



Droplet Measurement Technologies Inc.

5710B Flatiron Parkway, Boulder, CO, 80301, USA

Ph: 303-440-5576, Fax: 303-440-1965

www.dropletmeasurement.com

CDP
Final Notes

Comments (continued):

Droplet Measurement Technologies Copy

Cloud and Aerosol Spectrometer

Cloud Aerosol and Precipitation Spectrometer



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CDP
Final Notes

Customer:
U of North Dalota

Project:
CCP

Work Order No.:

Serial No. CDP:
CDP-0901-048

Technician:
GG

Date:
1/30/2009

Comments:

Laser Power: 28.0 mW Laser Current: 62.16.0 mA Laser Power Monitor: 1.2

Beam Diameter: _____ mm Depth of Field Length: _____ mm

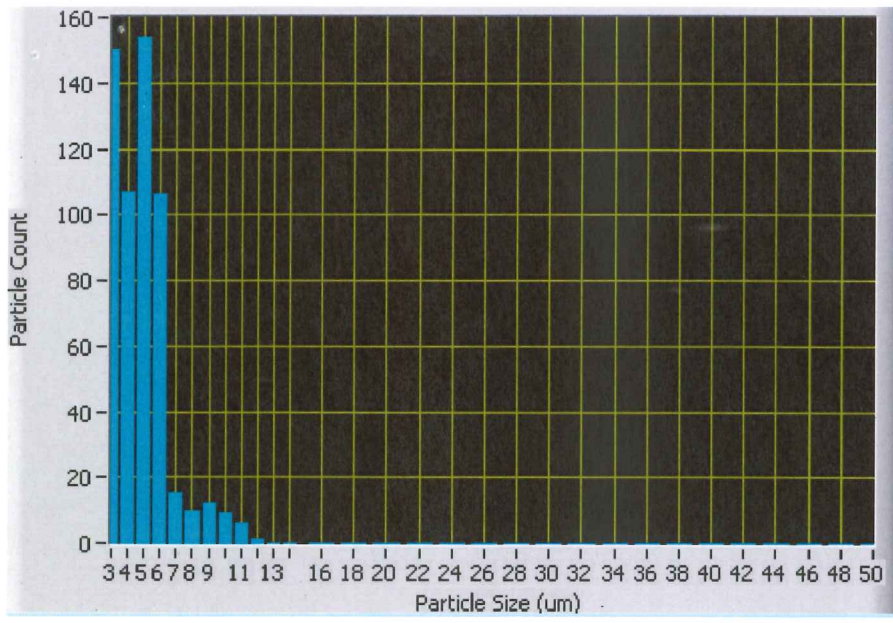
Sample Area: 0.240 mm² calculated

Firmware: 9a3d

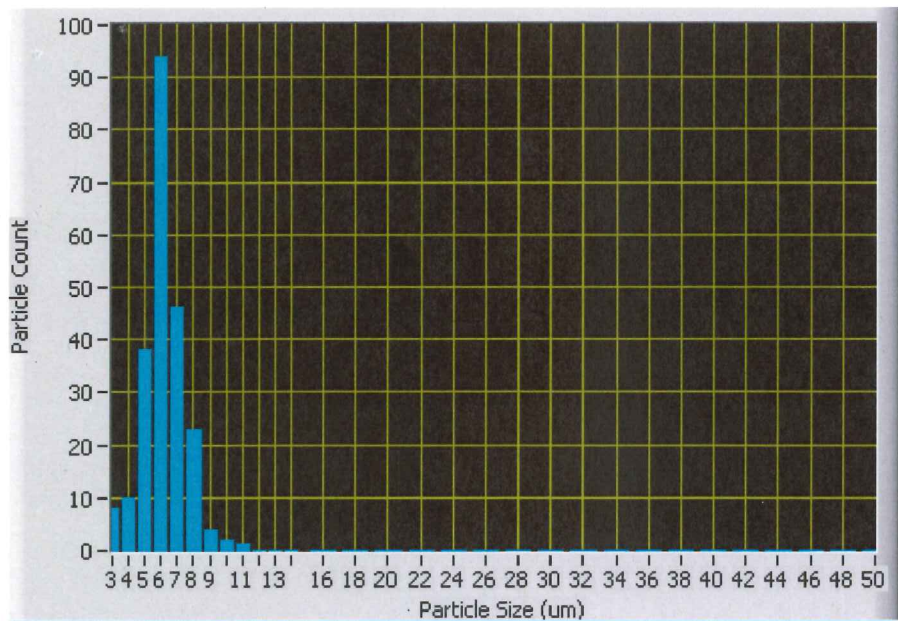
Customer Copy

Cloud and Aerosol Spectrometer

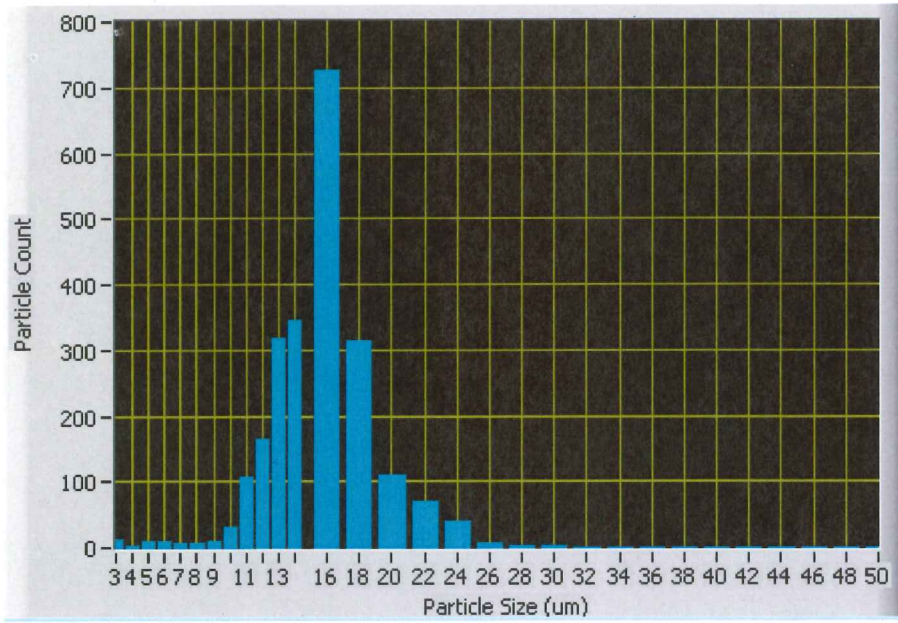
Cloud Aerosol and Precipitation Spectrometer



