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Supplement of

Two decades of satellite observations of AOD over mainland China using ATSR-2, AATSR and MODIS/Terra: data set evaluation and large-scale patterns

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Table S1. AERONET sites used in this study

<i>AERONET name station</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Measurements days (2002- 2012)</i>
BackGarden_GZ	23,3	113,0	2006/06/22-2006/07/27
Beijing	40,0	116,4	2002/04/23-2012/12/31
Chao_Jou	22,5	120,5	2005/01/20-2005/01/27
Chen-Kung_ Univ	23,0	120,2	2002/03/01-2002/05/14 2002/10/08-2003/04/12 2003/10/11-2004/04/25 2004/10/23-2005/05/30 2005/11/08-2006/05/22 2006/11/30-2007/07/10 2009/03/12-2012/07/03
EPA-NCU	25,0	121,2	2006/07/18-2012/10/25
Hangzhou-ZFU	30,3	119,7	2007/08/08-2007/11/14
Hefei	31,9	117,2	2005/11/17-2005/12/20 2008/01/01-2008/05/07 2008/08/28-2008/11/20
Jingtai	37,3	104,1	2008/02/26-2008/05/01
Kaiping	22,3	112,5	2008/10/09-2008/11/19
Lanzhou_City	36,0	103,9	2009/10/02-2010-03/13
Liangning	41,5	122,7	2005/04/06-2005/07/05
Lulin	23,5	120,9	2006/08/05-2012/12/22
Minqin	38,6	103,0	2010/05/18-2010/06/20
Muztagh_Ata	38,4	75,0	2011/06/06-2011/12/11
NAM_CO	30,8	91,0	2006/08/06-2007/08/24 2009/01/27-2011/01/12
NCU_Taiwan	25,0	121,2	2002/01/03-2003/12/05 2004/07/29-2005/12/20 2006/08/16-2006/10/25 2008/04/25-2009/09/26 2010/04/30-2011/06/10

			2011/09/19-2012/05/14
PKU_PEK	39,6	116,2	2006/08/14-2006/09/10 2008/07/21-2008/08/27
QOMS_CAS	28,4	86,9	2010/09/30-2012/12/24
SACOL	35,9	104,1	2006/07/28-2008/10/07 2009/03/03-2012/08/10
Shouxian	32,6	116,8	2008/05/10-2008/12/25
Taichung	24,1	120,5	2005/10/13-2005/11/07
Taihu	31,4	120,2	2005/09/01-2009/05/31 2009/10/02-2010/09/24 2011/04/08-2010/10/04
Taipei_CWB	25,0	121,5	2002/10/19-2003/05/30 2003/10/21-2004/05/12 2004/11/04-2005/07/07 2005/10/06-2006/05/01 2006/12/11-2008/09/24 2009/01/11-2009/09/26 2010/02/27-2010/06/01 2001/02/22-2001/02/28 2001/05/21-2012/12/29
XiangHe	39,8	117,0	2004/09/05-2012/05/18
Xinglong	40,4	117,6	2006/02/19-2006/07/23 2007/10/26-2008/05/22 2009/07/31-2012/05/09
Yufa_PEK	39,3	116,2	2006/08/14-2006/09/09
Yulin	38,3	109,7	2002/03/28-2002/10/31
Zhangye	39,1	100,3	2008/04/11-2008/06/16
Zhongshan_Univ	23,1	113,4	2001/11/02-2012/07/09