

**WORLD METEOROLOGICAL ORGANIZATION**

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**RA VI MEETING OF THE WORKING GROUP ON  
PLANNING AND IMPLEMENTATION  
OF WWW CO-ORDINATORS**

ITEM: 3.1

Offenbach, Germany, 13-17 October 2003

Original: ENGLISH

**STATUS OF THE WORLD WEATHER WATCH OPERATION**

**Availability of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports at MTN centres**

*(Submitted by the Secretariat)*

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**Summary and Purpose of the Document**

The document contains information on the availability at MTN centres of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports from the Regional Synoptic and Climatological Networks (RBSN/RBCN) in Region VI.

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**ACTION PROPOSED**

The meeting is invited to consider the status of the availability at MTN centres of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports from the Regional Synoptic and Climatological Networks (RBSN/RBCN) in Region VI. It is invited to develop appropriate recommendations to mitigate any deficiencies observed and enhance the relevant systems to meet regional and global needs.

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## DISCUSSION

1. A summary of the analysis of the results of the October 2002, January, April and July 2003 Special MTN Monitoring (SMM) is given in Figures 1 to 4 and in Tables 1 to 8. Further detailed information is available in the WMO server under <http://www.wmo.ch/web/www/ois/monitor/monitor-home.htm>. Table A is a condensed summary of the results.

*Table A*

Type of data	Reports received on average during the October 2002, January, April and July 2003 SMM	Reports expected to be prepared*
SYNOP	92%	99%
Part A of TEMP	74%	92%
CLIMAT	74%	79%
CLIMAT TEMP	67%	88%

Note: the percentages are calculated with the RBSN/RBCN as the reference

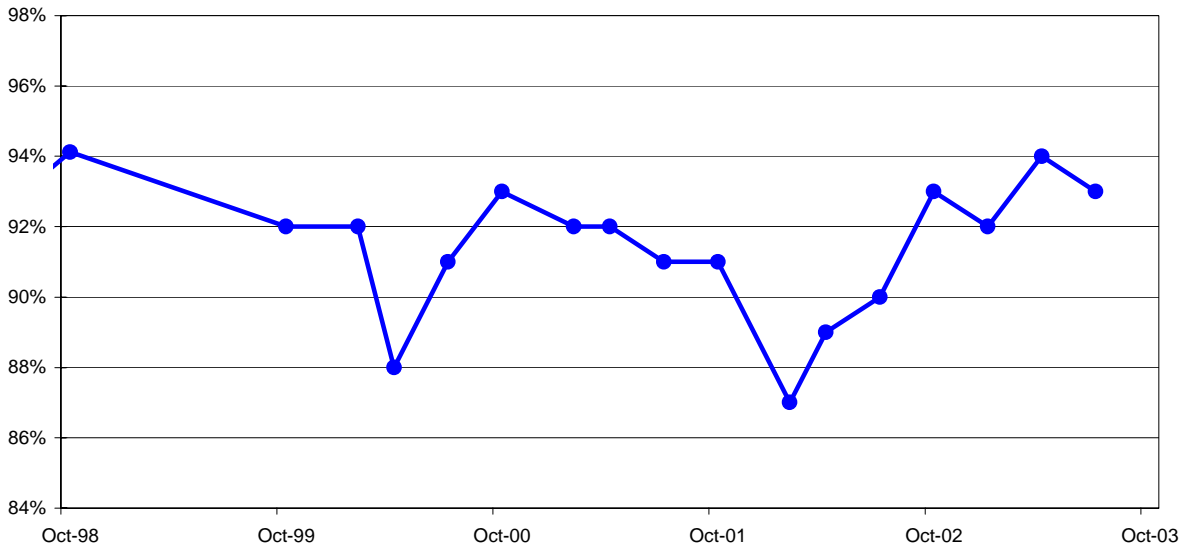
\* At stations implemented according to WMO-No. 9, Vol. A (July 2003).

2. The availability of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports from RBSN/RBCN stations in Region VI during the October 2002, January, April and July 2003 SMM exercises is not fully satisfactory. The following deficiencies were observed during the four monitoring periods:

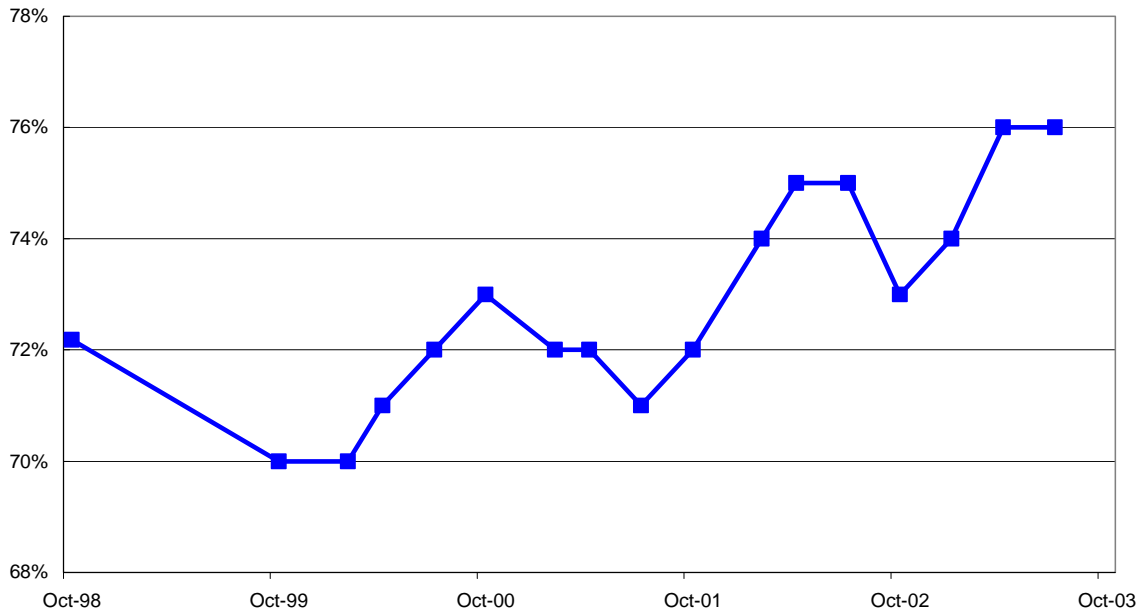
- Only 27 per cent and 64 per cent of the SYNOP reports were received from Azerbaijan and the Former Yugoslav Republic of Macedonia respectively (see Table 1). Ten stations were silent during the four SMM exercises (see Table 5).
- No TEMP reports were received from Lithuania and Slovenia. Less than 30 percent of the expected TEMP reports were received from Armenia and Latvia and less than 50 per cent from Belgium, Bulgaria, Cyprus, Jordan, Lebanon, Portugal, Romania, Serbia and Montenegro, the Former Yugoslav Republic of Macedonia and Ukraine (see Table 2). Seven stations were silent during the four SMM exercises (see Table 6).
- No CLIMAT reports were received from Azerbaijan, Estonia, Georgia, Italy and the Former Yugoslav Republic of Macedonia. Less than 30 per cent of the expected CLIMAT reports were received from Luxembourg and Syrian Arab Republic, and less than 50 per cent from Bosnia and Herzegovina, Bulgaria, Iceland, Kazakhstan, Republic of Moldova, Slovakia and Ukraine (see Table 3). 106 stations were silent during the four SMM exercises (see Table 7).
- No CLIMAT TEMP reports were received from Croatia, Denmark, Greece, Lebanon, Lithuania, Netherlands, the Former Yugoslav Republic of Macedonia and Ukraine. Less than 30 per cent of the expected CLIMAT TEMP reports were received from Greenland and Turkey, and less than 50 per cent from Finland, Poland and Romania (see Table 4). 19 stations were silent during the four SMM exercises (see Table 8).

