AAF BBOP Observations

JASON TOMLINSON, DULI CHAND, JENNIFER COMSTOCK, FAN MEI, JOHN HUBBE, BEAT SCHMID

ASR WG MEETING
ROCKVILLE, MD
NOVEMBER 4, 2013

20130809a –Colockum Tarps Fire

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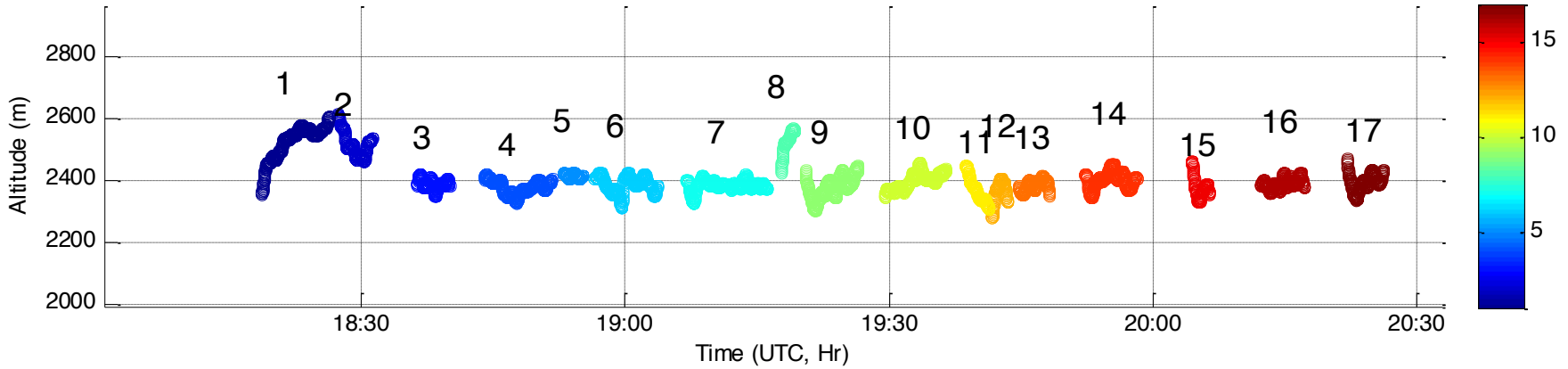

