

## Appendix A

### Results of the Annual Global Monitoring (AGM) of the operation of the WWW

1. The monitoring results compiled by the WMO Secretariat are presented in sections A to H as follows:

(a) Part I of Section A includes information on the availability of SYNOP reports, Parts A of TEMP reports and Parts A of PILOT reports at MTN centres at the global level for the full monitoring period (1-15 October); in Tables 1 to 3, the numbers of reports received at MTN centres are compared to the numbers of reports expected from stations included in the Regional Basic Synoptic Networks (RBSNs); in Tables 4 and 5, the availability of data at MTN centres is given for the last four global monitoring exercises. The numbers of stations comprising the RBSNs in comparisons with previous years are given in Tables 6 and 7

(b) Sections B and C include monitoring results detailed at the regional level for:

(i) SYNOP reports (section B),

(ii) Part A of TEMP reports (section C),

The format of presentation used is format 1 (see paragraph 2 below).

(c) Section D includes an analysis of the monitoring results with reference to the observing programmes given in Volume A of WMO Publication No.9. It points out the non-reception of expected data from so-called "silent" stations and the reception of unexpected data at WWW centres; this information should in particular assist WWW centres in reviewing the content of Volume A and sending appropriate amendments to the WMO Secretariat; Section D contains two Parts:

(i) the list of "silent" stations is given in Part 1; when considering the observational data expected from the stations in accordance with the observing programmes given in Volume A of WMO Publication No. 9, these "silent" stations are those stations from which the responsible NMC, the associated RTH and several MTN centres have not received any report;

(ii) centres reported the reception of observational data which was not expected according to the observing programmes given in Volume A of WMO Publication No. 9; Part 2 includes the list of stations from which unexpected observational data were received by the responsible NMC, the associated RTH and/or several MTN centres.

The lists of stations are presented as tables with two columns; for each type of data (SYNOP reports and Parts A of TEMP reports), the location of the station (i.e. country or area by which the stations are grouped in Volume A) is given in column (a) and the index number of the stations in column (b).

(d) Information relating to the implementation of monitoring procedures at centres is compiled in Section E. The monitoring centres are given in column (a) and the columns 1 to 11 correspond to the columns 1 to 11 of the format J of Table D of Attachment I.5 of Manual on the GTS.

- (e) Sections F and G give the following information by blocks of 5 degrees by 5 degrees for SYNOP and TEMP reports respectively:
  - (i) Numbers of stations comprising the RBSN in the Region and mentioned in Volume A; see pages 1 of sections F and G
  - (ii) Reports made as indicated in Volume A (percentages calculated with reference to reports required from RBSN stations); see pages 2 of sections F and G;
  - (iii) Reports received daily at MTN centres from RBSN stations during the monitoring period (percentages calculated with reference to reports required from RBSN stations); see page 3 of section F for SYNOP reports and page 3 of section G for parts A of TEMP reports;
  - (iv) Differences between the percentages of reports received daily at MTN centres from RBSN stations during the 2002 monitoring period, and the 2000 and 2001 monitoring periods (percentages calculated with reference to reports required from stations included in RBSNs both in 2000 and 2002, and in 2001 and 2002 respectively); see pages 4 and 5 of section F for SYNOP reports, and pages 4 and 5 of section G for Parts A of TEMP reports.
- (f) The percentages of SYNOP reports and parts A of TEMP reports received from each station are given in section H. The percentages are calculated with reference to reports required from RBSN stations.

2. Format 1: availability of data issued from a country or other area at the responsible NMC, the associated RTH and/or several MTN centres

2.1 Format 1 is used to present the monitoring results with the aim of comparing the availability of data issued from a country or other area at the responsible NMC, the associated RTH and/or several MTN centres. The countries or areas are grouped by zones of responsibilities of RTHs. In addition, totals are presented for each zone of responsibility for the RTH concerned and/or MTN centres as well as at the regional level for these MTN centres.

2.2 If the monitoring periods were not identical for all centres, the period of reference corresponds to the period for which most of centres provided monitoring results. If a centre provided monitoring results only for another period, the monitoring results for this period are nevertheless presented.

2.3 The monitoring results are presented in columns as follows (all percentages are calculated with the RBSN as the reference):

- (a) Column (a): location, i.e. country or area by which the stations are grouped in Volume A;
- (b) Column (b): number of stations included in the RBSN;
- (c) Column (c): number of days for which monitoring results are shown in the same line for the responsible NMC, the associated RTH and the MTN centre responsible for inserting the data into the MTN respectively;

- (d) Column (d): percentage of stations monitored by the responsible NMC, the associated RTH and the MTN centre responsible for inserting the data into the MTN respectively;
- (e) Columns (e) to (l), for each standard time and/or in total according to the type of data:
  - (i) percentage of reports to be prepared at stations implemented in accordance with the information included in Volume A as updated before the monitoring period (column Impl.);
  - (ii) percentage of reports received at the responsible NMC, the associated RTH and several MTN centres as a whole.

**Summary of the results of the annual global monitoring of the operation of the WWW carried out from 1 to 15 October 2002**

*Terminology used in the Tables:*

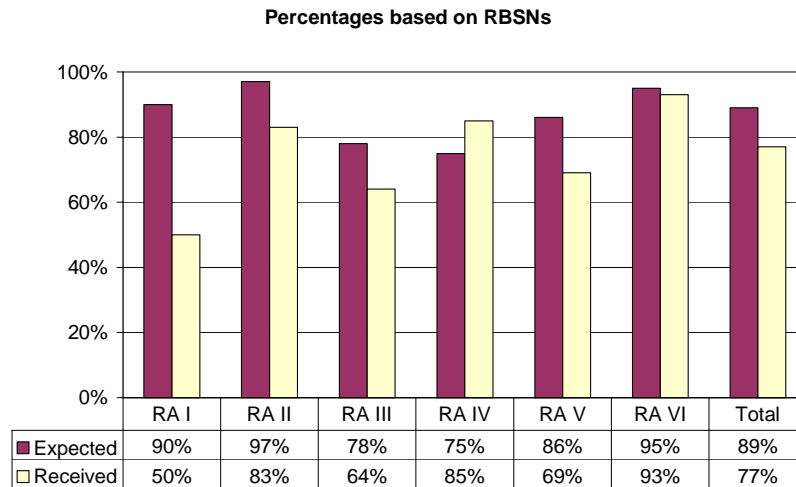
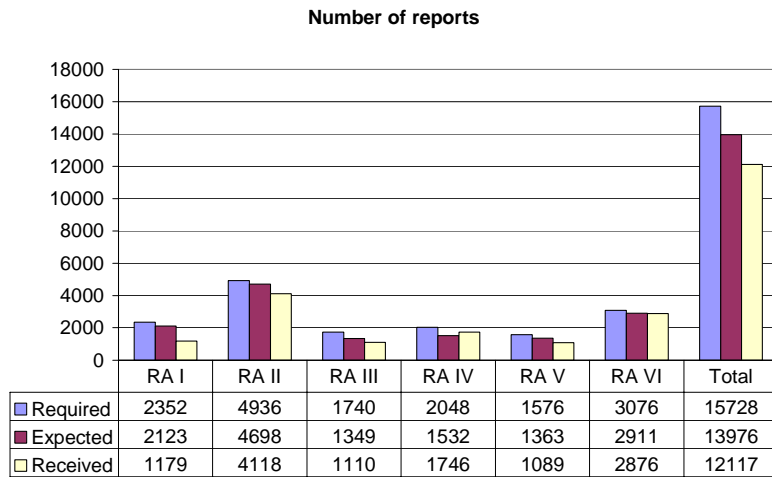
*Required:* Number of reports required daily from RBSN stations for global exchange (four observations a day for SYNOP reports and two observations a day for TEMP and PILOT reports)

*Expected:* Number of reports expected daily from RBSN stations as committed to by Members, according to WMO Publication No. 9, Volume A

*Received:* Average number of reports received daily on the Main Telecommunication Network (MTN) of the GTS

**1. Availability of SYNOP and parts A of TEMP reports at MTN centres in comparison with the requirements**

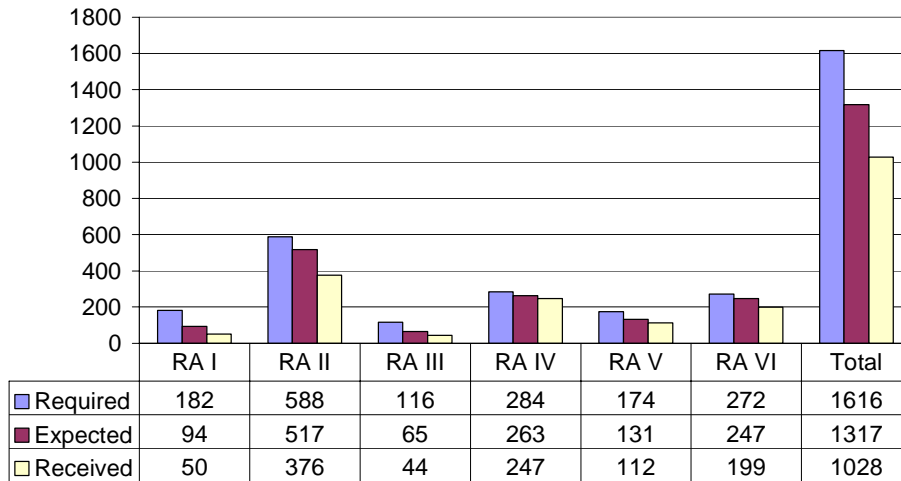
*Table 1 - SYNOP reports (Observation times: 00, 06, 12 and 18 UTC)*



