

Instrument	Data set	Label	Number	Time period	
ACE-FTS	v2.2	ACE-FTS v2.2	1	03/2004–09/2010	
	v3.5	ACE-FTS v3.5	2	03/2004–12/2014	
GOMOS	LATMOS v6	GOMOS	3	09/2002–07/2011	
HALOE	v19	HALOE	4	10/1991–11/2005	
HIRDLS	v7	HIRDLS	5	01/2005–03/2008	
ILAS-II	v3/3.01	ILAS-II	6	04/2003–08/2003	
MAESTRO	Research	MAESTRO	7	03/2004–12/2014	
MIPAS	Bologna V5H v2.3 NOM	MIPAS-Bologna V5H	8	07/2002–03/2004	
	Bologna V5R v2.3 NOM	MIPAS-Bologna V5R NOM	9	01/2005–04/2012	
	Bologna V5R v2.3 MA	MIPAS-Bologna V5R MA	10	01/2005–04/2012	
	ESA V5H v6 NOM	MIPAS-ESA V5H	11	07/2002–03/2004	
	ESA V5R v6 NOM	MIPAS-ESA V5R NOM	12	01/2005–04/2012	
	ESA V5R v6 MA	MIPAS-ESA V5R MA	13	01/2005–04/2012	
	ESA V7R v7 NOM	MIPAS-ESA V7R	14	01/2005–04/2012	
	IMKIAA V5H v20 NOM	MIPAS-IMKIAA V5H	15	07/2002–03/2004	
	IMKIAA V5R v220/221 NOM	MIPAS-IMKIAA V5R NOM	16	01/2005–04/2012	
	IMKIAA V5R v522 MA	MIPAS-IMKIAA V5R MA	17	01/2005–04/2012	
	Oxford V5H v1.30 NOM	MIPAS-Oxford V5H	18	07/2002–03/2004	
	Oxford V5R v1.30 NOM	MIPAS-Oxford V5R NOM	19	01/2005–04/2012	
	Oxford V5R v1.30 MA	MIPAS-Oxford V5R MA	20	01/2005–04/2012	
	MLS	v4.2	MLS	21	08/2004 – 12/2014
	POAM III	v4	POAM III	22	04/1998–11/2005
	SAGE II	v7.00	SAGE II	23	01/1986–08/2005
	SAGE III	Solar occultation v4	SAGE III	24	04/2002–06/2005
SCIAMACHY	Limb v3.01	SCIAMACHY limb	25	08/2002–04/2012	
	Lunar occultation v1.0	SCIAMACHY lunar	26	04/2003–04/2012	
	Solar occultation – OEM v1.0	SCIAMACHY solar OEM	27	08/2002–08/2011	
	Solar occultation – Onion peeling v4.2.1	SCIAMACHY solar Onion	28	08/2002–08/2011	
SMILES	NICT v2.9.2 band A	SMILES-NICT band A	29	01/2010–04/2010	
	NICT v2.9.2 band B	SMILES-NICT band B	30	01/2010–04/2010	
SMR	v2.0 544 GHz	SMR 544 GHz	31	11/2001–12/2014	
	v2.1 489 GHz	SMR 489 GHz	32	11/2001–08/2014	
SOFIE	v1.3	SOFIE	33	08/2007–09/2014	