3. Tables B and C show the total availability of SYNOP and TEMP reports from RBSN stations located in Region II from 1998 to 2003. The availability of SYNOP reports oscillated around the average of 91 per cent during the period 1998-2003. The availability of TEMP reports increased from 70 to 76 per cent during the period 1999-2003.

**Table B - Number of SYNOP reports received during the AGM and SMM exercises from the RBSN stations located in Region VI**



**Table C - Percentage of TEMP reports received during AGM and SMM exercises from the RBSN stations located in Region VI**



**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003

(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2003	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	

<b>Bracknell</b>							
Gibraltar	1	4 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	33	132 (100 %)	89 %	82 %	86 %	87 %	86 %
Iceland	10	39 (98 %)	97 %	99 %	98 %	97 %	98 %
Ireland	8	32 (100 %)	100 %	100 %	100 %	100 %	100 %
Netherlands	9	36 (100 %)	88 %	100 %	100 %	100 %	97 %
United Kingdom of Great Britain and Northern Ireland	32	128 (100 %)	94 %	97 %	97 %	96 %	96 %
Total:	93	371 (100 %)	92 %	92 %	94 %	94 %	93 %

<b>Moscow</b>							
Armenia	3	12 (100 %)	73 %	81 %	81 %	90 %	81 %
Azerbaijan	7	28 (100 %)	8 %	27 %	35 %	37 %	27 %
Belarus	10	40 (100 %)	100 %	100 %	100 %	100 %	100 %
Georgia	1	4 (100 %)	93 %	90 %	87 %	98 %	92 %
Republic of Moldova	1	4 (100 %)	72 %	98 %	100 %	100 %	93 %
Russian Federation (in Europe)	114	456 (100 %)	92 %	92 %	92 %	89 %	91 %
Ukraine	37	148 (100 %)	100 %	99 %	100 %	99 %	100 %
Total:	173	692 (100 %)	90 %	91 %	91 %	90 %	91 %

<b>No RTH responsible for these countries/ areas</b>							
Bosnia and Herzegovina	3	12 (100 %)	96 %	92 %	96 %	91 %	94 %
Kazakhstan (in Europe)	3	12 (100 %)	97 %	97 %	95 %	99 %	97 %
Luxembourg	1	4 (100 %)	100 %	97 %	100 %	98 %	99 %
Total:	7	28 (100 %)	97 %	95 %	96 %	95 %	96 %

<b>Norrkoping</b>							
Denmark and Faroe Islands	7	28 (100 %)	97 %	86 %	99 %	100 %	96 %

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs							Average over the four monitoring periods
	RBSNs	Volume A July 2003	Percentage of reports received with reference to the four RBSNs					
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003		
<b>Norrkoping</b>								
Estonia	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %	
Finland	22	88 (100 %)	100 %	100 %	100 %	99 %	100 %	
Latvia	6	24 (100 %)	83 %	82 %	83 %	85 %	83 %	
Lithuania	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %	
Norway	34	134 ( 99 %)	99 %	98 %	98 %	99 %	99 %	
Sweden	40	160 (100 %)	95 %	98 %	98 %	95 %	97 %	
Total:	123	490 (100 %)	97 %	97 %	98 %	97 %	97 %	
<b>Offenbach</b>								
Germany	27	108 (100 %)	100 %	100 %	100 %	100 %	100 %	
Israel	3	12 (100 %)	100 %	100 %	100 %	100 %	100 %	
Switzerland and Liechtenstein	7	28 (100 %)	91 %	97 %	98 %	98 %	96 %	
Total:	37	148 (100 %)	98 %	99 %	99 %	100 %	99 %	
<b>Prague</b>								
Czech Republic	7	28 (100 %)	86 %	100 %	100 %	100 %	97 %	
Hungary	7	28 (100 %)	81 %	100 %	100 %	100 %	95 %	
Poland	22	88 (100 %)	97 %	99 %	99 %	99 %	99 %	
Slovakia	4	16 (100 %)	100 %	100 %	100 %	100 %	100 %	
Total:	40	160 (100 %)	92 %	100 %	100 %	99 %	98 %	
<b>Rome</b>								
Greece	20	80 (100 %)	92 %	91 %	94 %	93 %	93 %	
Italy	48	167 ( 87 %)	48 %	60 %	88 %	87 %	71 %	
Lebanon	2	7 ( 88 %)	98 %	96 %	89 %	91 %	94 %	
Malta	1	4 (100 %)	90 %	100 %	92 %	100 %	96 %	
Turkey	58	232 (100 %)	100 %	98 %	97 %	94 %	97 %	
Total:	129	490 ( 95 %)	79 %	83 %	93 %	92 %	87 %	