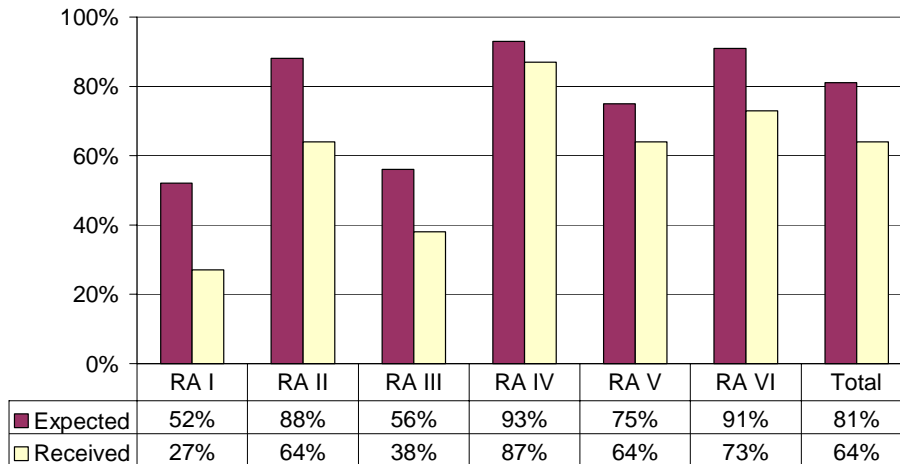
Section A, Part I, p. 2

Table 2 - Parts A of TEMP reports  
(Observation times: 00 and 12 UTC)

Number of reports



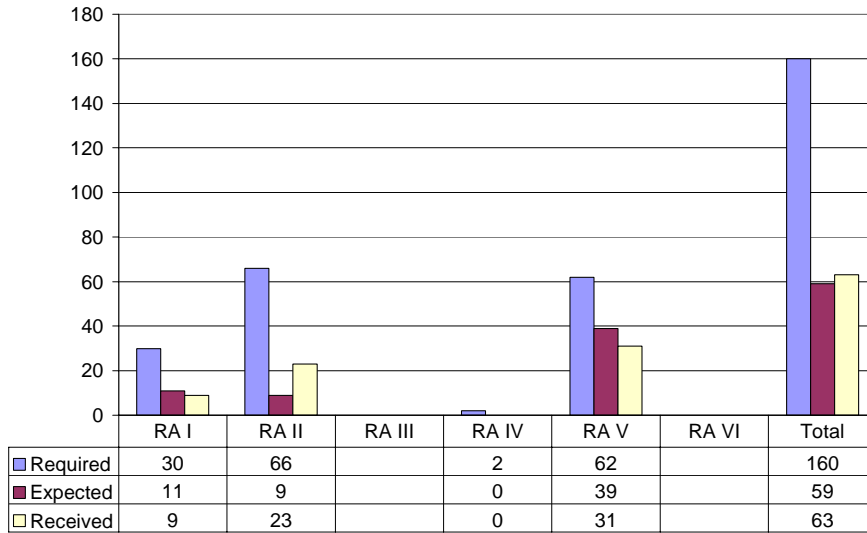
Percentages based on RBSNs



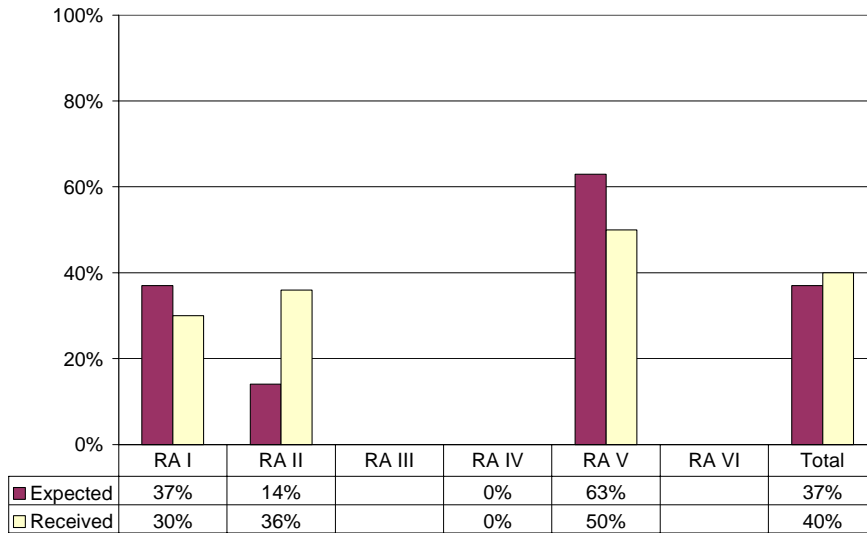
Section A, Part I, p. 3

Table 3 - Parts A of PILOT reports  
(Observation times: 00 and 12 UTC)

Number of reports



Percentages based on RBSNs



2. Availability of SYNOP reports and parts A of TEMP reports at MTN centres in comparison with previous years

Table 4 - SYNOP reports

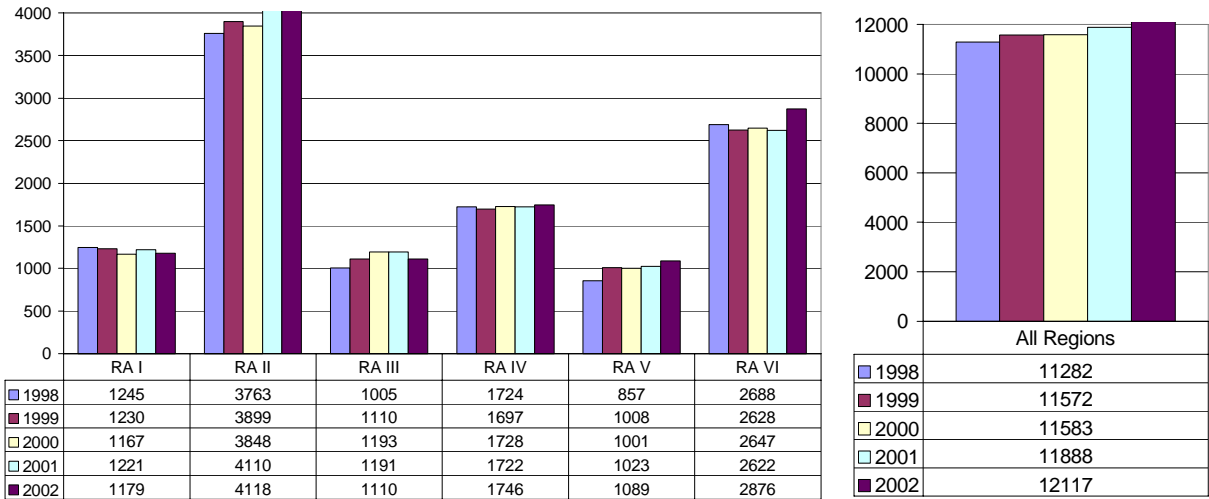
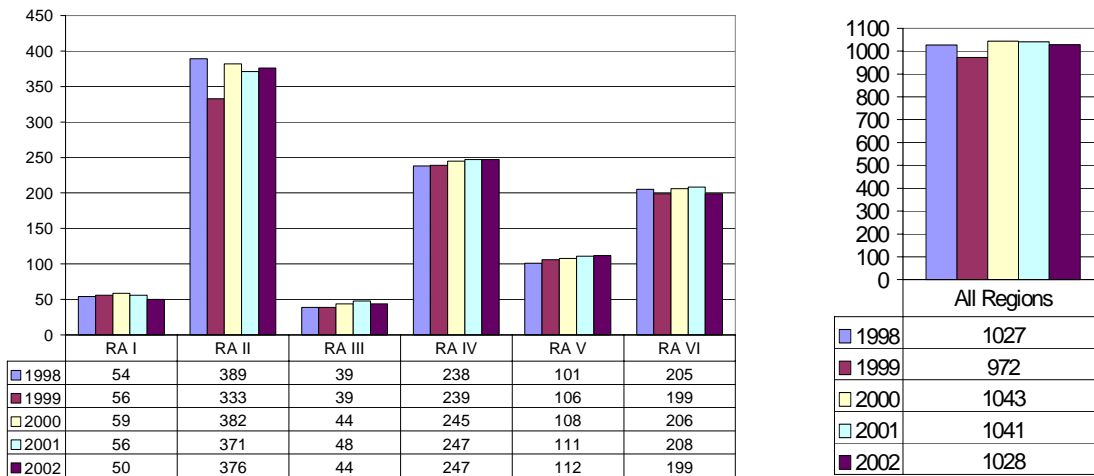


