

TASTE - TECHNICAL ASSISTANCE TO ENVISAT VALIDATION
BY SOUNDINGS, SPECTROMETERS AND RADIOMETERS

CORRELATIVE DATABASE STATUS AND
VALIDATION HIGHLIGHTS – MARCH 2005

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TASTE UPDATE REPORT – MARCH 2005

CONTENTS

A. SCOPE OF THIS DOCUMENT	3
B. UPLOADED CORRELATIVE MEASUREMENTS.....	3
B.1. DESCRIPTION OF THE CORRELATIVE DATABASE.....	3
B.2. MONTHLY DATA DISTRIBUTION FOR 2002	5
B.3. MONTHLY DATA DISTRIBUTION FOR 2003	7
B.4. MONTHLY DATA DISTRIBUTION FOR 2004	9
B.5. (PROVISIONAL) MONTHLY DATA DISTRIBUTION FOR 2005	11
C. HIGHLIGHTS AND PERSPECTIVES.....	13
C.1. VALORISATION AT MEETINGS AND SYMPOSIA	13
C.2. PUBLICATIONS AND REPORTS.....	13
C.3. PERSPECTIVES.....	13

A. SCOPE OF THIS DOCUMENT

The TASTE project provides ESA with Technical Assistance To Envisat atmospheric chemistry validation throughout the satellite lifetime. The project involves an international consortium gathering complementary expertise in remote sensing and satellite validation, namely, BIRA-IASB (Belgium), CNRS/SA (France), FMI-ARC (Finland), IFE/Bremen (Germany), IMK/FZK (Germany), INTA (Spain), KMI-IRM (Belgium), KNMI (Netherlands), NIWA (New Zealand), and SPbSU (Russia), and their collaborators. Main tasks relate to the collection and delivery of correlative data to the Envisat Cal/Val database operated at NILU on behalf of ESA; the monitoring of those data sets; geophysical validation studies based on comparisons between Envisat (GOMOS, MIPAS and SCIAMACHY) and ground-based data sets; and the valorisation of the validation results.

This document reports on the monthly progress of correlative data uploads and related ground-based validation activities performed in the framework of TASTE. Section B monitors the time coverage of the correlative measurements uploaded to the Envisat Cal/Val database, year after year. Section C proposes a few highlights for the reporting period.

B. UPLOADED CORRELATIVE MEASUREMENTS

B.1. Description of the correlative database

The following correlative measurements have been collected for Envisat validation purposes:

- O₃ column amount from Dobson and Brewer ultraviolet spectrophotometer and from M-124 ultraviolet filter radiometer;
- O₃ vertical distribution from balloon-borne electrochemical ozonesonde and from millimetre wave radiometer;
- O₃, NO₂, BrO and OCIO column amount from UV-visible Differential Optical Absorption spectrometer (UVVIS);
- O₃, NO₂, CO, CH₄, HNO₃, and N₂O data from (Fourier Transform) infrared (FT)IR spectrometer.

Correlative measurements have been collected at the geographical locations identified in Figure 1. They cover a variety of major geophysical features in the polar and middle latitudes of both hemispheres and in the tropics. In general, there is at least one representative of every instrument technique by latitude region. The list includes the five primary stations of WMO/GAW Network for the Detection of Stratospheric Change NDSC (Arctic, Alpine, Hawaii, New Zealand and Antarctic) plus a list of complementary NDSC stations. The Russian/NIS ozone-monitoring network enhances considerably the sampling over Eurasia.

Collected data sets have been converted into the agreed HDF 4.1.3 format and uploaded to the Envisat Cal/Val database established at NILU. Upload Status Tables presented in Subsections B.2 to B.5 display, month by month, the number of measurement days uploaded to Cal/Val. An exception relates to the UVVIS columns of BrO and OCIO, for which SCIAMACHY validation procedures are still a matter of research due to issues like the strong diurnal variation of the species or uncertainties on the air mass factor (see dedicated papers (co-) authored by members of the consortium). For this reason, common UVVIS BrO and OCIO parameters for SCIAMACHY validation purposes cannot be determined yet, and the upload to Cal/Val varies from one group to another according to his validation method. Special requests can be addressed to the individual UVVIS teams.