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003

(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2003	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Sofia</b>							
Bulgaria	9	32 ( 89 %)	100 %	100 %	99 %	99 %	100 %
Cyprus	2	8 (100 %)	98 %	100 %	98 %	98 %	99 %
Jordan	4	16 (100 %)	98 %	91 %	90 %	79 %	90 %
Romania	23	92 (100 %)	83 %	83 %	83 %	83 %	83 %
Serbia and Montenegro	10	40 (100 %)	58 %	90 %	95 %	93 %	84 %
Syrian Arab Republic	9	36 (100 %)	89 %	74 %	89 %	88 %	85 %
The Former Yugoslav Republic of Macedonia	3	12 (100 %)	63 %	64 %	64 %	65 %	64 %
Total:	60	236 ( 98 %)	83 %	85 %	88 %	87 %	86 %
<b>Toulouse</b>							
Belgium	2	8 (100 %)	99 %	100 %	99 %	100 %	100 %
France	42	166 ( 99 %)	95 %	97 %	99 %	99 %	98 %
Portugal	16	64 (100 %)	100 %	98 %	100 %	92 %	98 %
Spain	32	126 ( 98 %)	84 %	88 %	89 %	90 %	88 %
Total:	92	364 ( 99 %)	92 %	94 %	96 %	95 %	94 %
<b>Vienna</b>							
Austria	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	7	28 (100 %)	70 %	99 %	90 %	97 %	89 %
Slovenia	2	8 (100 %)	98 %	93 %	98 %	100 %	97 %
Total:	16	64 (100 %)	87 %	98 %	95 %	99 %	95 %
<b>TOTAL REGION VI</b>							
Total Region VI:	770	3043 ( 99 %)	90 %	92 %	94 %	93 %	92 %

**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2003	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Bracknell</b>							
Gibraltar	1	2 (100 %)	97 %	97 %	97 %	100 %	98 %
Greenland	4	8 (100 %)	89 %	84 %	95 %	98 %	92 %
Iceland	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Ireland	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Netherlands	1	2 (100 %)	13 %	97 %	100 %	100 %	78 %
United Kingdom of Great Britain and Northern Ireland	7	12 ( 86 %)	62 %	70 %	69 %	71 %	68 %
Total:	15	28 ( 93 %)	74 %	82 %	84 %	86 %	82 %
<b>Moscow</b>							
Armenia	1	1 ( 50 %)	37 %	0 %	0 %	0 %	9 %
Russian Federation (in Europe)	24	45 ( 94 %)	58 %	64 %	74 %	70 %	67 %
Ukraine	8	16 (100 %)	50 %	51 %	51 %	49 %	50 %
Total:	33	62 ( 94 %)	55 %	59 %	66 %	63 %	61 %
<b>Norrkoping</b>							
Denmark and Faroe Islands	3	6 (100 %)	66 %	67 %	79 %	88 %	75 %
Estonia	1	1 ( 50 %)	50 %	50 %	50 %	50 %	50 %
Finland	3	6 (100 %)	67 %	67 %	67 %	67 %	67 %
Latvia	1	2 (100 %)	23 %	23 %	23 %	27 %	24 %
Lithuania	1	1 ( 50 %)	0 %	0 %	0 %	0 %	0 %
Norway	8	14 ( 88 %)	83 %	76 %	75 %	82 %	79 %
Sweden	4	8 (100 %)	96 %	64 %	73 %	73 %	77 %
Total:	21	38 ( 90 %)	72 %	64 %	67 %	71 %	69 %
<b>Offenbach</b>							
Germany	12	24 (100 %)	98 %	99 %	99 %	96 %	98 %
Israel	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %

**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2003	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Offenbach</b>							
Switzerland and Liechtenstein	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	14	28 (100 %)	98 %	99 %	99 %	97 %	98 %
<b>Prague</b>							
Czech Republic	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Hungary	2	3 ( 75 %)	55 %	73 %	55 %	57 %	60 %
Poland	3	6 (100 %)	80 %	100 %	99 %	94 %	93 %
Slovakia	1	2 (100 %)	100 %	100 %	100 %	97 %	99 %
Total:	7	13 ( 93 %)	79 %	92 %	87 %	85 %	86 %
<b>Rome</b>							
Greece	3	4 ( 67 %)	66 %	77 %	96 %	97 %	84 %
Italy	7	14 (100 %)	87 %	84 %	80 %	84 %	84 %
Lebanon	1	2 (100 %)	0 %	47 %	50 %	40 %	34 %
Turkey	7	14 (100 %)	100 %	100 %	99 %	100 %	100 %
Total:	18	34 ( 94 %)	84 %	87 %	89 %	90 %	88 %
<b>Sofia</b>							
Bulgaria	1	1 ( 50 %)	50 %	50 %	50 %	50 %	50 %
Cyprus	1	1 ( 50 %)	50 %	50 %	50 %	50 %	50 %
Jordan	1	1 ( 50 %)	43 %	50 %	43 %	47 %	46 %
Romania	3	4 ( 67 %)	32 %	33 %	33 %	32 %	33 %
Serbia and Montenegro	1	1 ( 50 %)	30 %	27 %	40 %	40 %	34 %
The Former Yugoslav Republic of Macedonia	1	0 ( 0 %)	43 %	47 %	0 %	50 %	35 %
Total:	8	8 ( 50 %)	39 %	40 %	35 %	42 %	39 %
<b>Toulouse</b>							
Belgium	2	4 (100 %)	50 %	48 %	42 %	48 %	47 %
France	7	14 (100 %)	100 %	97 %	94 %	99 %	98 %



**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

<i>Geographical Location</i>	<i>Calculation based on combining the four RBSNs</i>						
	<i>RBSNs</i>	<i>Volume A July 2003</i>	<i>Percentage of reports received with reference to the four RBSNs</i>				<i>Average over the four monitoring periods</i>
	<i>Number of stations</i>	<i>Number of observations implemented %</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	
<b>Toulouse</b>							
Portugal	2	4 (100 %)	93 %	30 %	23 %	43 %	47 %
Spain	6	12 (100 %)	96 %	76 %	79 %	81 %	83 %
Total:	17	34 (100 %)	92 %	76 %	74 %	80 %	81 %
<b>Vienna</b>							
Austria	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	1	2 (100 %)	100 %	97 %	97 %	100 %	99 %
Slovenia	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Total:	3	4 ( 67 %)	67 %	66 %	66 %	67 %	67 %
<b>TOTAL REGION VI</b>							
Total Region VI:	136	249 ( 92 %)	73 %	73 %	75 %	76 %	74 %