Table 5 - Parts A of TEMP reports



3. Number of stations comprising the RBSNs in comparison with the previous years

Table 6 - Surface stations

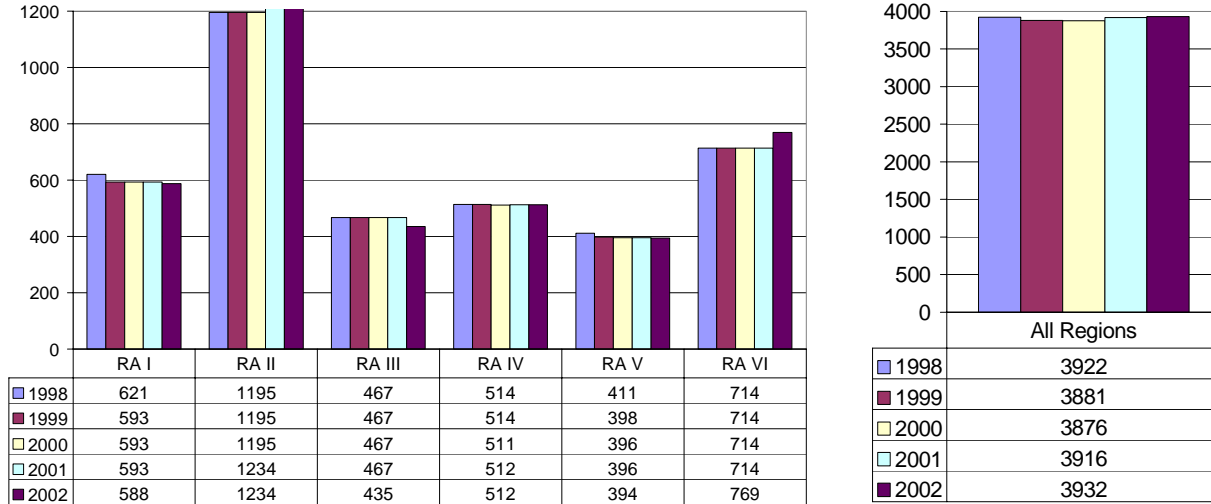
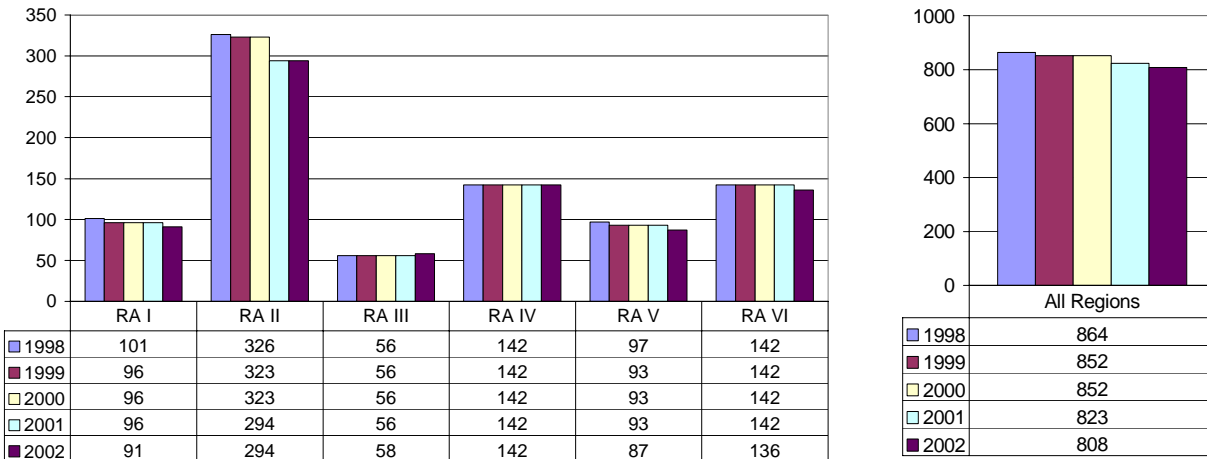


Table 7 - Upper air stations (TEMP reports)





## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

Availability of SYNOP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days) NMC RTH MTN	(d) Stations monitored (%) NMC RTH MTN	Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 6 hours of the observation time)																			
				(e) 0000 UTC				(f) 0600 UTC				(g) 1200 UTC				(h) 1800 UTC				(i) Total UTC			
				Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH Bangkok</b>																							
Cambodia	7	0 15 15	0 100 100	71	NR	0	0	71	NR	0	0	71	NR	0	0	71	NR	0	0	71	NR	0	0
Lao People's Democratic Republic	10	0 15 15	0 100 100	90	NR	81	81	90	NR	85	89	20	NR	0	0	10	NR	0	0	52	NR	42	43
Myanmar	27	0 15 15	0 100 100	100	NR	36	58	100	NR	37	47	100	NR	32	47	41	NR	4	26	85	NR	27	45
Thailand	41	15 15 15	100 100 100	100	99	99	100	100	99	99	99	100	100	100	100	100	96	96	100	100	99	99	99
Viet Nam	25	15 15 15	84 100 100	100	84	96	95	100	84	96	94	100	84	94	94	100	83	95	94	100	82	95	94
Total:	110	15 15	56 100 100	97		75	80	97		75	78	91		66	70	75		58	65	90		69	73
<b>RTH Beijing</b>																							
China	219	15 15 15	99 99 100	99	99	99	99	99	98	98	98	99	99	99	99	99	98	98	98	99	98	98	98
Democratic People's Republic of Korea	27	15 15 15	100 100 100	100	100	90	93	100	100	82	82	100	100	69	69	100	100	78	79	100	100	80	81
Viet Nam	25	15 15 15	84 100 100	100	84	95	95	100	84	94	94	100	84	94	94	100	83	94	94	100	82	94	94
Total:	271	15 15 15	98 99 100	99	97	97	98	99	97	96	96	99	97	95	95	99	97	96	96	99	97	96	96
<b>RTH Jeddah</b>																							

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.

## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

Availability of SYNOP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days) NMC RTH MTN	(d) Stations monitored (%) NMC RTH MTN	Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 6 hours of the observation time)																			
				(e) 0000 UTC				(f) 0600 UTC				(g) 1200 UTC				(h) 1800 UTC				(i) Total UTC			
				Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH Jeddah</b>																							
Bahrain	1	0 0 15	0 0 100	100	NR	NR	87	100	NR	NR	87	100	NR	NR	80	100	NR	NR	87	100	NR	NR	85
Kuwait	2	0 0 15	0 0 100	50	NR	NR	50	50	NR	NR	50	50	NR	NR	43	50	NR	NR	50	50	NR	NR	48
Oman	23	15 0 15	91 0 100	87	76	NR	84	100	91	NR	100	100	90	NR	98	91	90	NR	99	95	87	NR	95
Qatar	1	15 0 15	100 0 100	100	100	NR	100	100	100	NR	100	100	100	NR	100	100	100	NR	100	100	100	NR	100
Saudi Arabia	35	0 0 15	0 0 100	94	NR	NR	65	100	NR	NR	75	100	NR	NR	74	94	NR	NR	74	97	NR	NR	72
Yemen	12	0 0 15	0 0 100	42	NR	NR	9	92	NR	NR	36	92	NR	NR	28	58	NR	NR	19	71	NR	NR	23
Total:	74	15	30 0 100	82			62	97			76	97			74	86			73	91			71
<b>RTH Khabarovsk and Novosibirsk</b>																							
Democratic People's Republic of Korea	27	15 15 15	100 0 100	100	100	NM	93	100	100	NM	82	100	100	NM	69	100	100	NM	79	100	100	NM	81
Mongolia	35	15 15 15	9 100 100	100	9	89	98	100	9	90	98	100	9	94	98	100	9	98	98	100	9	93	98
Russian Federation (in Asia)	338	15 15 15	43 43 100	100	40	40	88	100	40	40	86	100	40	40	85	100	39	39	81	100	40	40	85
Total:	400	15 15 15	44 46 100	100	41		90	100	41		86	100	41		85	100	40		83	100	41		86

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## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

Availability of SYNOP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Numbe of stations in the RBSN	(c) Monitoring period (days)  NMC RTH MTN	(d) Stations monitored (%)  NMC RTH MTN	Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 6 hours of the observation time)																			
				(e) 0000 UTC				(f) 0600 UTC				(g) 1200 UTC				(h) 1800 UTC				(i) Total UTC			
				Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH New Delhi</b>																							
Bangladesh	10	5 15 15	90 100 100	100	88	100	100	100	88	99	99	100	90	93	93	100	90	97	98	100	89	97	98
India	75	15 15 15	100 100 100	100	89	89	89	100	87	87	87	100	92	92	92	99	82	82	84	100	88	88	88
Maldives	4	5 15 15	100 100 100	100	5	98	100	100	0	100	100	100	0	87	93	50	0	47	47	88	1	83	85
Myanmar	27	0 15 15	0 100 100	100	NR	57	58	100	NR	43	47	100	NR	47	47	41	NR	2	26	85	NR	37	45
Nepal	6	0 15 15	0 100 100	100	NR	66	66	100	NR	52	59	100	NR	60	60	17	NR	4	11	79	NR	46	49
Pakistan	47	5 15 15	100 100 100	85	74	78	83	87	86	84	88	87	90	89	91	79	76	76	80	85	81	82	85
Sri Lanka	9	5 15 15	78 100 100	100	78	79	79	100	78	74	74	100	78	78	78	89	76	61	61	97	77	73	73
Total:	178	15 15	80 100 100	96		81	82	97		79	81	97		82	83	80		65	70	92		77	79
<b>RTH Tashkent</b>																							
Afghanistan, Islamic State of	13	0 0 15	0 0 100	100	NR	NR	0	100	NR	NR	0	100	NR	NR	0	100	NR	NR	0	100	NR	NR	0
Kazakhstan (in Asia)	53	15 0 15	100 0 100	100	0	NR	97	100	0	NR	98	100	0	NR	99	100	0	NR	98	100	0	NR	98
Kyrgyzstan	6	0 0 15	0 0 100	100	NR	NR	100	100	NR	NR	99	100	NR	NR	99	100	NR	NR	99	100	NR	NR	99
Tajikistan	10	0 0 15	0 0 100	100	NR	NR	11	100	NR	NR	11	100	NR	NR	9	100	NR	NR	10	100	NR	NR	10
Turkmenistan	20	0 0 15	0 0 100	100	NR	NR	94	100	NR	NR	95	100	NR	NR	95	100	NR	NR	95	100	NR	NR	95

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.

## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

Availability of SYNOP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Numbe of stations in the RBSN	(c) Monitoring period (days)  NMC RTH MTN	(d) Stations monitored (%)  NMC RTH MTN	Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 6 hours of the observation time)																				
				(e) 0000 UTC				(f) 0600 UTC				(g) 1200 UTC				(h) 1800 UTC				(i) Total UTC				
				Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	
<b>RTH Tashkent</b>																								
Uzbekistan	19	0 0 15	0 0 100	100	NR	NR	94	100	NR	NR	94	100	NR	NR	94	100	NR	NR	94	100	NR	NR	94	
Total:	121	15	44 0 100	100			78	100			79	100			80	100			79	100			79	
<b>RTH Tehran</b>																								
Iran, Islamic Republic of	77	15 15 15	100 100 100	92	88	88	58	99	98	98	59	99	97	97	51	92	88	88	58	95	93	93	56	
Iraq	11	0 15 15	0 100 100	73	NR	0	0	100	NR	0	0	100	NR	0	0	91	NR	0	0	91	NR	0	0	
Pakistan	47	5 15 15	100 100 100	85	74	79	83	87	86	80	88	87	90	89	91	79	76	70	80	85	81	79	85	
Yemen	12	0 15 15	0 100 100	42	NR	9	9	92	NR	36	36	92	NR	28	28	58	NR	19	19	71	NR	23	23	
Total:	147	15 15	84 100 100	84			57	95			62	95			58	85			57	90			59	
<b>RTH Tokyo</b>																								
Hong Kong, China	1	15 15 15	100 100 100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Japan	53	15 15 15	100 100 100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Macao, China	1	15 15 15	100 100 100	100	100	100	100	100	100	100	100	100	93	93	93	100	93	100	100	100	97	98	98	98

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NM = Reply received, but not including the appropriate monitoring results.

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of SYNOP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Numbe of stations in the RBSN	(c) Monitoring period (days)  NMC RTH MTN	(d) Stations monitored (%)  NMC RTH MTN	Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 6 hours of the observation time)				
				(e) 0000 UTC Impl. NMC RTH MTN	(f) 0600 UTC Impl. NMC RTH MTN	(g) 1200 UTC Impl. NMC RTH MTN	(h) 1800 UTC Impl. NMC RTH MTN	(i) Total UTC Impl. NMC RTH MTN
<b>RTH Tokyo</b>								
Republic of Korea	10	15 15 15	100 100 100	100 100 100 100	100 100 100 100	100 100 100 100	100 100 100 100	100 100 100 100
Total:	65	15 15 15	100 100 100	100 100 100 100	100 100 100 100	100 100 100 100	100 100 100 100	100 100 100 100
<b>Total</b>								
Total Region II:	1234	15	66 68 100	97	85	99	85	98 83 95 81 97 83

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of TEMP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days) NMC RTH MTN			(d) Stations monitored (%) NMC RTH MTN			Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 12 hours of the observation time)											
								(e) 0000 UTC				(g) 1200 UTC				(i) Total			
								Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH Bangkok</b>																			
Cambodia	1	0	15	15	0	100	100	0	NR	0	0	0	NR	0	0	0	NR	0	0
Lao People's Democratic Republic	1	0	15	15	0	100	100	0	NR	0	0	0	NR	0	0	0	NR	0	0
Myanmar	4	0	15	15	0	50	100	100	NR	0	0	0	NR	0	0	50	NR	0	0
Thailand	4	15	15	15	100	100	100	100	95	95	97	0	0	0	0	50	48	48	48
Vlet Nam	3	15	15	15	100	100	100	100	100	100	100	33	67	58	62	67	83	79	81
Total:	13		15	15	54	85	100	85		52	53	8		13	14	46		33	34
<b>RTH Beijing</b>																			
China	85	15	15	15	100	100	100	98	99	99	99	98	99	99	99	98	99	99	99
Democratic People's Republic of Korea	2	15	15	15	100	100	100	50	50	30	30	50	50	40	40	50	50	35	35
Vlet Nam	3	15	15	15	100	100	100	100	100	0	100	33	67	0	62	67	83	0	81

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of TEMP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days) NMC RTH MTN			(d) Stations monitored (%) NMC RTH MTN			Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 12 hours of the observation time)											
								(e) 0000 UTC Impl. NMC RTH MTN				(g) 1200 UTC Impl. NMC RTH MTN				(i) Total Impl. NMC RTH MTN			
<b>RTH Beijing</b>																			
Total:	90	15	15	15	100	100	100	97	98	94	97	94	97	94	96	96	97	94	97
<b>RTH Jeddah</b>																			
Kuwait	1	0	0	15	0	0	100	100	NR	NR	100	100	NR	NR	73	100	NR	NR	87
Oman	2	15	0	15	100	0	100	100	87	NR	87	0	0	NR	0	50	43	NR	43
Qatar	1	15	0	15	100	0	100	0	100	NR	0	0	0	NR	0	0	50	NR	0
Saudi Arabia	8	0	0	15	0	0	100	100	NR	NR	86	100	NR	NR	89	100	NR	NR	88
Yemen	3	0	0	15	0	0	100	33	NR	NR	0	67	NR	NR	0	50	NR	NR	0
Total:	15			15	20	0	100	80			64	73			52	77			58
<b>RTH Khabarovsk and Novosibirsk</b>																			
Democratic People's Republic of Korea	2	15	15	15	100	0	100	50	50	NM	30	50	50	NM	40	50	50	NM	35

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of TEMP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days)			(d) Stations monitored (%)			Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 12 hours of the observation time)											
		NMC	RTH	MTN	NMC	RTH	MTN	(e) 0000 UTC				(g) 1200 UTC				(i) Total			
								Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH Khabarovsk and Novosibirsk</b>																			
Mongolia	6	15	15	15	100	100	100	0	0	33	33	0	0	29	33	0	0	31	33
Russian Federation (in Asia)	86	15	15	15	33	33	100	100	20	20	42	98	12	12	34	99	16	16	38
Total:	94	15	15	15	38	36	100	93	19		41	90	12		34	91	15		38
<b>RTH New Delhi</b>																			
Bangladesh	2	5	15	15	100	100	100	100	50	50	87	0	0	0	0	50	25	25	43
India	29	15	15	15	100	100	100	100	86	86	86	100	81	81	81	100	83	83	83
Myanmar	4	0	15	15	0	100	100	100	NR	0	0	0	NR	0	0	50	NR	0	0
Nepal	1	0	15	15	0	100	100	100	NR	0	0	100	NR	0	0	100	NR	0	0
Pakistan	6	5	15	15	100	100	100	100	0	0	1	0	33	17	32	50	17	8	17
Total:	42		15	15	88	100	100	100		62	64	71		58	60	86		60	62

NR = No reply received from the centre concerned.

NM = Reply received, but not including the appropriate monitoring results.



**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of TEMP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days)			(d) Stations monitored (%)			Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 12 hours of the observation time)											
		NMC	RTH	MTN	NMC	RTH	MTN	(e) 0000 UTC				(g) 1200 UTC				(i) Total			
								Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN	Impl.	NMC	RTH	MTN
<b>RTH Tashkent</b>																			
Afghanistan, Islamic State of	2	0	0	15	0	0	100	100	NR	NR	0	100	NR	NR	0	100	NR	NR	0
Kazakhstan (in Asia)	8	15	0	15	100	0	100	100	57	NR	45	0	0	NR	0	50	28	NR	23
Tajikistan	2	0	0	15	0	0	100	100	NR	NR	0	100	NR	NR	0	100	NR	NR	0
Turkmenistan	1	0	0	15	0	0	100	0	NR	NR	0	0	NR	NR	0	0	NR	NR	0
Uzbekistan	1	0	0	15	0	0	100	100	NR	NR	7	100	NR	NR	0	100	NR	NR	3
Total:	14			15	57	0	100	93			26	36			0	64			13
<b>RTH Tehran</b>																			
Iran, Islamic Republic of	9	15	15	15	100	100	100	56	89	89	51	56	78	78	45	56	83	83	48
Iraq	2	0	15	15	0	100	100	50	NR	0	0	50	NR	0	0	50	NR	0	0
Pakistan	6	5	15	15	100	100	100	100	0	0	1	0	33	24	32	50	17	12	17
Yemen	3	0	15	15	0	100	100	33	NR	0	0	67	NR	0	0	50	NR	0	0

NR = No reply received from the centre concerned.  
 NM = Reply received, but not including the appropriate monitoring results.