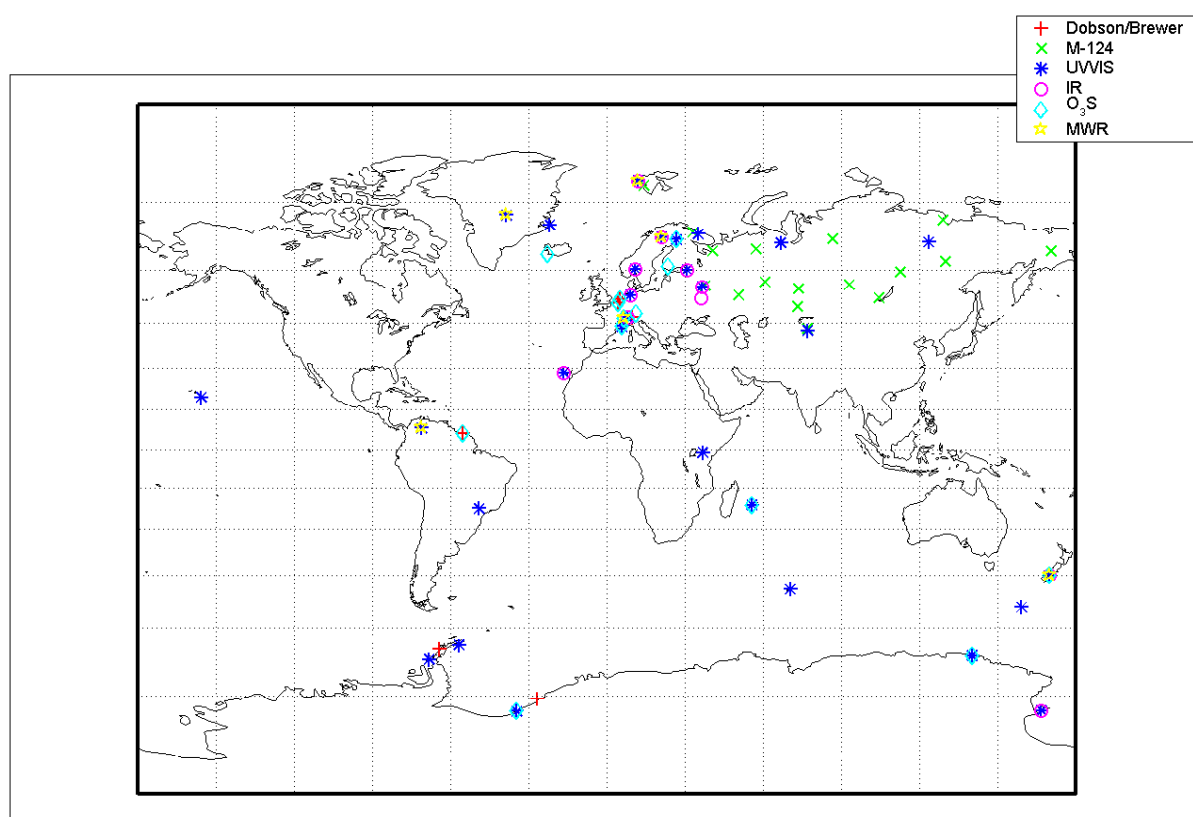


Figure 1. Ground-based instrumentation contributing to the TASTE project: Dobson and Brewer UV spectrophotometers, M-124 UV filter radiometers, UV-visible DOAS spectrometers (UVVIS), IR and FTIR spectrometers (IR), balloon-borne ozonesondes (O_3S), and millimetre wave radiometers (MWR).