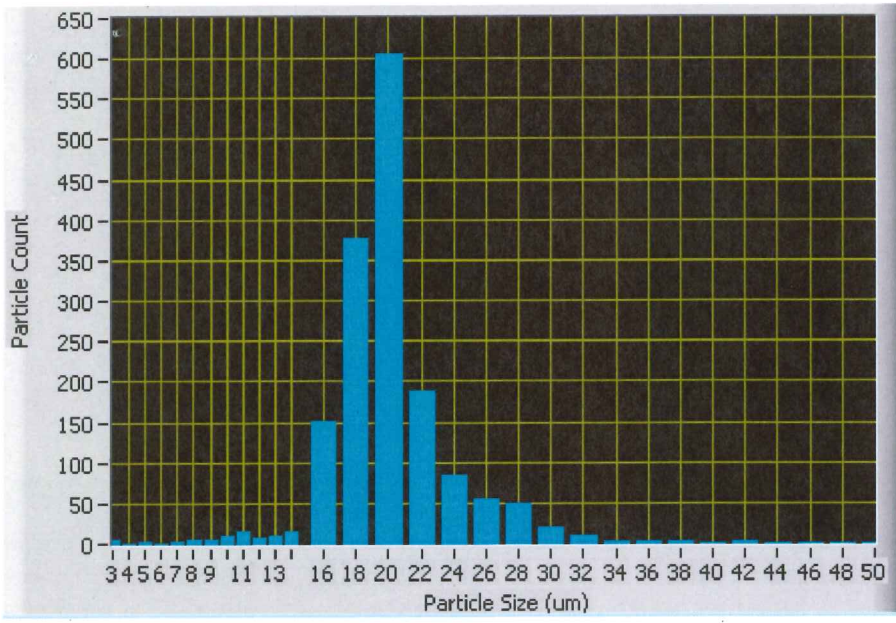
5um GLASS



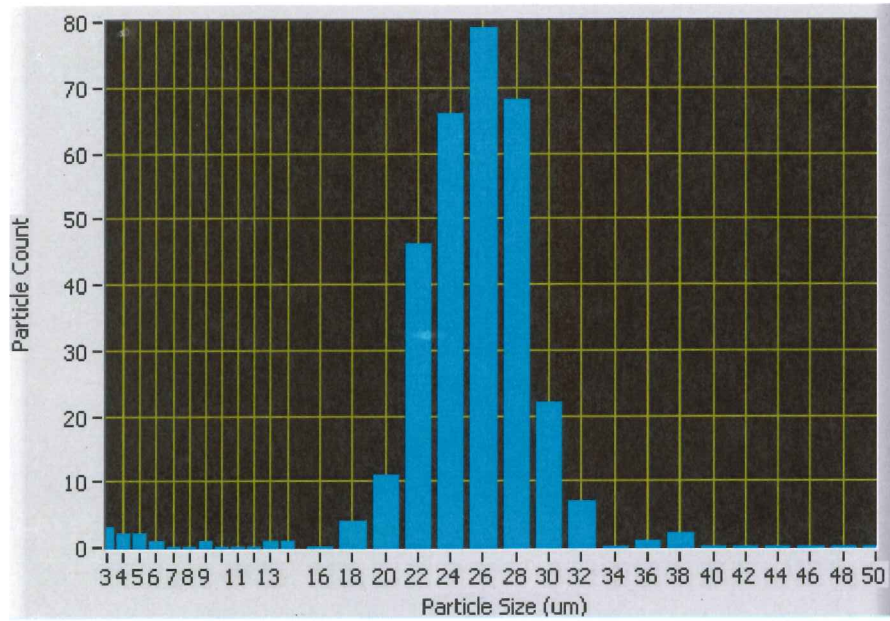
8 μm glass



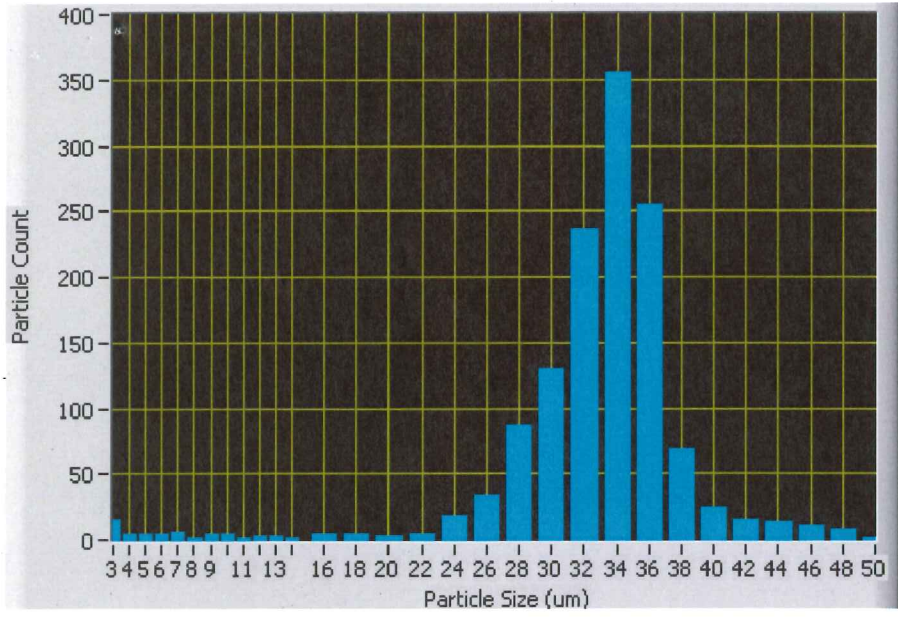
17.3 μm GLASS



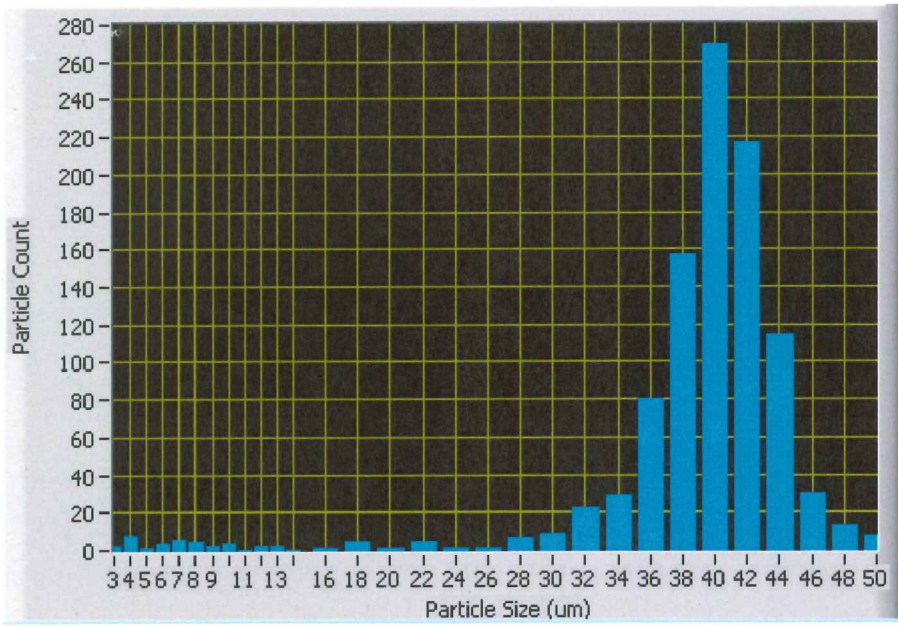
22 μm GLASS



30 μm GLASS



40µm GLASS



50µm GLASS



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CDP
CAL Data

Customer: U of North Dakota	Project: CCP	Work Order No.:
Serial No. CDP: CDP-0901-048	Engineer: GG	Date: 1/30/2009

CDPE PCBA (ABD-0072): Rev: 4C

Firmware (FIRM-0013): Rev 9a3d PbP Offset Voltage: Sizer: 300 Qualifier: 272

Serial Interface: RS-422 20um Pinhole > 2:1: $V_{\text{qualifier}}$: 1.20 v V_{Sizer} : 600 Size: 18

CDPE Power PCBA (ABD-0073): Rev: 4

Sizer PCBA (ABD-0187) Rev: 1

R1	R11	C1	Baseline Offset (mV)
18.0K	24.9K	1pF	-540

Qualifier PCBA (ABD-0188): Rev: 1

R14	R24	C13	Baseline Offset (mV)
36.0K	24.9K	1pF	-540

Signal and Power PCBA (ABD-0189) Rev: 1

Laser Driver PCBA (ABD-0186) Rev: 1 Heater Installed

Serial No.: CDP090119A	Laser Power (mW)	Laser Current (mA)	Current Trip
Power Monitor: 1.2	$P_L = 28.0$	$I_L = 62.16$	$I_t: 120$

Comments:

New Unit First Calibration
New sunlight filter and firmware revision

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Cloud and Aerosol Spectrometer

Cloud Aerosol and Precipitation Spectrometer