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

Availability of TEMP reports from Region II (Format 1)

Monitoring period: 1 to 15 October 2002

(a) Geographical location	(b) Number of stations in the RBSN	(c) Monitoring period (days) NMC RTH MTN			(d) Stations monitored (%) NMC RTH MTN			Percentage of reports expected from implemented stations (reference Volume A edition August 2002) and actually received at centres (within 12 hours of the observation time)											
								(e) 0000 UTC Impl. NMC RTH MTN				(g) 1200 UTC Impl. NMC RTH MTN				(i) Total Impl. NMC RTH MTN			
<b>RTH Tehran</b>																			
Total:	20	15	15	15	75	100	100	65		40	23	40		42	30	52		41	27
<b>RTH Tokyo</b>																			
Hong Kong, China	1	15	15	15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Japan	18	15	15	15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Republic of Korea	3	15	15	15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Total:	22	15	15	15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>Total</b>																			
Total Region II:	294	15			70	69	100	93		67		83		61		88			64

NR = No reply received from the centre concerned.  
 NM = Reply received, but not including the appropriate monitoring results.

## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

List of silent stations in RA II at NMCs, RTHs and MTN centres

Monitoring period: 1 to 15 October 2002

<i>SYNOP reports</i>		
<b>(a) Location</b>	<b>(b) Stations implemented</b> (ref. Volume A, edition August 2002)	<b>(b) Stations not implemented</b> (ref. Volume A, edition August 2002)
Afghanistan, Islamic State of	40904 40913 40922 40938 40942 40945 40954 40971	
Cambodia	40974 40977 40988 40990 40996	48972 48978
China	48966 48982 48983 48991 48998	58659
India	58144	
Iraq	42587 42934 42977	
	40608 40621 40634 40637 40642 40658 40665 40672	
	40676 40684 40686	
Kuwait		40570
Myanmar	48064 48096 48099 48107	
Russian Federation (in Asia)	20667 21965 23219 23331 24105 25248 25325 25428	
	25538 25621 25956 29634 30117 30309 30328 30405	
	30710 31459 31532 31538 32195 32207	
Saudi Arabia	40369 40386 40432 40435 41006 41016 41080	
Tajikistan	38599 38713 38933 38937 38943 38944 38947	
Turkmenistan	38511	
United Arab Emirates	41198 41216	
Uzbekistan	38141	
Viet Nam	48860	
Yemen		41416
Total:	78 stations.	5 stations.

## RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW

List of silent stations in RA II at NMCs, RTHs and MTN centres

Monitoring period: 1 to 15 October 2002

<i>TEMP reports Part A</i>		
<b>(a) Location</b>	<b>(b) Stations implemented</b> (ref. Volume A, edition August 2002)	<b>(b) Stations not implemented</b> (ref. Volume A, edition August 2002)
Afghanistan, Islamic State of	40938 40948	48991
Cambodia		52889
China		
Democratic People's Republic of Korea	47041	
India	42492	
Iraq	40650	40608
Kazakhstan (in Asia)	28952 35394 36003	
Lao People's Democratic Republic		48940
Mongolia		44259
Myanmar	48008 48053 48062 48097	
Nepal	44454	
Pakistan	41530 41640 41661	
Russian Federation (in Asia)	20046 20292 21432 21647 21982 23022 23330 23552 23933 24726 24817 25173 25399 25428 25563 30521 30673 30692 31168 31329 31510 31736 31909 32389 32618	
Tajikistan	38836 38954	
Turkmenistan		38392
United Arab Emirates		41218
Yemen	41404 41480 41494	
Total:	46 stations.	7 stations.

## Section D, Part II

**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**

List of stations in RA II for which reports were received although not mentioned as prepared in Volume A

Monitoring period: 1 to 15 October 2002

<i>SYNOP reports</i>	
<b>(a) Location</b>	<b>(b) Index number</b>
China	52889
India	42895
Iran, Islamic Republic of	40763 40883 40889 40890 40893 40897
Lao People's Democratic Republic	48926
Myanmar	48037 48045 48057 48077 48078
Oman	41254 41255
Pakistan	41504 41508 41520 41523 41535 41565 41568 41570 41577 41672
Yemen	41431 41494
Total:	28 stations.

<i>TEMP reports Part A</i>	
<b>(a) Location</b>	<b>(b) Index number</b>
China	54497
Democratic People's Republic of Korea	47058
Mongolia	44212 44231 44277 44288 44292
Pakistan	41594 41675 41780
Qatar	41170
Vlet Nam	48855
Total:	12 stations.

## Section E

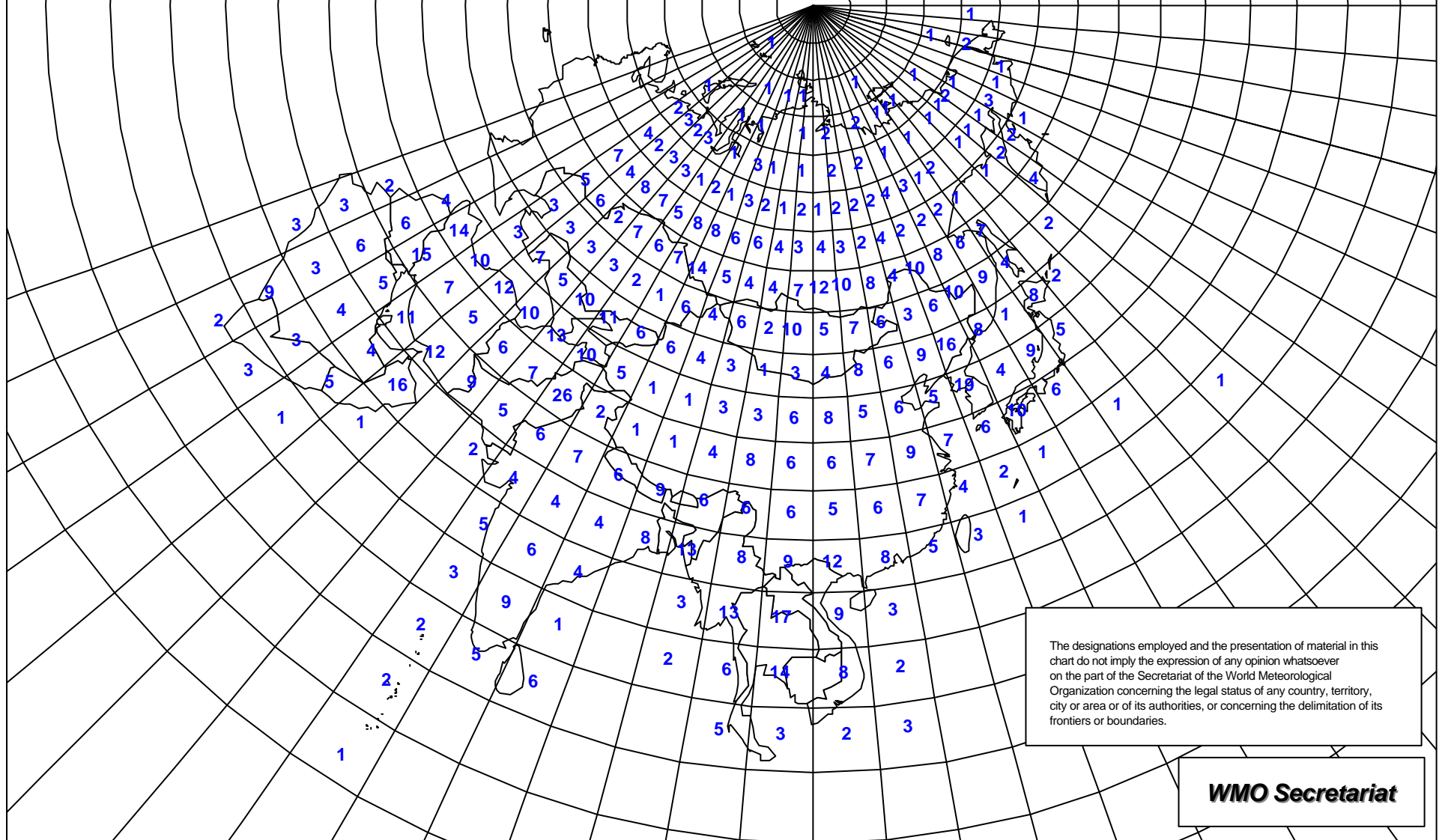
**RESULTS OF THE ANNUAL GLOBAL MONITORING OF THE OPERATION OF THE WWW**  
 Questionnaire related to the implementation of procedures of the monitoring at centres in Region II  
 Monitoring period: 1 to 15 October 2002

Monitoring centre	Is the monitoring automated	Is the counting of bulletins and reports performed before quality control ?	Are bulletins and reports counted only if received or transmitted on the GTS channels ?	Are duplicated bulletins disregarded	Are bulletins including only NIL report counted ?	Are bulletins including COR or CCx counted in addition to bulletins to be corrected ?	Are duplicated reports included in bulletins having the same abbreviated heading disregarded ?	Are duplicated reports included in bulletins having different abbreviated heading disregarded ?	Are NIL reports disregarded ?	Are reports included in bulletins including the indicator COR or CCx disregarded to avoid double counting of these reports ?	Are all AIREP/AMDAR reports made at different positions during the flight counted as different reports ?
(a)	1	2	3	4	5	6	7	8	9	10	11
Almaty	No	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	-
Bangkok	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Colombo	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	-
Dacca	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No
Doha	No	Yes	Yes	No	No	Yes	No	No	Yes	Yes	-
Hong Kong	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Karachi	No	Yes	Yes	Yes	No	Yes	Yes	-	Yes	-	-
Khabarovsk	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Muscat	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
New Delhi	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pyongyang	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No
Seoul	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
Tehran	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tokyo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Note: All replies should be "YES", with the restriction that questions 7, 8 and 10 are only applicable to SYNOP, TEMP, PILOT, CLIMAT, and CLIMAT TEMP reports.