To get a consistent overview despite the wide variety of ground-based techniques, numbers reported in the Upload Status Tables of Subsections B.2 to B.5 represent the amount of days for which there is at least one measurement suitable for Envisat validation. It should be noted that the actual amount of individual measurements acquired by an instrument and stored on Cal/Val data files may vary with:

- The type of ground-based instrument: e.g. direct sun observations (Brewer, Dobson, FTIR and M-124) depend on weather conditions while scattered-light UVVIS observations are feasible virtually in all weather;
- The latitude: e.g., most of standard techniques do not provide measurements during polar night;
- The data type and file format adopted by the Data Submitter: some stations store data in monthly files, others in daily files, and others by individual measurement; some Brewer or microwave data files report one measurement every 30 min (reaching sometimes several thousands a month) while others provide only daily averages (thus a maximum of 31 values a month);
- The type of data processing: SAOZ/UVVIS data at remote stations processed in real-time by the built-in software and transmitted to CNRS via the ARGOS satellite system, include only one average value for each twilight, while reprocessing at the central laboratory of all the recorded spectra yields one value for every individual measurement.

B.2. Monthly Data Distribution for 2002

Brewer	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N		0	0	0	1	0	0	24	30	24	3		82
Jokioinen	61°N	0	0	0	0	0	0	0	18	28	29	15	1	91
De Bilt	52°N	0	0	0	0	1	30	31	31	30	31	30	31	215
Uccle	51°N	0	0	0	0	0	1	29	31	27	31	28	31	178
Arosa	46°N	27	24	24	26	25	27	24	25	22	25	18	20	287
Paramaribo	6°N	2	2	0	0	0	28	31	31	30	22	25	31	202

Dobson	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Uccle	51°N	19	18	17	9	0	0	0	0	0	0	0	0	63
Arosa	46°N	29	21	26	23	22	26	27	26	19	28	14	21	282
Lauder	45°S	21	18	19	15	20	15	18	19	19	27	20	15	226
Vernadsky	65°S	31	28	31	30	Polar night			31	30	31	30	31	273
Halley	76°S	31	28	31	15				6	30	31	30	31	233
Arrival Heights	78°S	0	0	0	0				0	0	0	0	0	0

UV-Vis	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N	Polar night		0	0	0	0	30	31	29	24	Polar night		114
Summit	72°N			0	0	0	0	0	0	0	0			0
Scoresbysund	70°N	14	24	27	22	26	26	18	24	30	29	4		244
Lovozero (optional)	69°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiruna	68°N	23	28	31	30	31	1	21	31	24	21	28	2	271
Sodankylä	67°N	30	28	30	30	31	30	31	31	30	31	30	31	363
Zhigansk	67°N	30	28	31	30	31	30	31	31	30	31	29	26	358
Harestua	60°N	0	0	0	0	0	26	22	23	30	25	29	29	184
St Petersburg	60°N	0	0	0	0	0	0	30	30	25	28	0	0	113
Zvenigorod (optional)	55°N	0	0	0	0	0	0	20	31	30	0	0	0	81
Bremen	53°N	0	0	0	0	0	0	28	31	30	31	30	0	150
Jungfraujoch	47°N	0	0	0	0	31	30	31	31	30	31	30	31	245
O.H.P.	44°N	31	24	29	30	31	30	31	31	21	23	28	31	340
Issyk-Kul (optional)	43°N	0	0	0	0	0	0	31	29	22	31	30	29	172
Izaña	28°N	0	0	0	0	0	0	31	28	28	31	20	12	150
Mauna Loa	19°N	31	28	30	30	31	30	31	23	30	31	30	31	356
Nairobi	1°S	0	0	0	0	0	0	0	0	30	31	30	31	122
Saint Denis	21°S	25	21	28	20	0	0	0	0	0	0	13	31	138
Bauru	22°S	29	21	27	27	31	30	22	26	27	31	24	31	326
Lauder	45°S	31	28	31	30	31	30	31	28	29	31	29	31	360
Kerguelen	49°S	20	28	31	30	31	30	31	31	30	31	29	31	353
Macquarie	55°S	31	28	31	30	1	30	31	31	29	31	30	31	334
Marambio	64°S	29	28	31	28	18	0	8	30	30	28	27	31	288
Dumont d'Urville	67°S	31	28	31	30	31	30	31	31	30	31	30	31	365
Rothera	68°S	29	26	29	27	27	20	29	28	29	28	29	29	330
Belgrano	78°S	0	9	23	19	Polar night			11	28	29	0	0	119
Arrival Heights	78°S	0	12	31	22				11	30	25	0	0	131