**Availability of CLIMAT reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2003	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Bracknell</b>							
Gibraltar	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	8	8 (100 %)	100 %	100 %	100 %	100 %	100 %
Iceland	5	2 ( 40 %)	40 %	40 %	40 %	0 %	30 %
Ireland	8	8 (100 %)	100 %	100 %	88 %	63 %	88 %
Netherlands	4	1 ( 25 %)	100 %	100 %	100 %	100 %	100 %
United Kingdom of Great Britain and Northern Ireland	21	14 ( 67 %)	100 %	100 %	100 %	100 %	100 %
Total:	47	34 ( 72 %)	94 %	94 %	91 %	83 %	91 %
<b>Moscow</b>							
Armenia	3	1 ( 33 %)	0 %	100 %	100 %	100 %	75 %
Azerbaijan	6	6 (100 %)	0 %	0 %	0 %	0 %	0 %
Belarus	12	12 (100 %)	100 %	100 %	100 %	100 %	100 %
Georgia	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Republic of Moldova	2	1 ( 50 %)	0 %	0 %	50 %	100 %	38 %
Russian Federation (in Europe)	15	15 (100 %)	100 %	93 %	100 %	100 %	98 %
Ukraine	30	27 ( 90 %)	47 %	47 %	47 %	47 %	47 %
Total:	69	63 ( 91 %)	59 %	62 %	65 %	67 %	63 %
<b>No RTH responsible for these countries/ areas</b>							
Bosnia and Herzegovina	6	3 ( 50 %)	0 %	0 %	67 %	67 %	34 %
Kazakhstan (in Europe)	2	2 (100 %)	50 %	50 %	50 %	50 %	50 %
Luxembourg	1	1 (100 %)	0 %	0 %	0 %	100 %	25 %
Total:	9	6 ( 67 %)	11 %	11 %	56 %	67 %	36 %
<b>Norrkoping</b>							
Denmark and Faroe Islands	4	4 (100 %)	100 %	100 %	100 %	100 %	100 %
Estonia	3	3 (100 %)	0 %	0 %	0 %	0 %	0 %



**Availability of CLIMAT reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2003	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Sofia</b>							
Bulgaria	4	2 ( 50 %)	25 %	25 %	25 %	75 %	38 %
Cyprus	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Jordan	4	4 (100 %)	25 %	25 %	100 %	100 %	63 %
Romania	14	11 ( 79 %)	100 %	93 %	100 %	100 %	98 %
Serbia and Montenegro	3	0 ( 0 %)	100 %	67 %	67 %	100 %	84 %
Syrian Arab Republic	7	7 (100 %)	0 %	0 %	0 %	86 %	22 %
The Former Yugoslav Republic of Macedonia	4	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Total:	37	25 ( 68 %)	54 %	49 %	59 %	84 %	62 %
<b>Toulouse</b>							
Belgium	1	1 (100 %)	0 %	100 %	100 %	100 %	75 %
France	42	40 ( 95 %)	100 %	100 %	100 %	100 %	100 %
Portugal	12	10 ( 83 %)	100 %	0 %	100 %	92 %	73 %
Spain	46	45 ( 98 %)	93 %	87 %	96 %	98 %	94 %
Total:	101	96 ( 95 %)	96 %	82 %	98 %	98 %	94 %
<b>Vienna</b>							
Austria	9	8 ( 89 %)	56 %	56 %	56 %	56 %	56 %
Croatia	2	2 (100 %)	50 %	100 %	100 %	100 %	88 %
Slovenia	1	1 (100 %)	100 %	100 %	100 %	0 %	75 %
Total:	12	11 ( 92 %)	58 %	67 %	67 %	58 %	63 %
<b>TOTAL REGION VI</b>							
Total Region VI:	520	412 ( 79 %)	70 %	72 %	76 %	77 %	74 %

**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2003	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Bracknell</b>							
Gibraltar	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	5	5 (100 %)	40 %	40 %	40 %	0 %	30 %
Iceland	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Ireland	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Netherlands	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
United Kingdom of Great Britain and Northern Ireland	2	2 (100 %)	100 %	50 %	100 %	100 %	88 %
Total:	11	11 (100 %)	64 %	55 %	64 %	45 %	57 %
<b>Moscow</b>							
Russian Federation (in Europe)	7	7 (100 %)	86 %	100 %	100 %	100 %	97 %
Ukraine	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Total:	8	8 (100 %)	75 %	88 %	88 %	88 %	85 %
<b>Norrkoping</b>							
Denmark and Faroe Islands	2	2 (100 %)	0 %	0 %	0 %	0 %	0 %
Finland	3	3 (100 %)	0 %	100 %	0 %	33 %	33 %
Latvia	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Lithuania	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Norway	6	5 ( 83 %)	100 %	83 %	100 %	100 %	96 %
Sweden	3	2 ( 67 %)	100 %	100 %	100 %	100 %	100 %
Total:	16	13 ( 81 %)	63 %	75 %	63 %	69 %	68 %
<b>Offenbach</b>							
Germany	9	9 (100 %)	100 %	100 %	100 %	100 %	100 %
Israel	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Switzerland and Liechtenstein	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	11	11 (100 %)	100 %	100 %	100 %	100 %	100 %

**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003

(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2003	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2002	January 2003	April 2003	July 2003	
<b>Prague</b>							
Czech Republic	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Hungary	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Poland	3	3 (100 %)	33 %	33 %	33 %	33 %	33 %
Slovakia	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	6	6 (100 %)	67 %	67 %	67 %	67 %	67 %
<b>Rome</b>							
Greece	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Italy	5	4 ( 80 %)	100 %	100 %	80 %	80 %	90 %
Lebanon	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Turkey	7	6 ( 86 %)	0 %	14 %	0 %	0 %	4 %
Total:	14	12 ( 86 %)	36 %	43 %	29 %	29 %	34 %
<b>Sofia</b>							
Bulgaria	1	1 (100 %)	100 %	100 %	0 %	100 %	75 %
Cyprus	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Jordan	1	1 (100 %)	100 %	0 %	100 %	100 %	75 %
Romania	3	3 (100 %)	33 %	33 %	33 %	33 %	33 %
Serbia and Montenegro	2	2 (100 %)	100 %	50 %	100 %	100 %	88 %
The Former Yugoslav Republic of Macedonia	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Total:	9	8 ( 89 %)	67 %	44 %	56 %	67 %	59 %
<b>Toulouse</b>							
Belgium	1	1 (100 %)	100 %	100 %	0 %	100 %	75 %
France	7	4 ( 57 %)	71 %	86 %	57 %	71 %	71 %
Portugal	2	1 ( 50 %)	100 %	100 %	50 %	100 %	88 %
Spain	6	5 ( 83 %)	83 %	83 %	83 %	83 %	83 %
Total:	16	11 ( 69 %)	81 %	88 %	63 %	81 %	78 %

**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2002, 1 to 15 January 2003, 1 to 15 April 2003 and 1 to 15 July 2003  
(Special MTN Monitoring)

<i>Geographical Location</i>	<i>Calculation based on combining the four RBCNs</i>						
	<i>RBCNs</i>	<i>Volume A July 2003</i>	<i>Percentage of reports received with reference to the four RBCNs</i>				<i>Average over the four monitoring periods</i>
	<i>Number of stations</i>	<i>Number of observations implemented %</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	
<b>Vienna</b>							
Austria	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Total:	2	2 (100 %)	50 %	50 %	50 %	50 %	50 %
<b>TOTAL REGION VI</b>							
Total Region VI:	93	82 ( 88 %)	68 %	70 %	63 %	67 %	67 %

