

PROCESS & CLOSURE STUDY DATA SUMMARY

Presenter:	Quinn & Bates	Russell	Ferrare, Turner et al.
Study name:	7 cruises	TARFOX	DOE ARM SGP
Period	1991 - 1997	10-31 Jul 96	April 1998-present
Lat:	Pacific and Atlantic	36-40N +	SGP (Oklahoma) (36° 37 ' N)
Lon:		70-76 W +	(97° 30 ' W)
Chemical type:	Range of compositions	Water, carbonaceous, sulfate §	Range of compositions
<u>Quantities</u>			
AOD:	(1)	(1)‡	355 nm (Raman Lidar) (1) Cimel, MFRSR
Sky radiance:	•	•§	•
Water vapor profiles:		•‡	•
Cloud properties:		•‡	
Total scat:	(31)	(31 RH) ‡	+
Hemi backscat:	(31)	•§	+
Lidar backscat:	•	•‡	
Abs:	(11)	•§	+
dN/dD:	5 nm – 10 mm	•‡	+
Chem comp:	ions, OC, BC	•§	
SSAlbedo:	(11)	•§	+
Refrac index:	Modeled	Modeled §	
Closure:	•Chemical/mass •Scat/AOD	•Chemical/mass •Scat/abs/AOD •Rad flux/AOD §	•Scat/AOD
Validation:	•AVHRR	•MAS •ATSR-2 •AVHRR, GOES	

•: available. ‡ : available at LaRC DAAC.

§ : contact PI or see journal paper. +: Surface values available from AOS (NOAA/Ogren)

PROCESS & CLOSURE STUDY DATA SUMMARY (Cont'd)

Presenter:	Coakley	Clarke
Study name:	INDOEX	ASTEX, ACE1, INDOEX
Period	Feb-Mar 98 (First Field Phase) 15 Feb-26 Mar 99 (Intensive Field Phase) Jan-Feb 96 & 97 (Additional Cruises)	1992-1999
Lat:	Indian Ocean 20S-20N	Atlantic, Pacific and Indian
Lon:	40E-100E	
Chemical type:	Water, carbonaceous, sulfate	Range of compositions
<u>Quantities</u>		
AOD:	•	(1)
Sky radiance:	•	§
Water vapor profiles:		§
Cloud properties:		
Total scat:	(RH)	(31)
Hemi backscat:	•	(31)
Lidar backscat:	•	
Abs:		(11)
dN/dD:	•	10 nm – 5 mm
Chem comp:		BC
SSAlbedo:	•	(11)
Refrac index:	Modeled	Modeled
Closure:	•Chemical/mass •Scat/abs/AOD •Multi l , scanning lidar AOD •Rad flux/AOD	• Scat/AOD
Validation:	•TDDR AOD •MCR Multichannel Cloud Radiometer AOD •AVHRR AOD •METEOSAT AOD •SeaWiFS AOD •CERES Fluxes •ScaRaB Fluxes	

•: available. § : contact PI or see journal paper.