**Number of surface stations comprising the RBSN in RA II**

Edition: August 2002

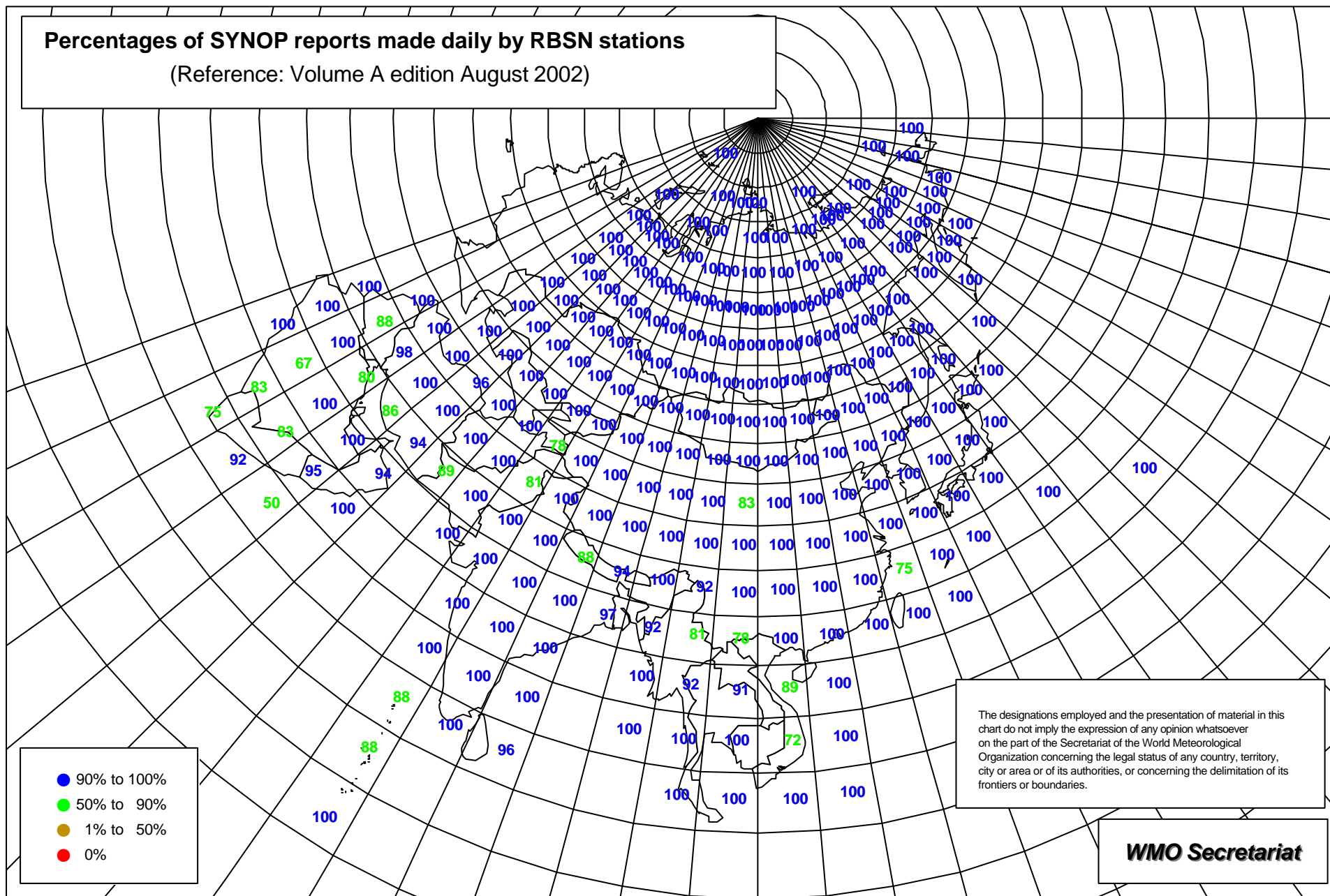


The designations employed and the presentation of material in this chart do not imply the expression of any opinion whatsoever on the part of the Secretariat of the World Meteorological Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

**WMO Secretariat**

### Percentages of SYNOP reports made daily by RBSN stations

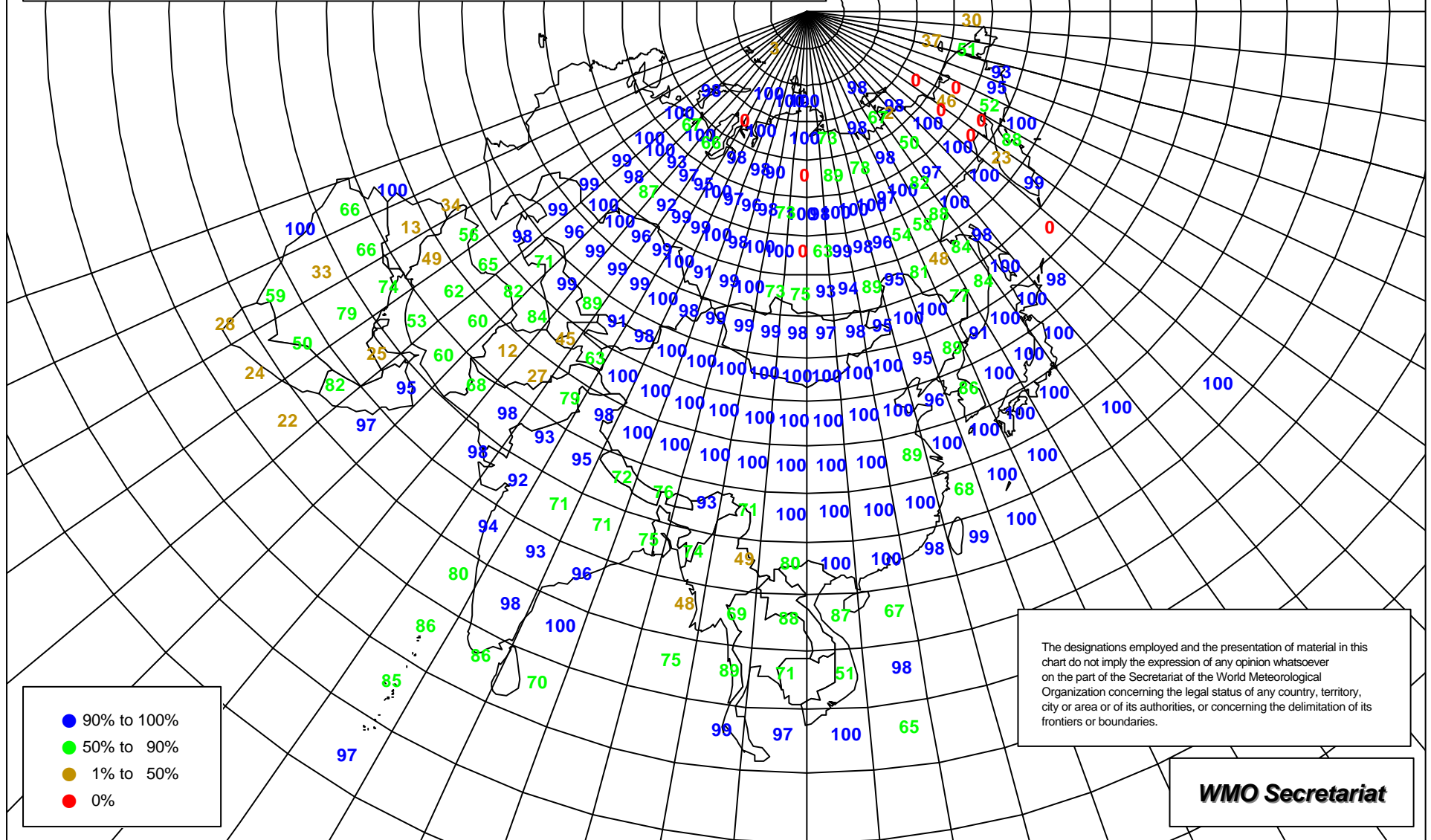
(Reference: Volume A edition August 2002)