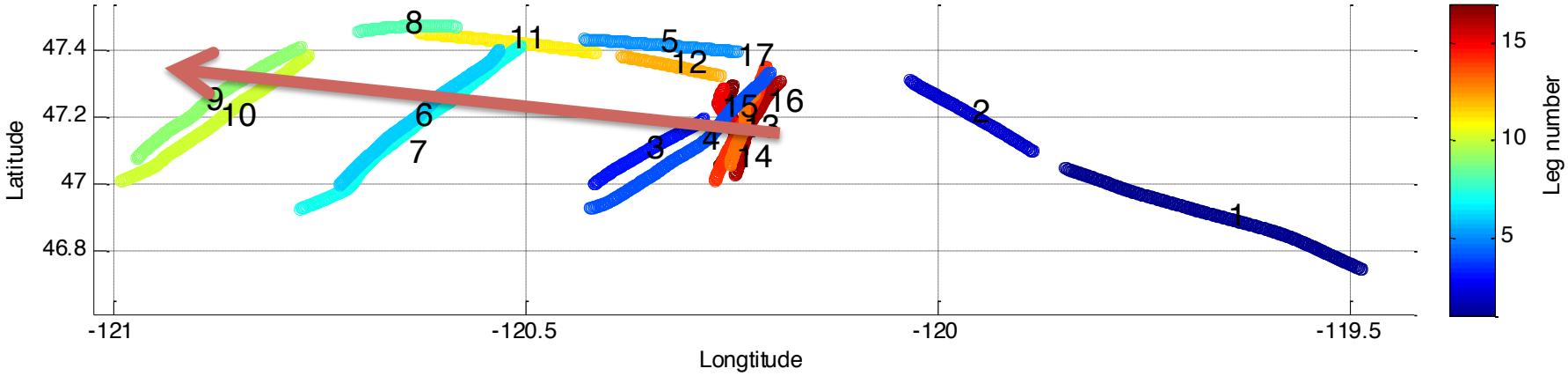

Fan Mei

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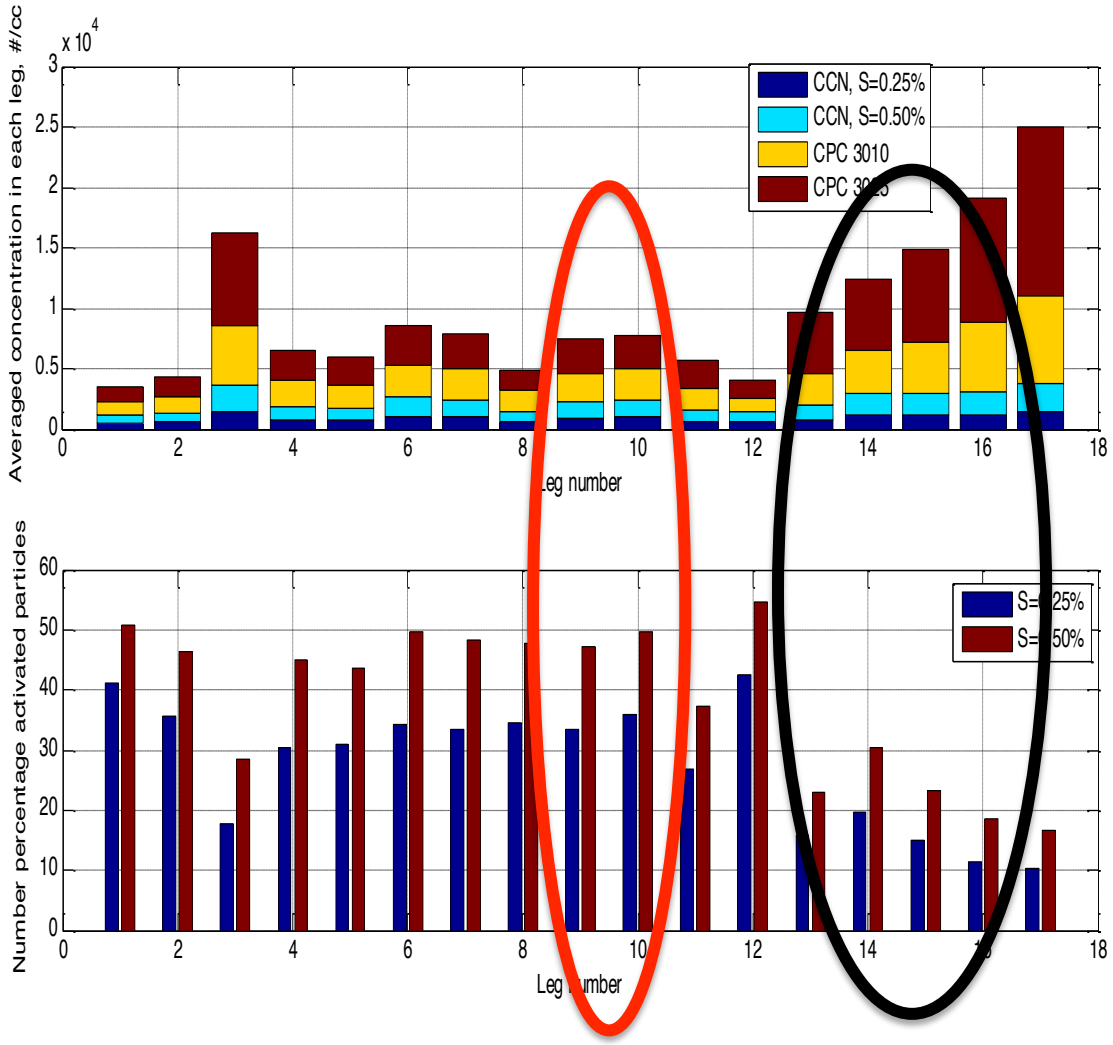