## List of silent stations for SYNOP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Azerbaijan	37675 37749 37756 37864	37675 37749 37756 37864	37675 37749 37756	37675 37749 37756	37675 37749 37756
<b>Total:</b>	4	4	3	3	3
Croatia	14330 14370				
<b>Total:</b>	2	0	0	0	0
France	07168 07181	07181			
<b>Total:</b>	2	1	0	0	0
Greenland	04224	04202 04224 04351	04202 04224 04351	04202 04224 04351	04224
<b>Total:</b>	1	3	3	3	1
Italy	16021 16022 16033 16098 16138 16148 16168 16172 16232 16245 16253 16258 16263 16294 16344 16434 16450 16459	16148 16168 16172 16232 16245 16253 16258 16263 16294 16344 16434 16450 16459			



## List of silent stations for SYNOP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Italy	16531 16546	16531 16546			
<b>Total:</b>	20	15	0	0	0
Latvia	26346	26346	26346		
<b>Total:</b>	1	1	1	0	0
Netherlands	06375				
<b>Total:</b>	1	0	0	0	0
Romania	15015 15170 15230 15335	15170 15230 15335		15015 15170 15230 15335	
<b>Total:</b>	4	3	1	4	1
Russian Federation (in Europe)	22695 27208 34866 37031 37061	22695 27208 34866 37031	22695 27208 34363 34866 37031	22522 22695 27208 34363 34866 37031	22695 27208 34866 37031
<b>Total:</b>	5	4	5	6	4
Spain	08075 08171 08231				
<b>Total:</b>	3	0	0	0	0
Sweden	02151				
<b>Total:</b>	1	0	0	0	0
The Former Yugoslav Republic of Macedonia					

**List of silent stations for SYNOP in RA VI**

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2002</b>	<b>January 2003</b>	<b>April 2003</b>	<b>July 2003</b>	<b>All periods</b>
The Former Yugoslav Republic of Macedonia  <b>Total:</b>	13585 1	13585 1	13585 1	13585 1	13585 1
United Kingdom of Great Britain and Northern Ireland  <b>Total:</b>	03796 1	0 0	0 0	03114 1	0 0
<b>Total RA VI:</b>	46	32	14	18	10

## List of silent stations for TEMP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Armenia				37789	
<b>Total:</b>	0	0	0	1	0
Belgium	06476	06476	06476	06476	06476
<b>Total:</b>	1	1	1	1	1
Denmark and Faroe Islands	04202				
<b>Total:</b>	1	0	0	0	0
Finland	02935	02935	02935	02935	02935
<b>Total:</b>	1	1	1	1	1
Lebanon	40100				
<b>Total:</b>	1	0	0	0	0
Lithuania	26629	26629	26629	26629	26629
<b>Total:</b>	1	1	1	1	1
Portugal			08579		
<b>Total:</b>	0	0	1	0	0
Romania	15120	15120	15120	15120	15120
	15480	15480	15480	15480	15480
<b>Total:</b>	2	2	2	2	2
Russian Federation (in Europe)		27595			
		34247		34247	
<b>Total:</b>	0	2	0	1	0
Slovenia	14015	14015	14015	14015	14015

**List of silent stations for TEMP in RA VI**

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Slovenia <b>Total:</b>	1	1	1	1	1
Spain <b>Total:</b>	0	08301 1	08301 1	08301 1	0
The Former Yugoslav Republic of Macedonia <b>Total:</b>	0	0	13586 1	0	0
United Kingdom of Great Britain and Northern Ireland <b>Total:</b>	03920 1	03026 03920 2	03026 03920 2	03026 03920 2	03920 1
<b>Total RA VI:</b>	9	11	11	11	7

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Armenia	37682 37717 37789				
<b>Total:</b>	3	0	0	0	0
Austria	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155
<b>Total:</b>	4	4	4	4	4
Azerbaijan	37661 37735 37747 37860 37936 37989	37661 37735 37747 37860 37936 37989	37661 37735 37747 37860 37936 37989	37661 37735 37747 37860 37936 37989	37661 37735 37747 37860 37936 37989
<b>Total:</b>	6	6	6	6	6
Belgium	06447				
<b>Total:</b>	1	0	0	0	0
Bosnia and Herzegovina	14542 14562 14648 14652 14654 14656	14542  14648 14652 14654 14656	    14656	14562   14656	    14656
<b>Total:</b>	6	5	1	2	1
Bulgaria	15502 15552 15730	15502 15552 15730	15502 15552 15730	15502	15502
<b>Total:</b>	3	3	3	1	1

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Croatia	14445				
<b>Total:</b>	1	0	0	0	0
Estonia	26038	26038	26038	26038	26038
	26214	26214	26214	26214	26214
	26242	26242	26242	26242	26242
<b>Total:</b>	3	3	3	3	3
Georgia	37549	37549	37549	37549	37549
<b>Total:</b>	1	1	1	1	1
Germany	10091				
	10131				
	10170				
	10235		10235	10235	
	10253	10253	10253	10253	10253
	10280	10280	10280	10280	10280
	10317	10317	10317	10317	10317
	10427				
	10430				
	10438	10438	10438	10438	10438
	10526				
	10554				
	10578				
	10655				
	10708				
	10724				
	10742				
	10791				
	10838				
	10870				
	10895				
	10908				
	10961				
	10962				
	10980				

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Germany <b>Total:</b>	25	4	5	5	4
Greece <b>Total:</b>	0	0	16719 1	0	0
Hungary <b>Total:</b>	12772 12822 2	12772 12822 2	12772 12822 2	12772 12822 2	12772 12822 2
Iceland <b>Total:</b>	04013 04048 04097 3	04013 04048 04097 3	04013 04048 04097 3	04013 04018 04048 04063 04097 5	04013 04048 04097 3
Ireland <b>Total:</b>	0	0	03962 1	03953 03969 03973 3	0
Italy	16008 16033 16045 16052 16064 16090 16098 16110 16134 16148 16153 16158	16008 16033 16045 16052 16064 16090 16098 16110 16134 16148 16153 16158	16008 16033 16045 16052 16064 16090 16098 16110 16134 16148 16153 16158	16008 16033 16045 16052 16064 16090 16098 16110 16134 16148 16153 16158	16008 16033 16045 16052 16064 16090 16098 16110 16134 16148 16153 16158