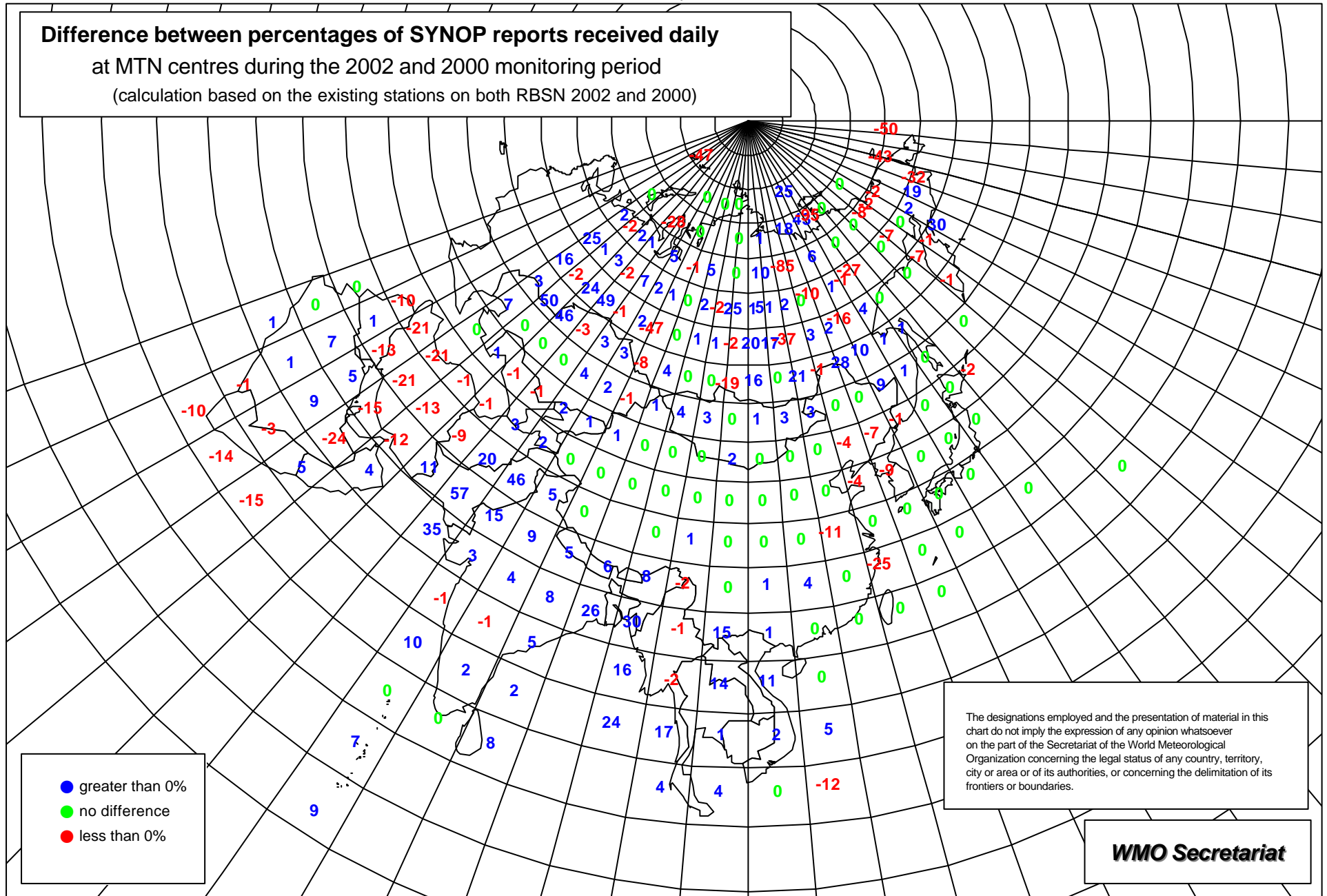


### Percentages of SYNOP reports received daily at MTN centres

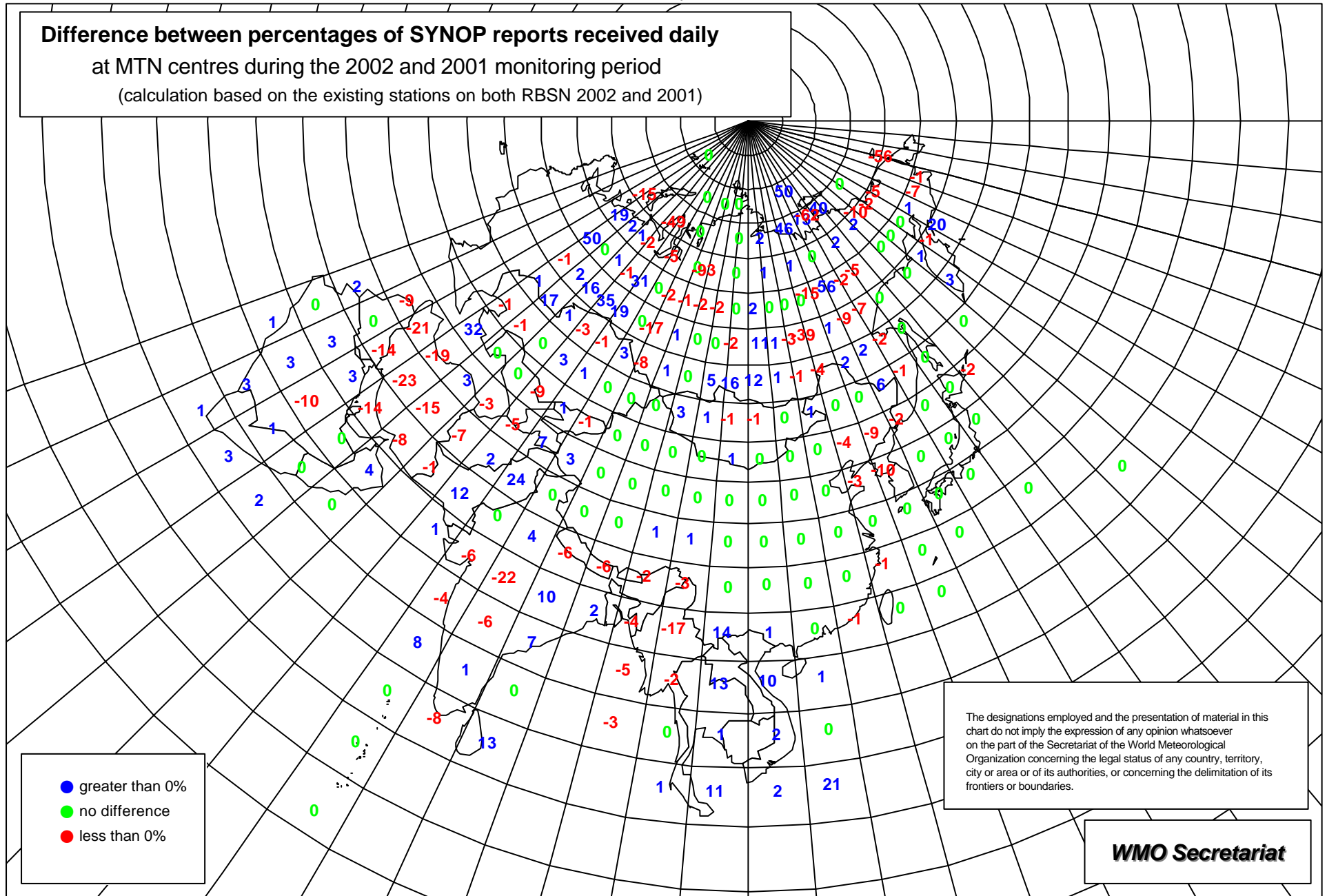
Monitoring period: 1 to 15 October 2002



**Difference between percentages of SYNOP reports received daily**  
at MTN centres during the 2002 and 2000 monitoring period  
(calculation based on the existing stations on both RBSN 2002 and 2000)



**Difference between percentages of SYNOP reports received daily**  
at MTN centres during the 2002 and 2001 monitoring period  
(calculation based on the existing stations on both RBSN 2002 and 2001)



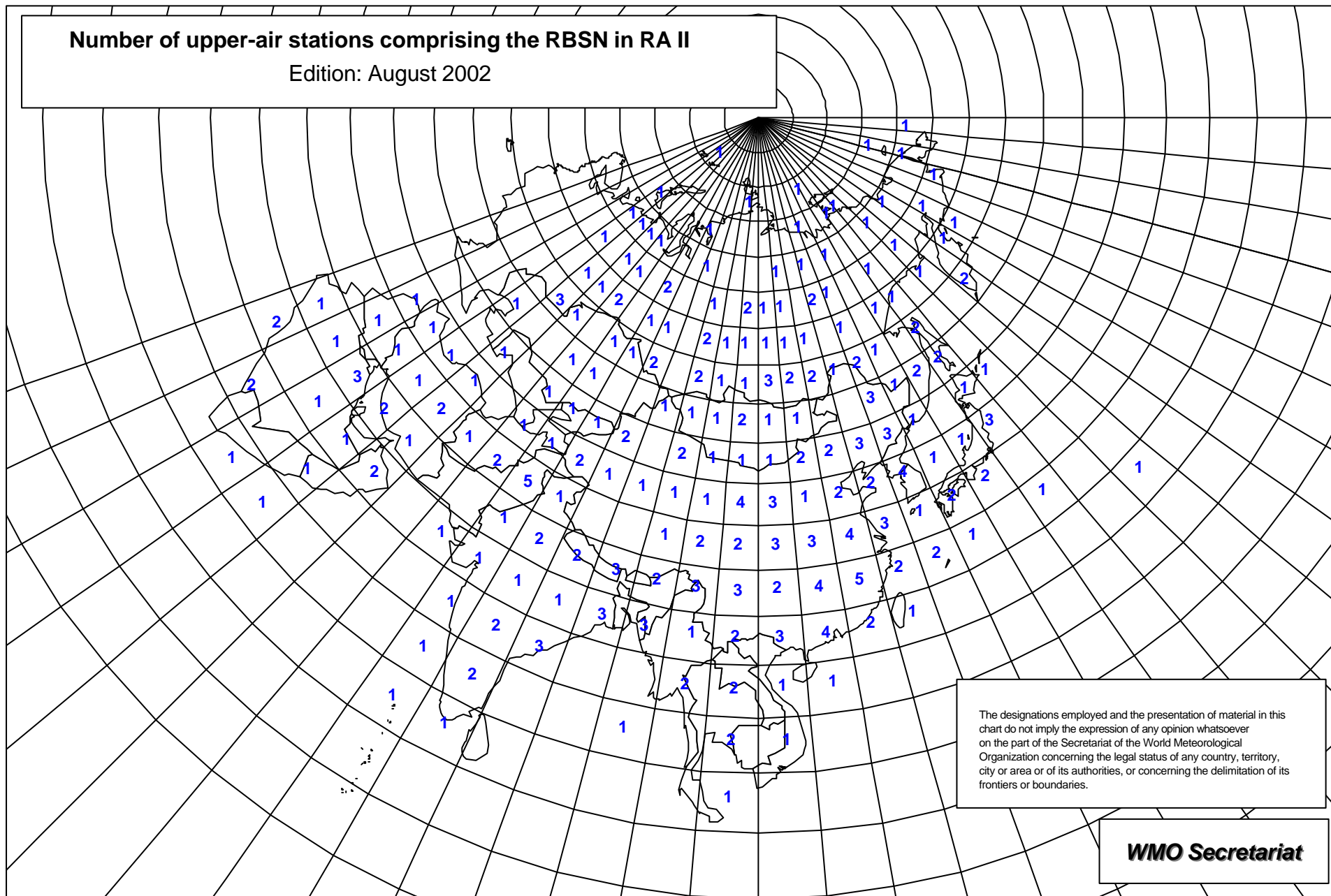
- greater than 0%
- no difference
- less than 0%