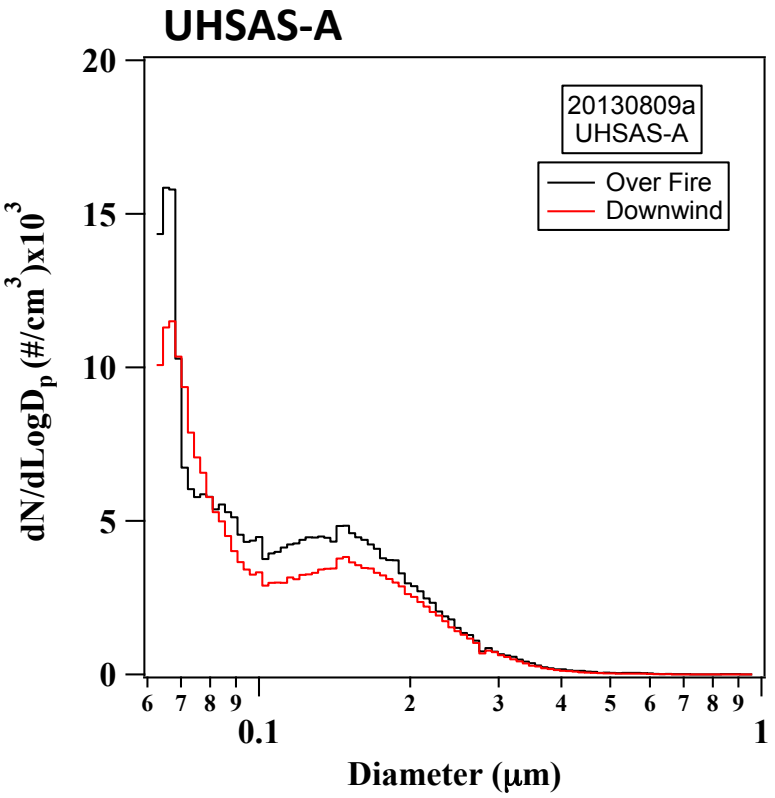

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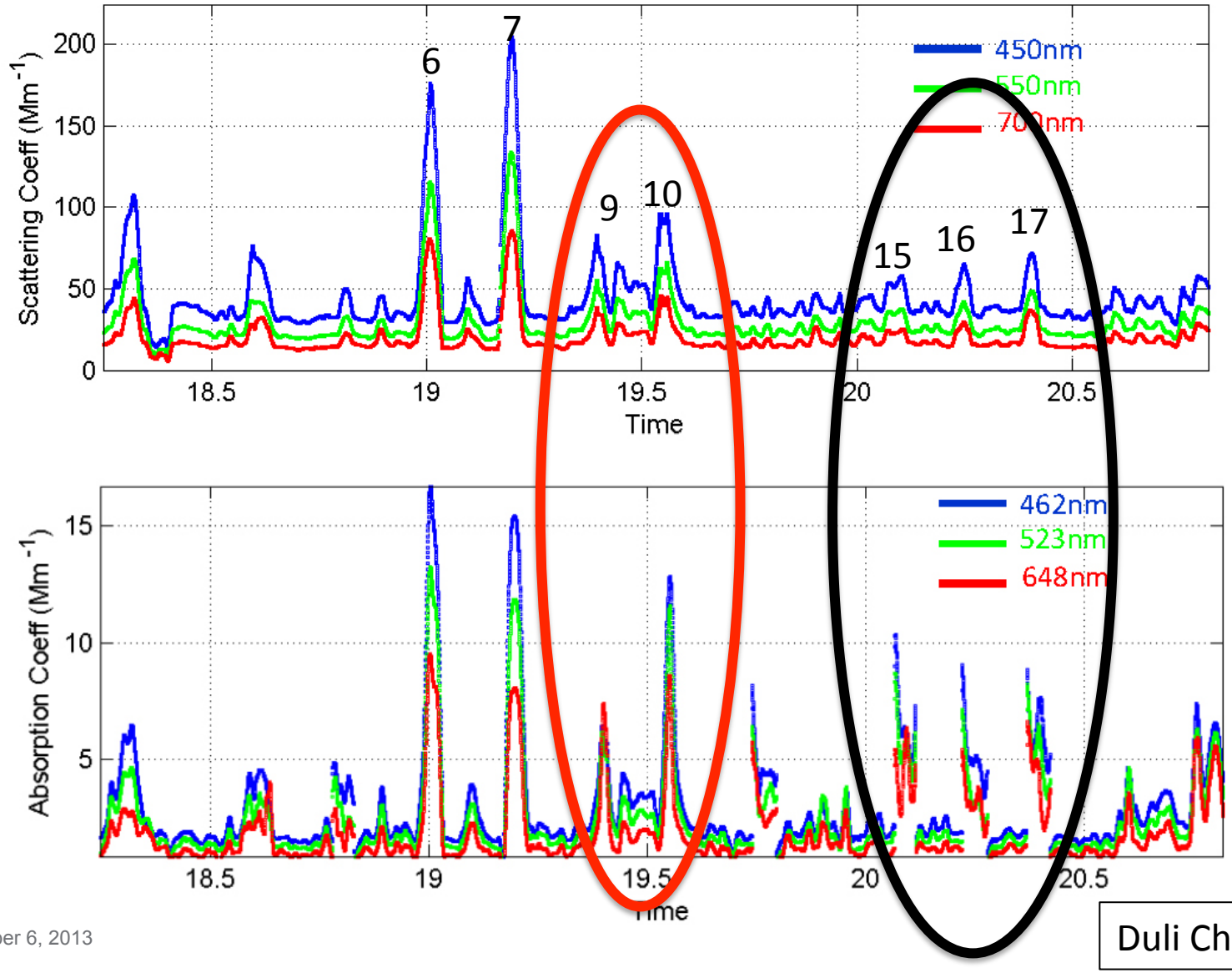