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Italy	16206 16219 16232 16245 16252 16253 16310 16325 16344 16360 16420 16429 16450 16459 16480 16522 16546 16550	16206 16219 16232 16245 16252 16253 16310 16325 16344 16360 16420 16429 16450 16459 16480 16522 16546 16550	16206 16219 16232 16245 16252 16253 16310 16325 16344 16360 16420 16429 16450 16459 16480 16522 16546 16550	16206 16219 16232 16245 16252 16253 16310 16325 16344 16360 16420 16429 16450 16459 16480 16522 16546 16550	16206 16219 16232 16245 16252 16253 16310 16325 16344 16360 16420 16429 16450 16459 16480 16522 16546 16550
<b>Total:</b>	30	30	30	30	30
Jordan	40265 40296 40310	40265 40296 40310			
<b>Total:</b>	3	3	0	0	0
Kazakhstan (in Europe)	34691	34691	34691	34691	34691
<b>Total:</b>	1	1	1	1	1
Latvia			26314 26406	26314 26406 26544	
<b>Total:</b>	0	0	2	3	0
Luxembourg	06590	06590	06590		
<b>Total:</b>	1	1	1	0	0



## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Poland	12295				
<b>Total:</b>	1	0	0	0	0
Portugal		08501 08506 08509 08513 08515 08535 08546 08548 08554 08558 08570 08575		08513	
<b>Total:</b>	0	12	0	1	0
Republic of Moldova	33815 33883	33815 33883	33883		
<b>Total:</b>	2	2	1	0	0
Romania		15420			
<b>Total:</b>	0	1	0	0	0
Russian Federation (in Europe)		22602			
<b>Total:</b>	0	1	0	0	0
Slovakia	11826 11858 11968	11826 11858 11968	11826 11858 11968	11826 11858 11968	11826 11858 11968
<b>Total:</b>	3	3	3	3	3
Slovenia					

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Slovenia				14015	
<b>Total:</b>	0	0	0	1	0
Spain				08175	
	08231	08231			
	08286	08286			
		08360			
	08383	08383			
		08391	08391		
<b>Total:</b>	3	5	1	1	0
Sweden			02366		
	02435	02435	02435	02435	02435
	02452	02452	02452	02452	02452
	02500	02500	02500	02500	02500
<b>Total:</b>	3	3	4	3	3
Syrian Arab Republic					
	40001	40001	40001		
	40007	40007	40007		
	40022	40022	40022		
	40030	40030	40030		
	40045	40045	40045		
	40061	40061	40061		
	40080	40080	40080	40080	40080
<b>Total:</b>	7	7	7	1	1
The Former Yugoslav Republic of Macedonia					
	13577	13577	13577	13577	13577
	13585	13585	13585	13585	13585
	13588	13588	13588	13588	13588
	13591	13591	13591	13591	13591
<b>Total:</b>	4	4	4	4	4
Turkey					
	17026	17026	17026	17026	17026

## List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Turkey			17040		
	17045	17045	17045	17045	17045
	17056	17056	17056	17056	17056
	17069	17069	17069	17069	17069
	17070	17070	17070	17070	17070
	17080	17080	17080	17080	17080
	17086	17086	17086	17086	17086
	17088	17088	17088	17088	17088
	17099	17099	17099	17099	17099
	17140	17140	17140	17140	17140
	17155	17155	17155	17155	17155
	17160	17160	17160	17160	17160
				17170	
	17193	17193	17193	17193	17193
	17202	17202	17202	17202	17202
	17203	17203	17203	17203	17203
	17204	17204	17204	17204	17204
	17234	17234	17234	17234	17234
	17237	17237	17237	17237	17237
	17260	17260	17260	17260	17260
	17265	17265	17265	17265	17265
	17282	17282	17282	17282	17282
	17370	17370	17370	17370	17370
	17375	17375	17375	17375	17375
<b>Total:</b>	23	23	24	24	23
Ukraine					
	33213	33213	33213	33213	33213
	33275	33275	33275	33275	33275
	33301	33301	33301	33301	33301
	33377	33377	33377	33377	33377
	33415	33415	33415	33415	33415
	33429	33429	33429	33429	33429
	33526	33526	33526	33526	33526
	33711	33711	33711	33711	33711
	33777	33777	33777	33777	33777
	33791	33791	33791	33791	33791
	33902	33902	33902	33902	33902
	33998	33998	33998	33998	33998

**List of silent stations for CLIMAT in RA VI**

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2002</b>	<b>January 2003</b>	<b>April 2003</b>	<b>July 2003</b>	<b>All periods</b>
Ukraine	34415	34415	34415	34415	34415
	34523	34523	34523	34523	34523
	34607	34607	34607	34607	34607
	34712	34712	34712	34712	34712
<b>Total:</b>	16	16	16	16	16
<b>Total RA VI:</b>	155	143	124	120	106

## List of silent stations for CLIMAT TEMP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Belgium			06447		
<b>Total:</b>	0	0	1	0	0
Bulgaria			15614		
<b>Total:</b>	0	0	1	0	0
Croatia	14240	14240	14240	14240	14240
<b>Total:</b>	1	1	1	1	1
Denmark and Faroe Islands	06011 06181	06011 06181	06011 06181	06011 06181	06011 06181
<b>Total:</b>	2	2	2	2	2
Finland	02836 02935 02963		02836 02935 02963	02836 02935	
<b>Total:</b>	3	0	3	2	0
France	07110 07481	07110	07110 07180 07645	07110 07481	07110
<b>Total:</b>	2	1	3	2	1
Greece	16754	16754	16754	16754	16754
<b>Total:</b>	1	1	1	1	1
Greenland					

List of silent stations for CLIMAT TEMP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

Country	October 2002	January 2003	April 2003	July 2003	All periods
Greenland	04270	04270 04320	04270	04220 04270 04320	04270
	04339	04339	04339	04339	04339
	04360		04360	04360	
<b>Total:</b>	3	3	3	5	2
Italy			16429	16429	
<b>Total:</b>	0	0	1	1	0
Jordan		40265			
<b>Total:</b>	0	1	0	0	0
Lebanon	40100	40100	40100	40100	40100
<b>Total:</b>	1	1	1	1	1
Lithuania	26629	26629	26629	26629	26629
<b>Total:</b>	1	1	1	1	1
Netherlands	06260	06260	06260	06260	06260
<b>Total:</b>	1	1	1	1	1
Norway		01241			
<b>Total:</b>	0	1	0	0	0
Poland	12120 12374	12374 12425	12374 12425	12120 12425	