(FT)IR	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N			0	0	0	10	5	6	8	0			29
Kiruna	68°N		0	0	0	0	0	15	13	4	9	5		46
St Petersburg	60°N	0	0	0	0	0	0	7	13	11	0	0	0	31
Obrninsk (optional)	55°N	0	0	0	0	0	0	6	14	6	2	3	3	34
Zvenigorod (optional)	55°N	0	0	0	0	0	0	8	6	9	2	0	6	31
Bremen	53°N	0	0	0	0	0	0	0	1	8	1	1	4	15
Izaña	28°N	0	0	0	0	0	0	8	15	13	9	8	4	57
Lauder	45°S	13	17	21	12	13	11	16	10	15	12	13	11	164
Arrival Heights	78°S	8	5	3	0					9	10	6	8	49

M124	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Barentsburg	78°N			0	0	0	0	30	0	0	0			30
Tiksi	72°N			0	0	0	0	30	0	0	0			30
Murmansk	69°N		0	0	0	0	0	29	29	0	0	0		58
Igarka	67°N		0	0	0	0	0	0	21	0	0	0		21
Markovo	65°N	0	0	0	0	0	0	31	27	29	15	0	0	102
Petchora	65°N	0	0	0	0	0	0	31	30	30	25	0	0	116
Arhangelsk	65°N	0	0	0	0	0	0	29	25	23	21	0	0	98
Yakutsk	62°N	0	0	0	0	0	0	30	17	30	14	0	0	91
St Petersburg	60°N	0	0	0	0	0	0	30	30	25	28	0	0	113
Vitim	59°N	0	0	0	0	0	0	30	30	26	17	0	0	103
Ekaterinburg	57°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Krasnoyarsk	56°N	0	0	0	0	0	0	29	29	28	23	0	0	109
Moscow	56°N	0	0	0	0	0	0	31	31	26	0	0	0	88
Omsk	55°N	0	0	0	0	0	0	31	31	29	29	0	0	120
Samara	53°N	0	0	0	0	0	0	31	30	29	26	0	0	116
Irkutsk	52°N	0	0	0	0	0	0	30	31	28	26	0	0	115
Karaganda	50°N	0	0	0	0	0	0	30	31	30	21	0	0	112
Alma-Ata	43°N	0	0	0	0	0	0	0	0	0	0	0	0	0

Ozonesonde	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N	0	0	1	1	1	0	0	6	5	5	10	13	42
Keflavik	64°N	0	0	0	0	0	0	0	0	0	0	0	8	8
Jokioinen	61°N	0	0	0	0	0	0	0	0	3	5	0	3	11
De Bilt	52°N	0	0	0	0	3	4	4	6	7	6	4	3	37
Uccle	51°N	0	1	0	0	0	0	9	9	13	15	11	11	69
Hohenpeißenberg	48°N	13	11	13	11	9	8	10	8	8	8	12	11	122
Payerne	46°N	0	0	0	0	0	0	14	14	11	13	11	10	73
Paramaribo	6°N	0	0	0	0	0	4	5	4	4	5	3	3	28
Lauder	45°S	0	0	0	0	3	4	5	4	4	10	11	5	46
Marambio	64°S	0	0	0	0	0	0	1	6	6	8	8	7	36
Dumont d'Urville	67°S	0	0	0	0	0	0	4	4	6	6	3	2	25
Belgrano	78°S	0	0	1	1	1	3	3	3	4	5	2	2	25