Duli Chand

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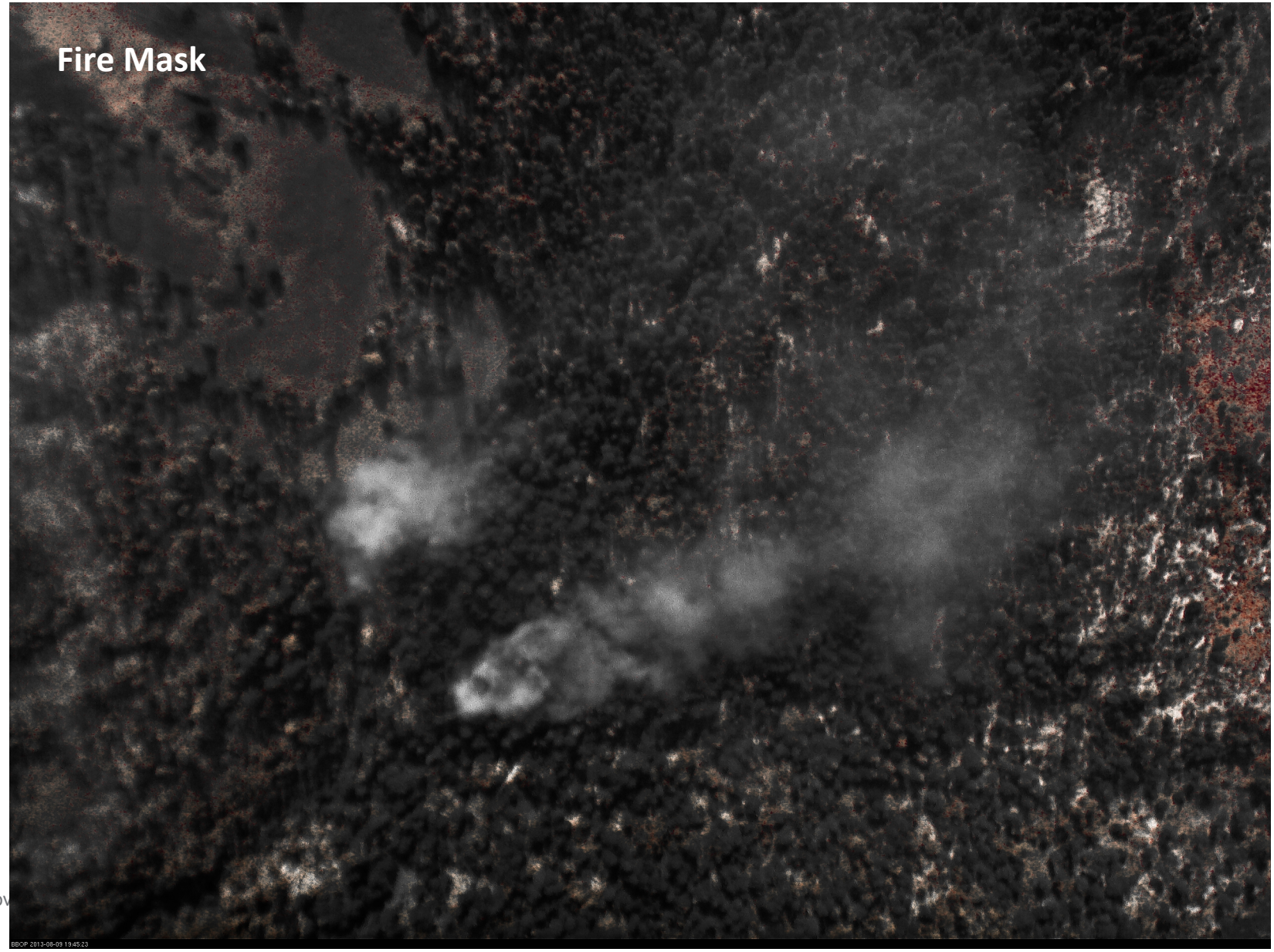

