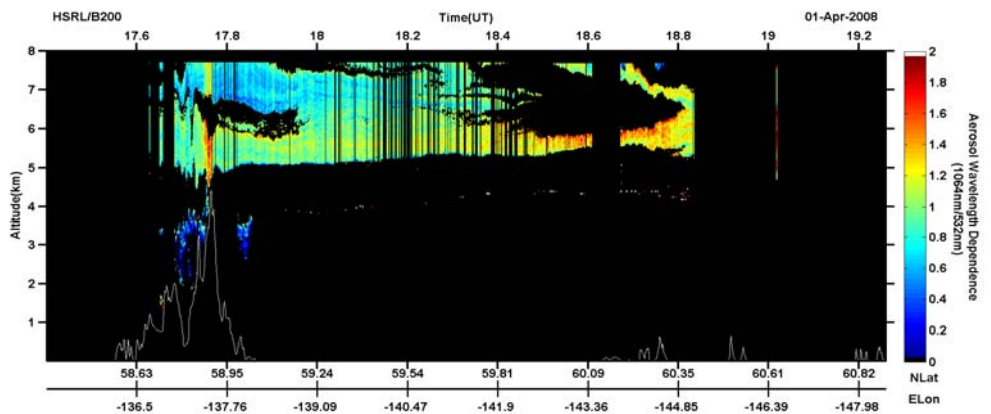
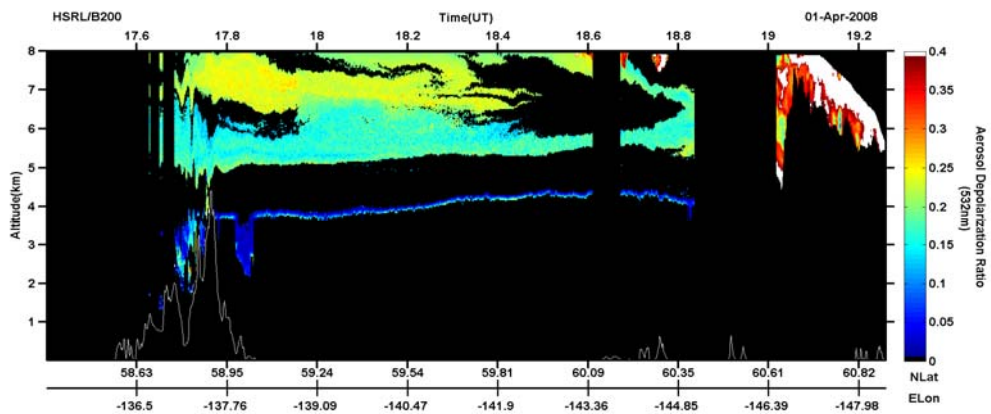
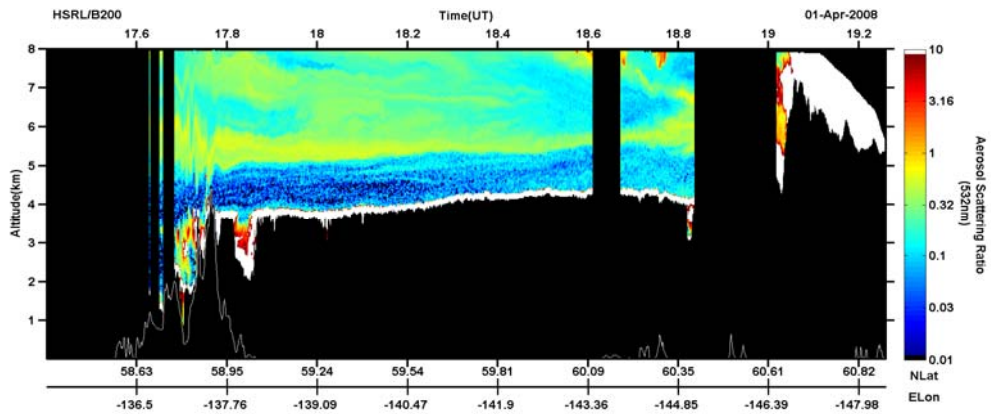
Aircraft :	LaRC B-200 King Air (N529NA) (Operating as NASA529)
Operating Site(s) From / To :	Elmendorf/Barrow
Flight Date :	4/01/2008
Flight Number :	R-129b
Take Off Time :	1339 Local, 2139 UTC
Landing Time :	1614 Local, 0014 UTC 4/02/2008
Flight Time :	2.6 hours
PI:	Rich Ferrare
Purpose of Flight :	Data [] Ferry [X] Functional Check [] Other []
Sensor Payload :	HSRL and Digital Camera
Comments :	Ferry flight. HSRL worked well. Clouds encountered along entire track, often through entire column. Aerosols of various type observed in free troposphere from ~65-68 degrees N.

SUBMITTED: Chris Hostetler 907-878-3101

DATE: 4/13/2008

Plots from Leg1





Plots from Leg 2

NASA Langley HSRL/B200 01-Apr-2008