MicroWave	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Summit	72°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiruna	68°N	-	-	-	-	-	-	-	-	-	-	3	30	33
Payerne	46°N	0	0	0	0	0	0	26	27	29	30	23	30	165
Lauder	45°S	0	0	0	0	0	0	31	27	22	16	21	24	141

B.3. Monthly Data Distribution for 2003

Brewer	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N		17	31	30	31	30	28	31	29	25	5		257
Jokioinen	61°N	6	25	28	29	29	25	31	28	30	30	16	3	280
De Bilt	52°N	31	28	31	30	31	30	31	31	30	31	29	31	364
Uccle	51°N	12	28	30	7	31	30	30	31	30	30	30	30	319
Arosa	46°N	21	23	27	25	28	28	27	28	27	22	24	23	303
Paramaribo	6°N	31	28	29	28	31	30	31	31	28	31	30	31	359

Dobson	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Uccle	51°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Arosa	46°N	22	22	28	26	31	30	27	29	23	22	21	22	303
Lauder	45°S	12	12	19	13	16	18	21	16	18	15	17	16	193
Vernadsky	65°S	31	28	31	30				31	30	31	30	31	273
Halley	76°S	31	27	31	16				7	30	31	30	31	234
Arrival Heights	78°S	0	0	0	0				0	0	0	-	-	0

UV-Vis	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N			0	27	31	29	31	30	30	23			201
Summit	72°N			0	0	0	0	0	31	22	31			84
Scoresbysund	70°N	8	26	29	27	27	27	30	27	30	31	21		283
Lovozero (optional)	69°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiruna	68°N	23	28	31	30	31	1	21	31	30	31	30	3	290
Sodankylä	67°N	31	21	31	30	31	30	31	31	30	31	30	31	358
Zhigansk	67°N	11	25	30	30	31	30	29	30	30	7	26	0	279
Salekhard	67°N	0	0	0	0	0	0	0	0	0	31	30	31	92
Harestua	60°N	31	28	27	27	31	26	31	31	30	31	30	30	353
St Petersburg	60°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Zvenigorod (optional)	55°N	0	0	0	19	23	21	27	30	29	30	20	15	214
Bremen	53°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Jungfraujoch	47°N	18	24	31	30	31	28	30	31	30	31	30	31	345
O.H.P.	44°N	31	28	31	30	31	30	31	31	30	24	30	25	352
Issyk-Kul (optional)	43°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Izaña	28°N	28	24	7	24	25	14	31	30	21	17	28	17	266
Mauna Loa	19°N	31	24	26	0	0	30	30	31	30	31	30	28	291
Nairobi	1°S	31	28	31	30	31	30	31	31	30	31	30	31	365
Saint Denis	21°S	31	28	31	30	31	30	30	31	27	20	30	31	350
Bauru	22°S	30	23	30	29	31	30	29	28	30	30	26	25	341
Lauder	45°S	29	24	31	30	30	30	31	29	30	31	30	31	356
Kerguelen	49°S	31	28	31	30	31	30	31	31	30	31	30	31	365
Macquarie	55°S	31	27	31	30	31	30	31	31	30	24	28	31	355
Marambio	64°S	31	28	31	24	31	20	24	28	29	31	30	31	338
Dumont d'Urville	67°S	31	28	31	30	31	30	31	30	30	31	30	31	364
Rothera	68°S	30	24	29	27	30		29	28	29	30	29	29	342
Belgrano	78°S	0	16	29	10				9	28	28	0	0	120
Arrival Heights	78°S	0	12	31	22				10	30	25	0	0	130

(FT)IR	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N			3	6	1	0	0	0	0	0			10
Kiruna	68°N	5	9	18	9	2	5	14	8	13	8	0		91
St Petersburg	60°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Obninsk (optional)	55°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Zvenigorod (optional)	55°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Bremen	53°N	1	5	3	3	1	1	0	0	0	0	0	0	14
Izaña	28°N	8	4	9	13	15	12	4	0	0	0	0	0	65
Lauder	45°S	15	18	19	17	13	11	14	14	14	15	16	16	182
Arrival Heights	78°S	10	6	8	2					6	10	14	10	66