20131008a – Arkansas Agriculture Burn

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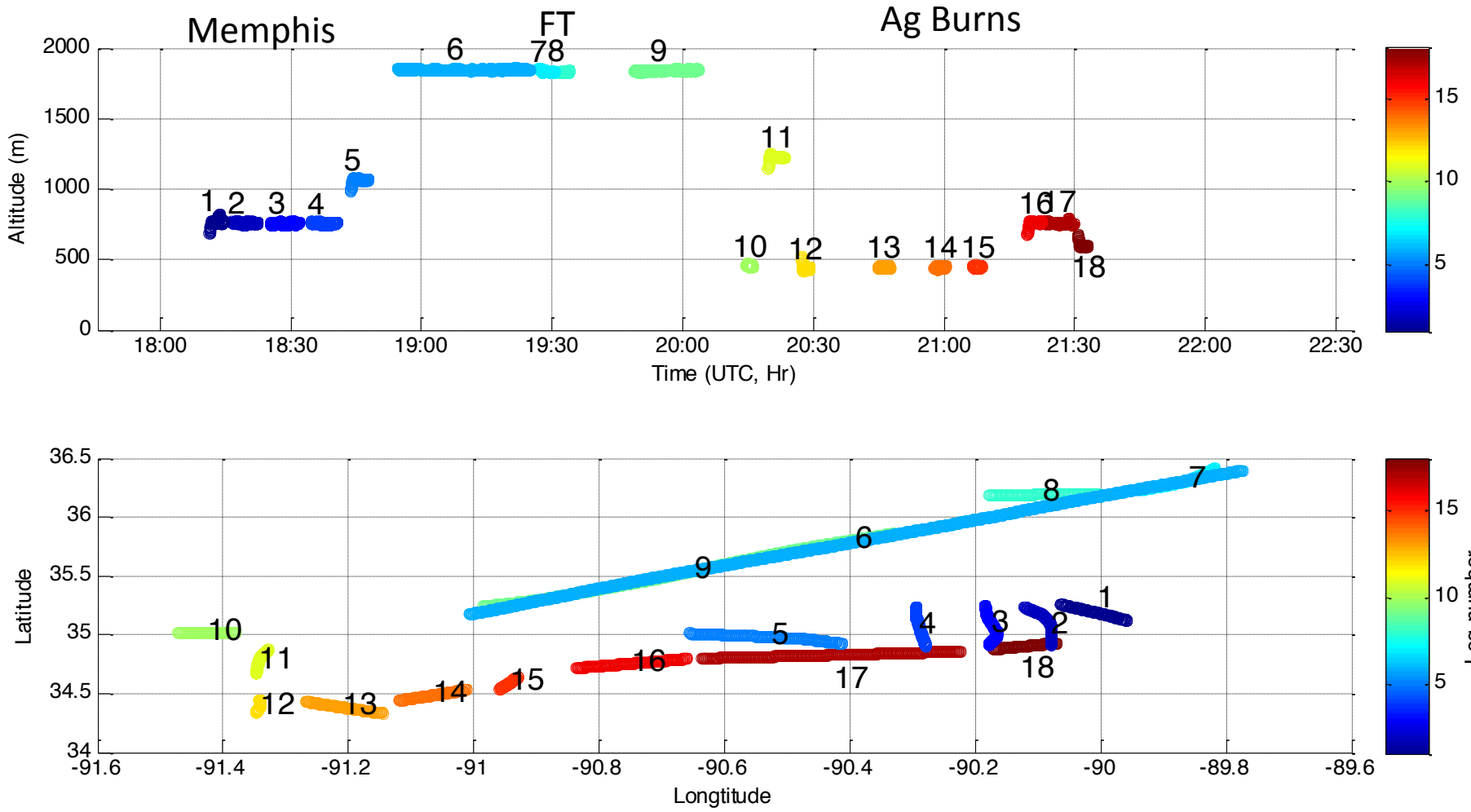