List of silent stations for CLIMAT TEMP in RA VI

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<i>Country</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>July 2003</i>	<i>All periods</i>
Poland <b>Total:</b>	2	2	2	2	0
Portugal <b>Total:</b>	0	0	08579 1	0	0
Romania <b>Total:</b>	15120 15480 2	15120 15480 2	15120 15480 2	15120 15480 2	15120 15480 2
Russian Federation (in Europe) <b>Total:</b>	34731 1	0	0	0	0
Serbia and Montenegro <b>Total:</b>	0	13275 1	0	0	0
Spain <b>Total:</b>	0	08221 1	08301 1	08301 1	0
The Former Yugoslav Republic of Macedonia <b>Total:</b>	13586 1	13586 1	13586 1	13586 1	13586 1
Turkey	17062 17130 17220	17030 17062 17130 17220	17030 17062 17130 17220	17030 17062 17130 17220	17062 17130 17220

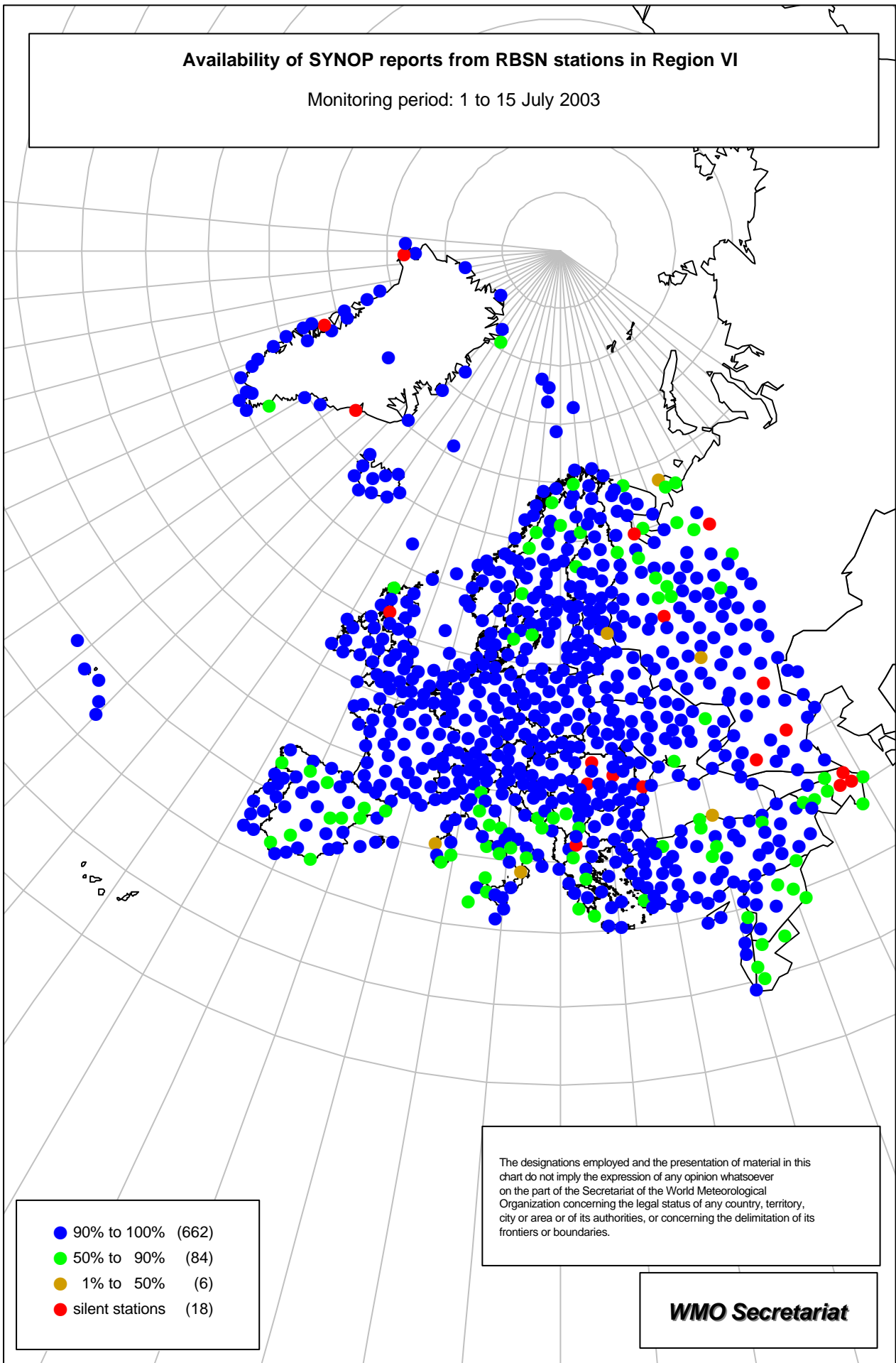
**List of silent stations for CLIMAT TEMP in RA VI**

Monitoring period: 1-15 October 2002, 1-15 January 2003, 1-15 April 2003 and 1-15 July 2003  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2002</b>	<b>January 2003</b>	<b>April 2003</b>	<b>July 2003</b>	<b>All periods</b>
Turkey	17240 17280 17351	17280 17351	17240 17280 17351	17240 17280 17351	17280 17351
<b>Total:</b>	6	6	7	7	5
Ukraine	33345	33345	33345	33345	33345
<b>Total:</b>	1	1	1	1	1
United Kingdom of Great Britain and Northern Ireland		03808			
<b>Total:</b>	0	1	0	0	0
<b>Total RA VI:</b>	28	28	34	31	19