[illegible]

Ozonesonde	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N	17	6	12	5	4	4	6	4	2	5	4	4	73
Keflavik	64°N	6	6	5	0	0	0	0	0	0	0	0	1	18
Jokioinen	61°N	6	3	7	0	0	0	0	0	0	0	0	0	16
De Bilt	52°N	5	4	4	6	2	4	5	4	4	4	4	5	51
Uccle	51°N	13	14	13	12	11	12	4	11	13	14	10	11	138
Hohenpeißenberg	48°N	11	10	12	11	8	5	9	8	9	9	11	13	116
Payerne	46°N	14	8	12	10	12	12	12	12	12	11	13	13	141
Paramaribo	6°N	6	3	5	4	5	4	5	5	4	4	3	2	50
Lauder	45°S	4	3	9	5	4	4	5	4	4	6	10	6	64
Marambio	64°S	2	2	2	1	2	9	13	13	10	9	7	6	76
Dumont d'Urville	67°S	2	1	1	2	4	8	8	5	0	0	0	0	31
Belgrano	78°S	1	1	3	2	2	4	11	12	9	8	4	1	58

[illegible]

B.4. Monthly Data Distribution for 2004

Brewer	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N		18	30	30	31	23	31	31	29	23	2		248
Jokioinen	61°N	3	26	30	30	30	27	30	29	29	31	16	0	281
De Bilt	52°N	30	29	31	30	31	30	31	30	30	31	30	30	363
Uccle	51°N	0	0	16	30	31	30	31	30	30	30	30	26	284
Arosa	46°N	22	26	26	23	26	24	26	25	23	28	23	24	296
Paramaribo	6°N	31	29	24	29	31	30	27	30	30	28	24	27	340

Dobson	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Uccle	51°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Arosa	46°N	21	24	20	25	24	22	28	25	24	29	22	23	287
Lauder	45°S	17	17	17	18	16	17	0	0	0	0	0	0	102
Vernadsky	65°S	31	29	31	30				31	30	31	30	31	274
Halley	76°S	31	26	29	15				4	30	31	30	31	227
Arrival Heights	78°S	-	-	0	0				0	0	0	0	0	0

UV-Vis	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N			31	29	31	30	31	31	30	25			238
Summit	72°N			27	29	15	0	0	8	30	31			140
Scoresbysund	70°N		0	16	30	31	30	25	28	30	27	18		235
Lovozero (optional)	69°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiruna	68°N	23	16	31	27	31	0	0	23	0	0	0	0	151
Sodankylä	67°N	22	29	25	30	31	29	31	31	30	31	30	0	319
Zhigansk	67°N	3	17	3	0	0	0	0	0	0	0	0	0	23
Salekhard	67°N	29	27	29	30	31	30	30	31	28	30	30	0	325
Harestua	60°N	29	29	31	28	31	30	27	28	30	29	29	29	350
St Petersburg	60°N	27	23	29	29	31	30	29	28	29	30	0	0	285
Zvenigorod (optional)	55°N	13	25	0	0	0	0	0	0	0	0	0	0	38
Bremen	53°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Jungfraujoch	47°N	17	29	31	25	27	25	12	10	25	31	22	29	283
O.H.P.	44°N	20	29	31	30	31	28	30	31	30	31	17	0	308
Issyk-Kul (optional)	43°N	31	28	30	27	31	30	30	31	26	30	0	0	294
Izaña	28°N	6	27	30	26	31	27	30	28	30	30	29	29	323
Mauna Loa	19°N	30	27	31	30	0	0	0	0	0	0	0	0	118
Mérida	8°N	-	-	-	-	15	28	-	-	-	6	24	4	77
Nairobi	1°S	29	28	30	30	30	28	26	30	21	23	27	0	302
Saint Denis	21°S	22	18	24	26	31	30	30	19	30	10	22	0	262
Bauru	22°S	14	27	28	27	29	27	31	31	28	28	12	0	282
Lauder	45°S	30	29	31	28	29	30	31	31	0	0	0	0	239
Kerguelen	49°S	15	28	31	30	31	30	30	30	30	31	30	0	316
Macquarie	55°S	24	29	30	30	31	30	31	0	0	0	0	0	205
Marambio	64°S	25	28	27	29	29	26	31	30	29	30	29	30	343
Dumont d'Urville	67°S	18	29	31	30	31	30	31	31	30	31	30	0	322
Rothera	68°S	29	28	28	28	29	27	31	31	30	30	30	30	351
Belgrano	78°S	0	15	30	23				0	0	0	0	0	68
Arrival Heights	78°S	0	0	0	0				0	0	0	0	0	0