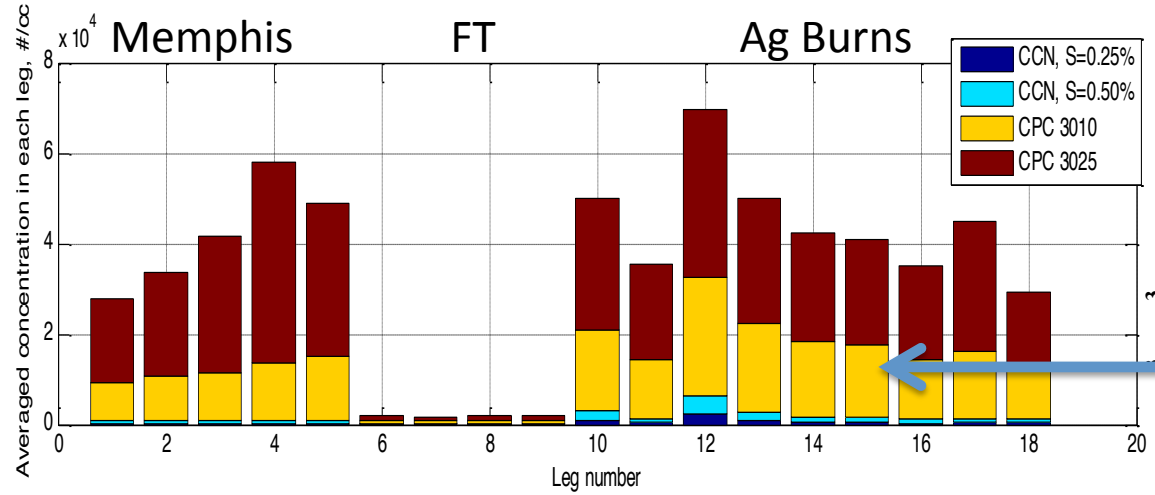
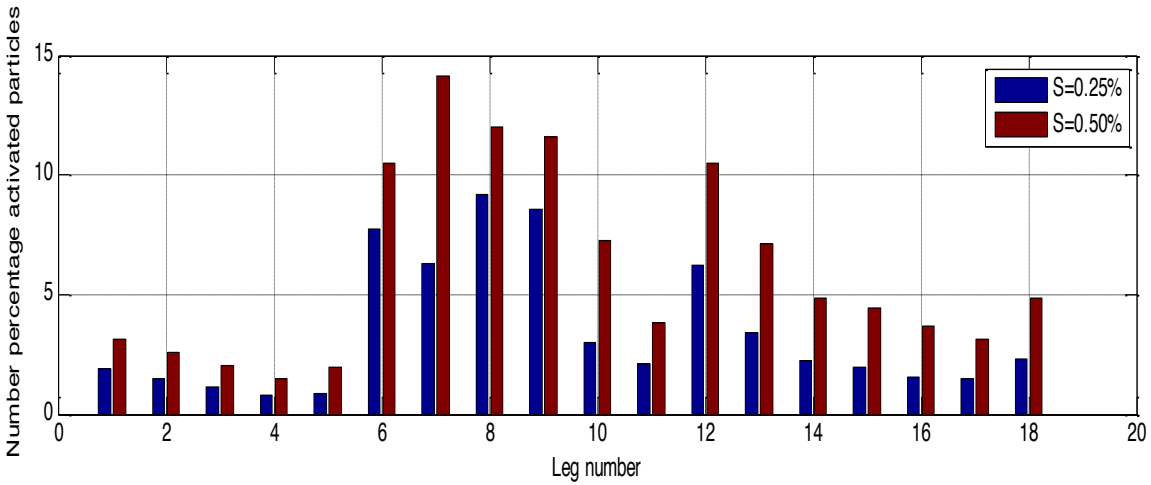
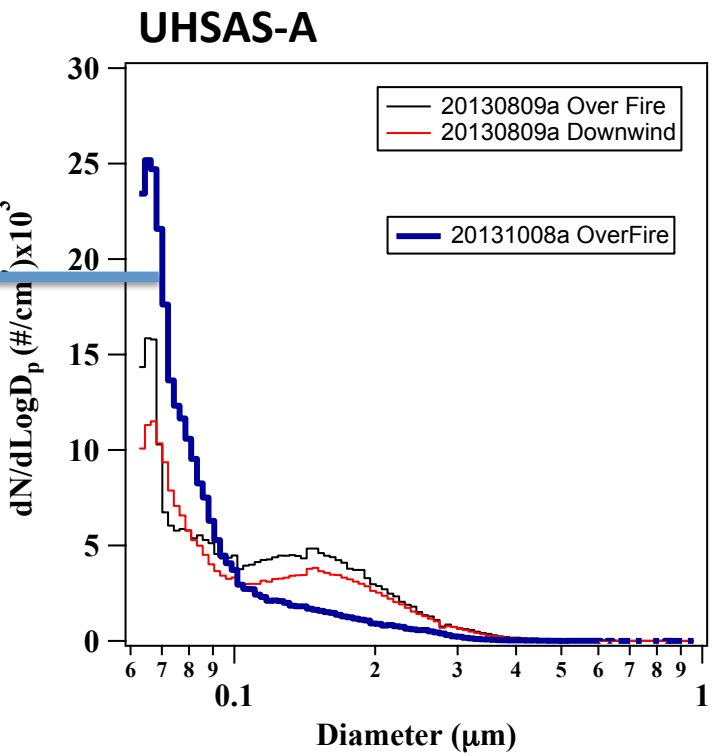


