List of existing satellite aerosol dataset inter-comparisons to be filled in prior to / at the meeting

Multiple algorithms from one sensor are compared in several cases

Ocean / Dust AOD (properties)

publication	*variables*	*method(s)*	*sensors*															*period*	*region(s)*	*reference(s)*
			VIIRS	*SeaWIFS*	*AVHRR*	*TOMS*	*MODIS*	*MISR*	*POLDER*	*AATSR*	*MERIS*	*SYNAER*	*OMI*	*AIRS*	*IASI*	*CALIOP*	*SEVIRI*			
Smirnov, et al. (2011), AMT, 4, 583-597, doi:10.5194/amt-4-583-2011	AOD	Lv2 statistics					x	x										2006-2010 (80 cruises)	Global oceans	MAN
Kinne, S. (2009), edited by A.Kokhanovsky and G. de Leeuw, Springer ISBN: 978-3-540-69396-3	AOD	L3 scoring			x	x	x	x	x									Various multi-annual	Global ocean; regions	AERONET, SKYNET
Myhre, et al., (2005), ACP, 5, 1697-1719, doi:10.5194/acp-5-1697-2005	AOD	Monthly means		x	x	x	x	x				x						Various, 1997-2000 / 8M of 2000	Global oceans; regions	AERONET, campaigns
Sayer, et al., (2012), JGR, 117, D03206, doi:10.1029/2011JD016599	AOD	Lv3		x			x	x		x	x							Multi-year	Global ocean	AERONET
Kahn, et al. (2007)., *JGR*, 112, D18205, doi:10.1029/2006JD008175.	AOD, ANG, size distribution, refr indices	L2					x	x										2001-2005 case studies	Over-water case studies	AERONET
Carboni, et al. (2012), AMT, 5, 1973-2002, doi:10.5194/amt-5-1973-2012	Dust AOD	L3 statistics					x	x	x	x	x		x	x			x	March 2006	Saharan Dust Plume	AERONET
Banks, et al. (2013), RSE, 136, 99-116, doi: 10.1016/j.rse.2013.05.003	Dust AOD	Lv2 statistics					x	x							x		x	June 2011	Sahara	AERONET + Fennek campaign (ground, air, lidar)

Land / AOD (ANG, properties)

Publication	*variables*	*method(s)*	*sensors*															*period*	*region(s)*	*reference(s)*
			VIIRS	*SeaWIFS*	*AVHRR*	*TOMS*	*MODIS*	*MISR*	*POLDER*	*AATSR*	*MERIS*	*SYNAER*	*OMI*	*AIRS*	*IASI*	*CALIOP*	*SEVIRI*			
Kahn et al. (2011), JQSRT, 112:901–909. doi:10.1016/j.jqsrt.2009.11.003	AOD	L2 statistics					x	x										3 months 2006	Global	-
Liu, et al. (2014), JGR, 119, 3942–3962, doi:10.1002/2013JD020360.	AOD	L2 statistics	x				x											2012/13	global	AERONET, MAN
Kinne, et al. (2003), *JGR*, 108, 4634, doi:10.1029/2001JD001253	AOD	Monthly means			x	x	x												global	AERONET, AEROCOM
C. Kittaka et al. (2011), AMT, 4, 131–141, www.atmos-meas-tech.net/4/131/2011/ doi:10.5194/amt-4-131-2011	AOD	Collocated pairs, 5 deg grid					x									x		2006-2008	global	-
Sayer, et al. (2012), AMT, 5, 1761-1778, doi:10.5194/amt-5-1761-2012	AOD	Lv3		x			x	x										Multi-year	global	AERONET
Redemann, et al. (2012), ACP 12, 3025-3043, doi:10.5194/acp-12-3025-2012, 2012	AOD	L2					x									X		4M 2007 & 2009	Global CALIOP track	-
Carlson and Lacis (2013), JGR, 118, 8640–8648, doi:10.1002/jgrd.50686	AOD	PCA analysis		x			x	x										2002-2010	Global ocean	-
Kahn,et al. (2009), TGARS 47, 4095-4111, doi: 10.1109/TGRS.2009.2023115	AOD, ANG	L2 statistics					x	x										2M of 2006	Global	-
Bréon,et al., (2011), RSE 115, 3102	AOD, ANG	L2 statistics					x		x		x					x	x	various, 2006-2008	global; sea/land	AERONET
de Leeuw, et al., RSE (2014) doi: 10.1016/j.rse.2013.04.023	AOD, ANG	Lv2 statistics L3 statistics L3 scoring					x	x	x	x	x	x						4M of 2008	global; sea, land, regions, seasons	AERONET
Holzer-Popp, et al., AMT, 6, 1919 - 1957, (2013) doi:10.5194/amt-6-1919-2013	AOD, ANG	L3 statistics algorithm experiments (sensitivities)					x	x	x	x	x	x						1M of 2008	Global; sea land, regions	AERONET
Kokhanovsky, et al. (2010), AMT, 3, 909-932, doi:10.5194/amt-3-909-2010	AOD, optical properties	Single cases					x	x	x	x	x							Single cases	Single cases	Simulations