(FT)IR	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Ny-Ålesund	79°N			0	0	0	0	0	0	0	0			0
Kiruna	68°N	2	10	8	10	14	3	0	0	0	0	0		47
St Petersburg	60°N	2	2	10	24	9	12	5	11	4	6	0	0	85
Obninsk (optional)	55°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Zvenigorod (optional)	55°N	1	6	11	12	10	8	4	15	4	4	0	0	75
Bremen	53°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Izaña	28°N	0	0	0	0	0	0	0	0	0	0	0	0	0
Lauder	45°S	15	15	8	19	6	10	9	12	9	6	8	9	126
Arrival Heights	78°S	5	3	8	1					7	14	12	10	60

[illegible]

Ozonesonde	Lat.	J	F	M	A	M	J	J	A	S	O	N	D	#
Sodankylä	67°N	3	2	5	4	4	5	3	4	5	4	4	6	49
Keflavik	64°N	1	3	3	0	0	0	0	0	0	0	0	0	7
Jokioinen	61°N	0	0	0	0	0	0	0	0	0	0	0	1	1
De Bilt	52°N	4	4	2	4	4	4	5	5	4	4	4	5	49
Uccle	51°N	11	12	14	12	11	12	11	10	13	12	10	11	139
Hohenpeißenberg	48°N	10	12	13	10	8	7	7	9	11	9	11	12	119
Payerne	46°N	13	9	13	13	13	13	12	13	13	11	13	11	147
Paramaribo	6°N	4	4	3	4	4	3	5	3	5	5	4	4	48
Lauder	45°S	4	5	5	4	4	5	3	3	4	3	1	2	43
Marambio	64°S	2	2	2	2	1	2	6	4	4	6	8	6	45
Dumont d'Urville	67°S	0	0	0	0	0	0	0	0	0	0	0	0	0
Belgrano	78°S	2	3	2	2	3	3	3	3	6	4	3	2	36

[illegible]

B.5. (Provisional) Monthly Data Distribution for 2005

[illegible][illegible][illegible]

[illegible][illegible][illegible][illegible]

C. HIGHLIGHTS AND PERSPECTIVES

C.1. Valorisation at meetings and symposia

Since the last report, results obtained by members of the consortium independently or in a concerted way were reported during the following meetings:

- 3rd UFTIR Progress Meeting, Brussels, Belgium (14 February 2005);
- SCIAMACHY Scientific Working Subgroup for Algorithm Development and Data Usage (SADDU), Oberpfaffenhofen, Germany (17 February 2005).

C.2. Publications and reports

Members of the TASTE consortium are completing several contributions to the SCIAMACHY Validation special issue of the Atmospheric Chemistry and Physics discussions (ACPD) and journal (ACP). The list of submitted contributions will be communicated in a future project report.

C.3. Perspectives

It is expected that activities related to the collection and submission of correlative data will continue on the same basis. Existing and new results will be reported to ESA and the relevant QWGs, and presented during upcoming scientific events. Among them, we may cite the EGU annual assembly in Vienna in late April 2005, ACVE-3 in late 2005, the next MIPAS IMK/IAA Data User Meeting in December 2005, and the next SCIAMACHY Validation Workshop (date and place to be determined).