20131008a – Arkansas Agriculture Burn

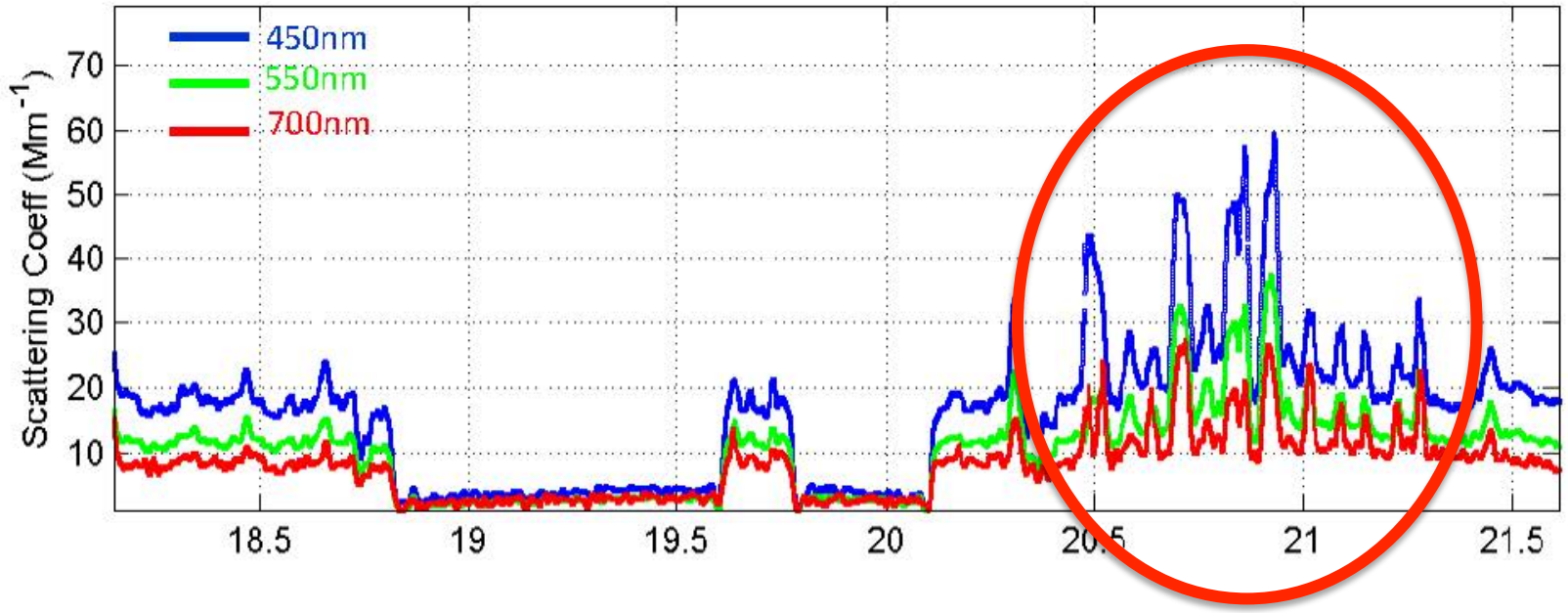






Notice change in y-axis scale

20131008a – Arkansas Agriculture Burn



PSAP was misbehaving due to high RH

20131008a – Arkansas Agriculture Burn

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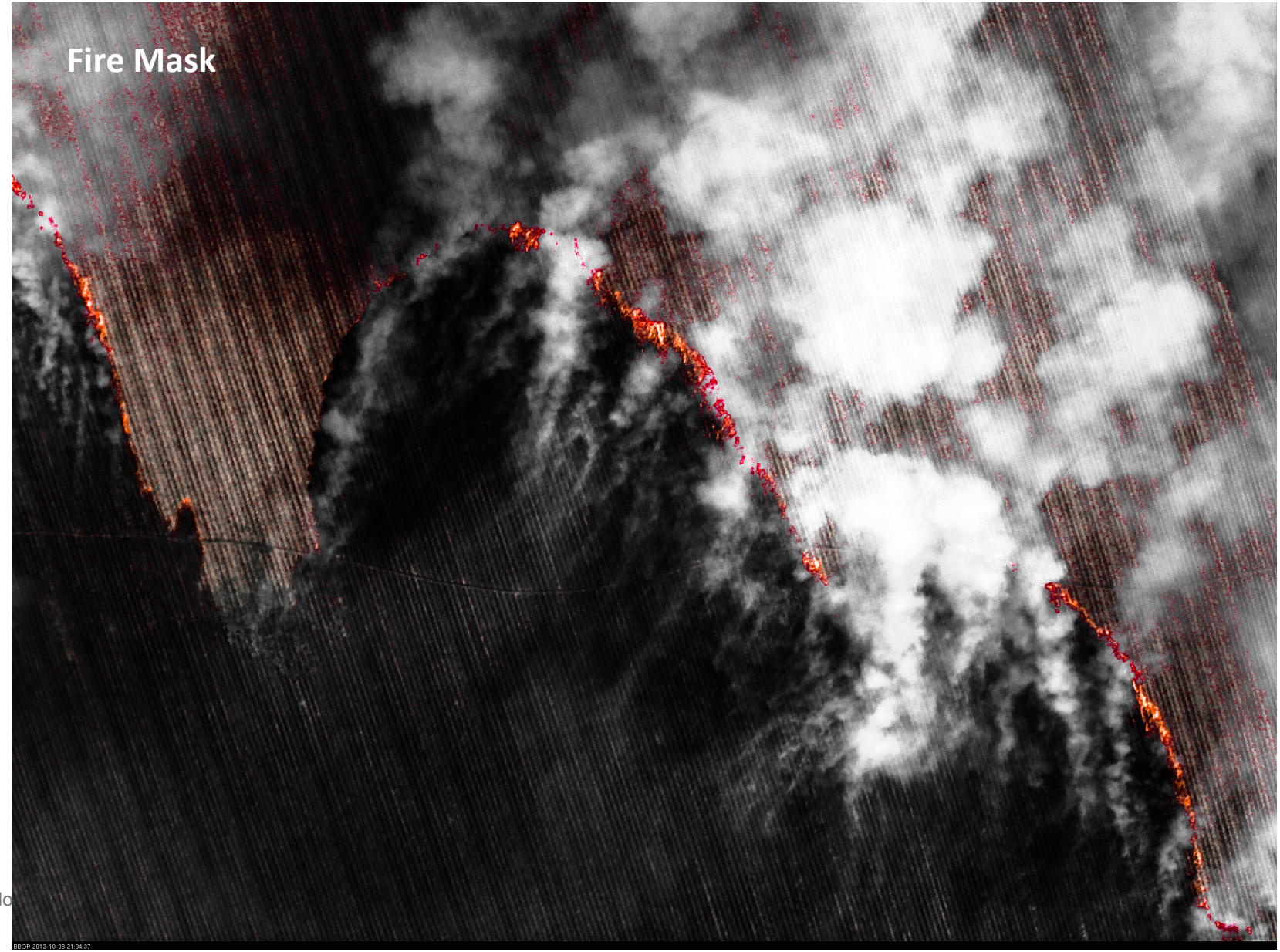

BBOP Data provided by AAF

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Rosemount 102	Temp.
GE 1011B	Dewpoint Temp
TDL	Water Vapor
Rosemount 1201F1	Static Pressure
AIMMS-20	Wind, Turbulence, Met
Gust Probe	Vertical Winds
PSAP	Light Absorption
TSI Nephelometer	Light Scattering
CPC3010	Number Conc.
CPC3025	Number Conc.
OPC	Aerosol Number Distribution.
DMT CCN Counter	CCN Concentration
UHSAS	SD 0.06 - 1.0 um
PCASP	SD 0.1 – 3.0 um
CAPS-CAS	SD 0.5-50 um
CAPS-CIP	SD 25-1500 um + Images
SPN-1 shaded	Downwelling shortwave radiation global+diffuse, broadband
SPN-1 unshaded	Downwelling shortwave radiation global, broadband
SPN-1 unshaded	Upwelling shortwave radiation global, broadband
MFR (1625 nm)	Multi wavelength radiometer

Video Camera P1347	Down-looking camera
Video Camera P1344	Forward-looking camera

Preliminary AAF Datasets