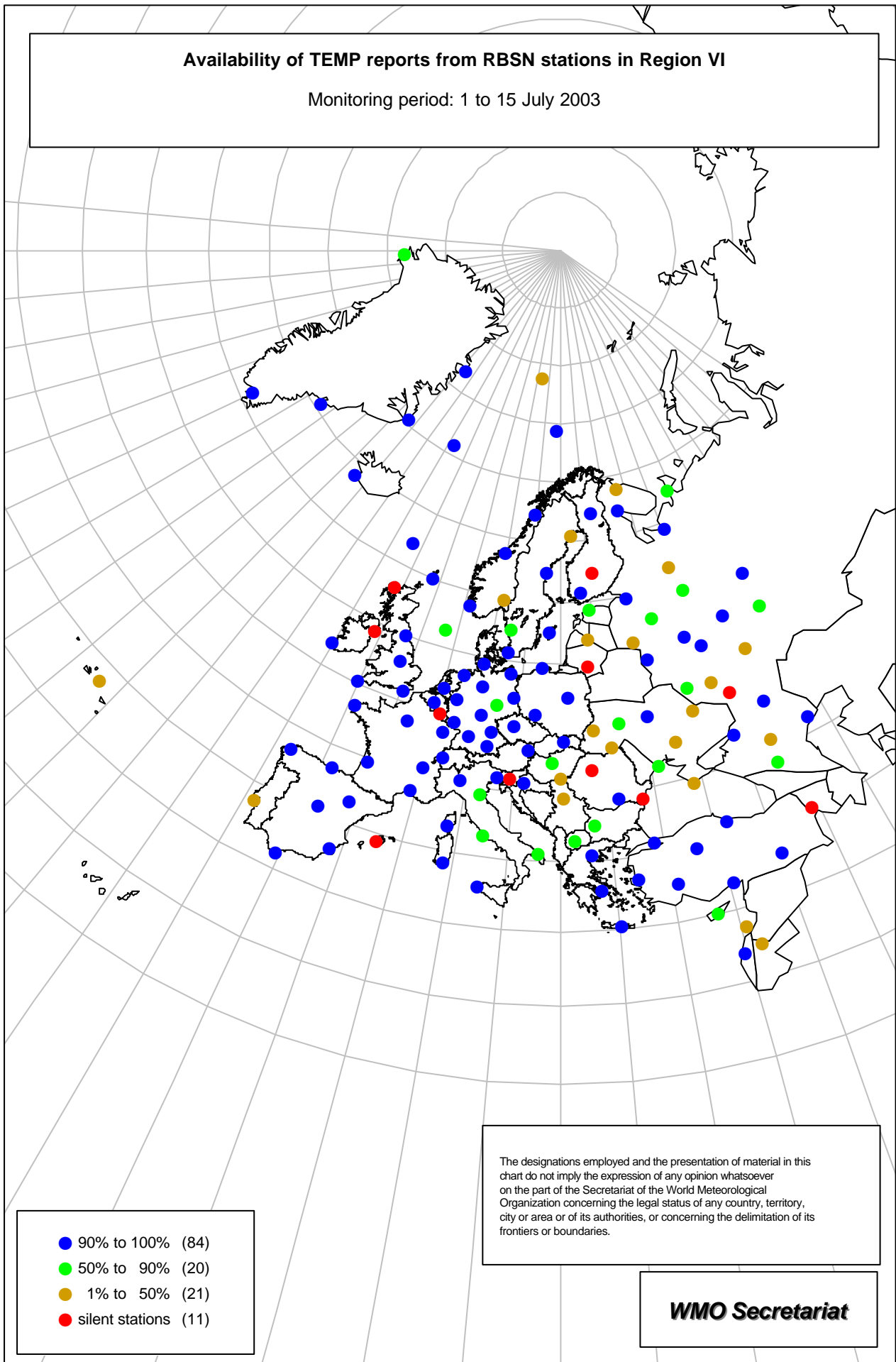


Figure 1



(percentage of reports based on main synoptic hours)

Figure 2



(percentage of reports based on 0000 and 1200 UTC)

Figure 3

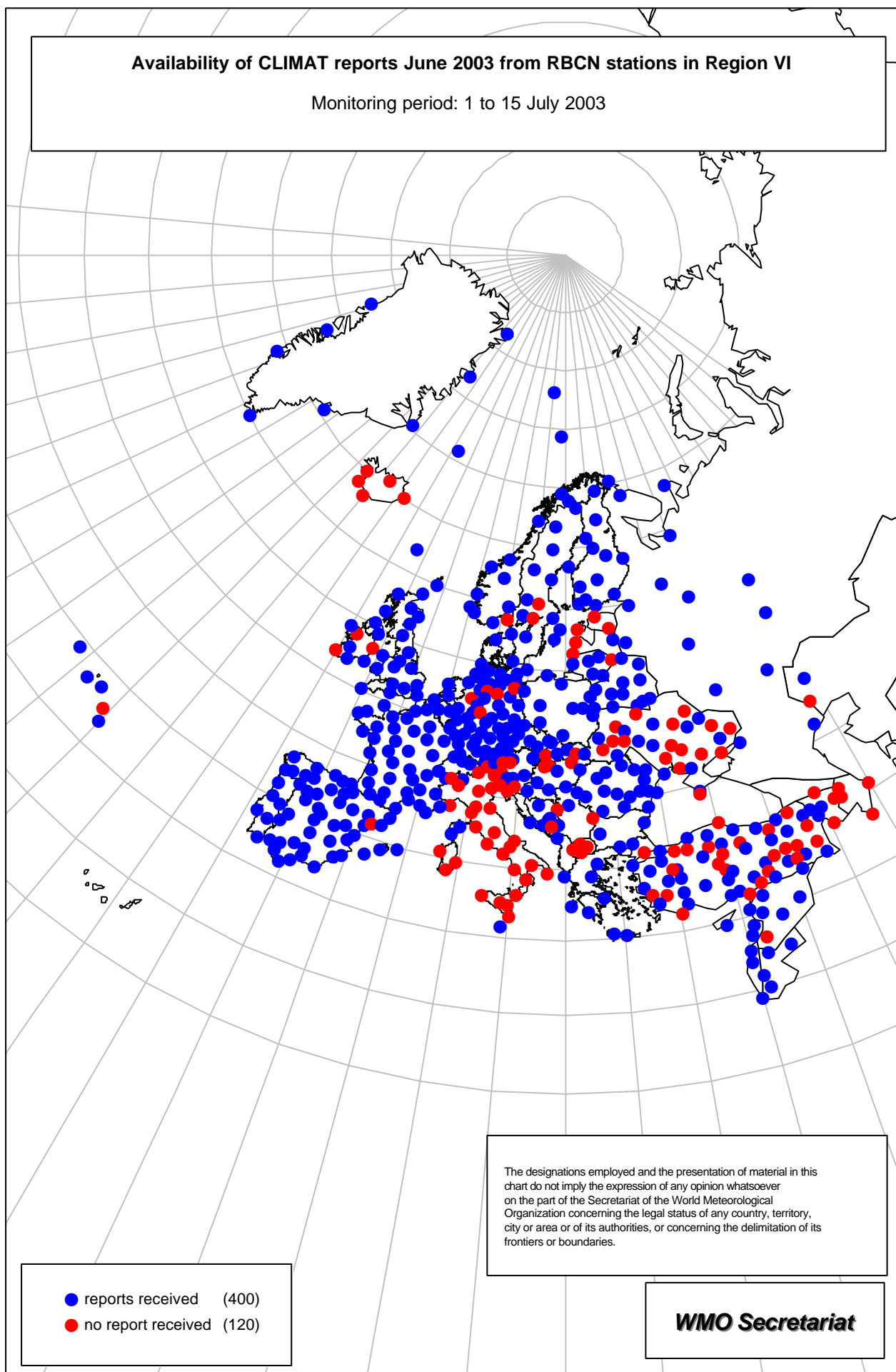


Figure 4