The designations employed and the presentation of material in this chart do not imply the expression of any opinion whatsoever on the part of the Secretariat of the World Meteorological Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

**WMO Secretariat**

**Number of upper-air stations comprising the RBSN in RA II**

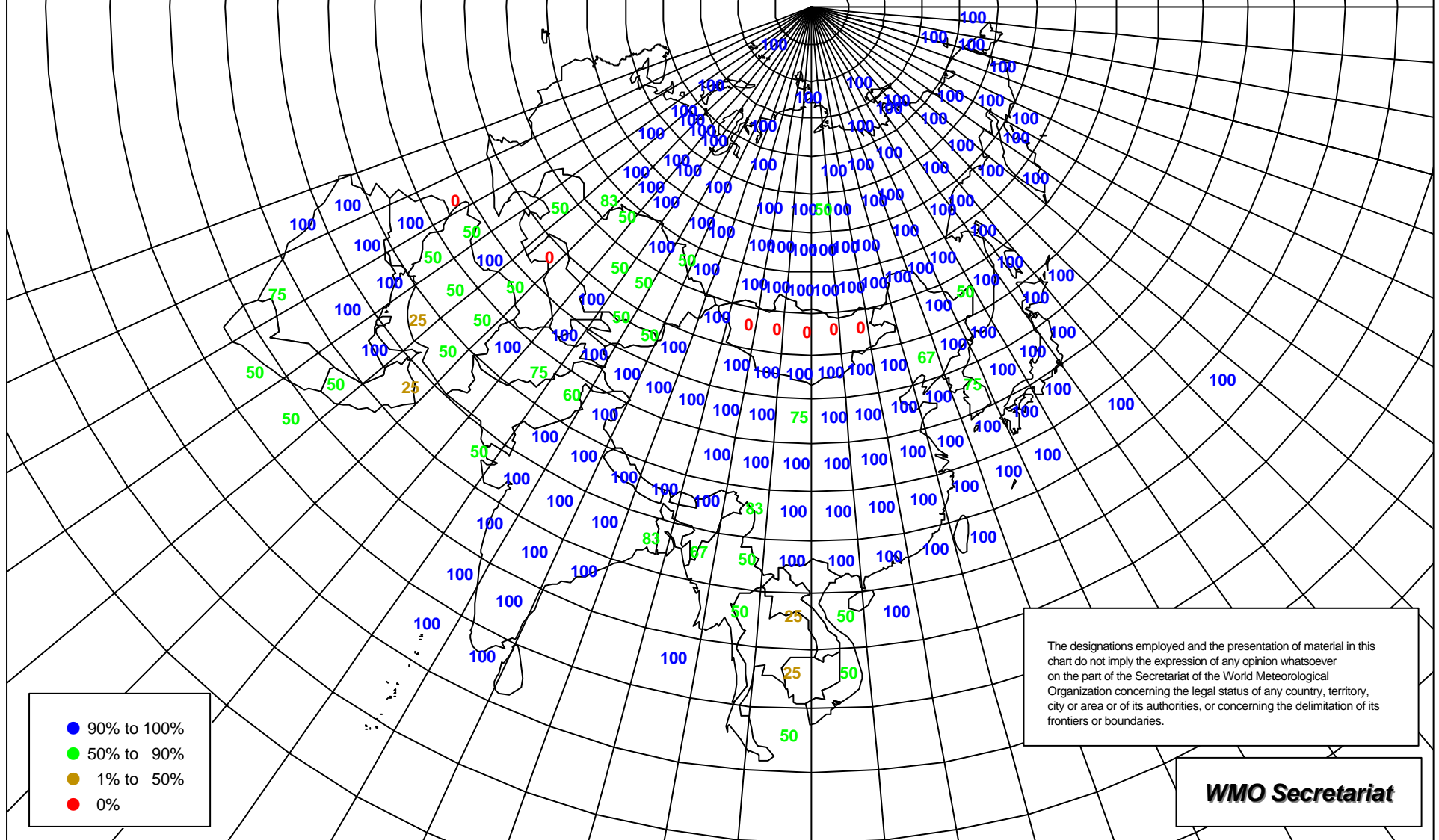
Edition: August 2002



The designations employed and the presentation of material in this chart do not imply the expression of any opinion whatsoever on the part of the Secretariat of the World Meteorological Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

### Percentages of TEMP reports made daily by RBSN stations

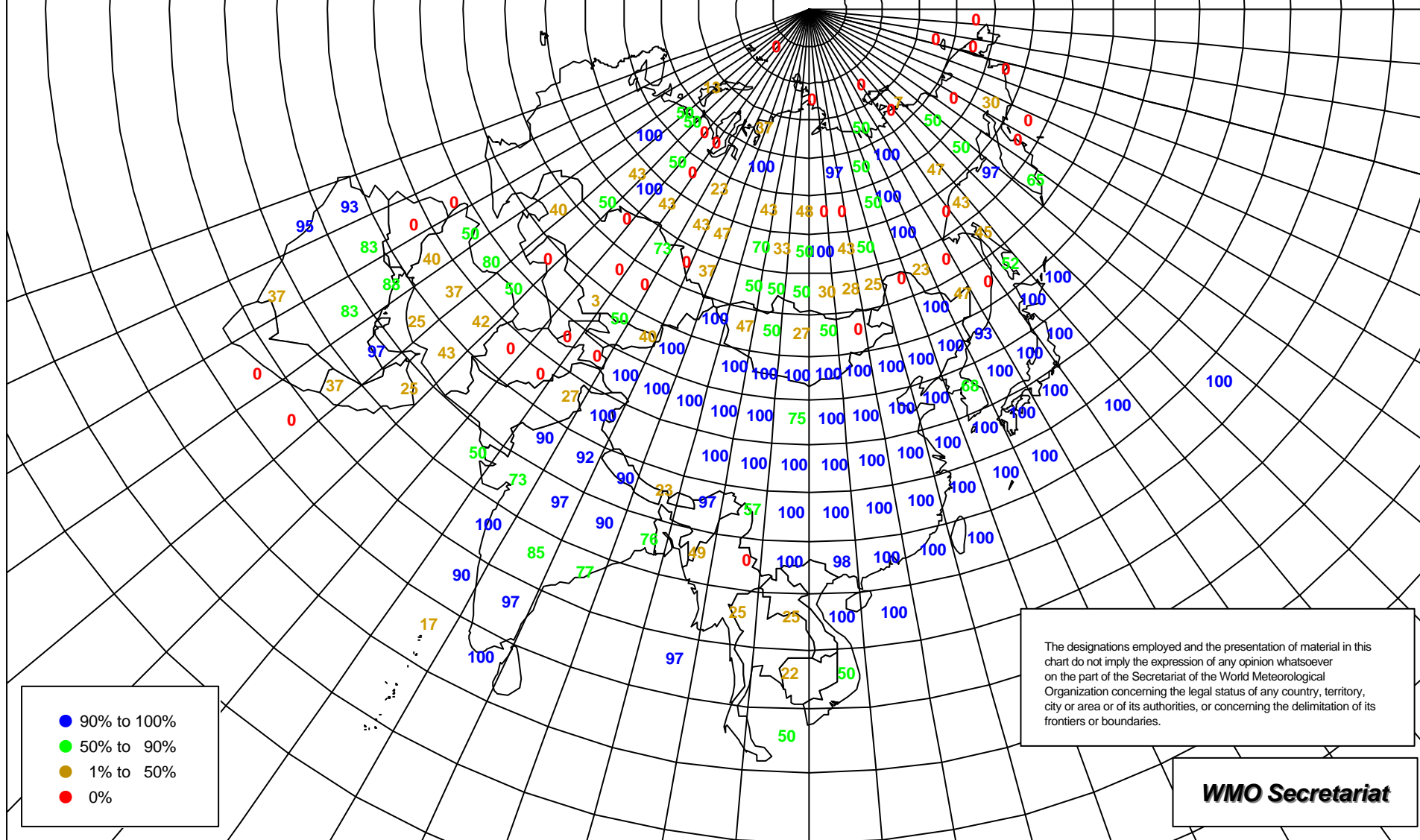
(Reference: Volume A edition August 2002)





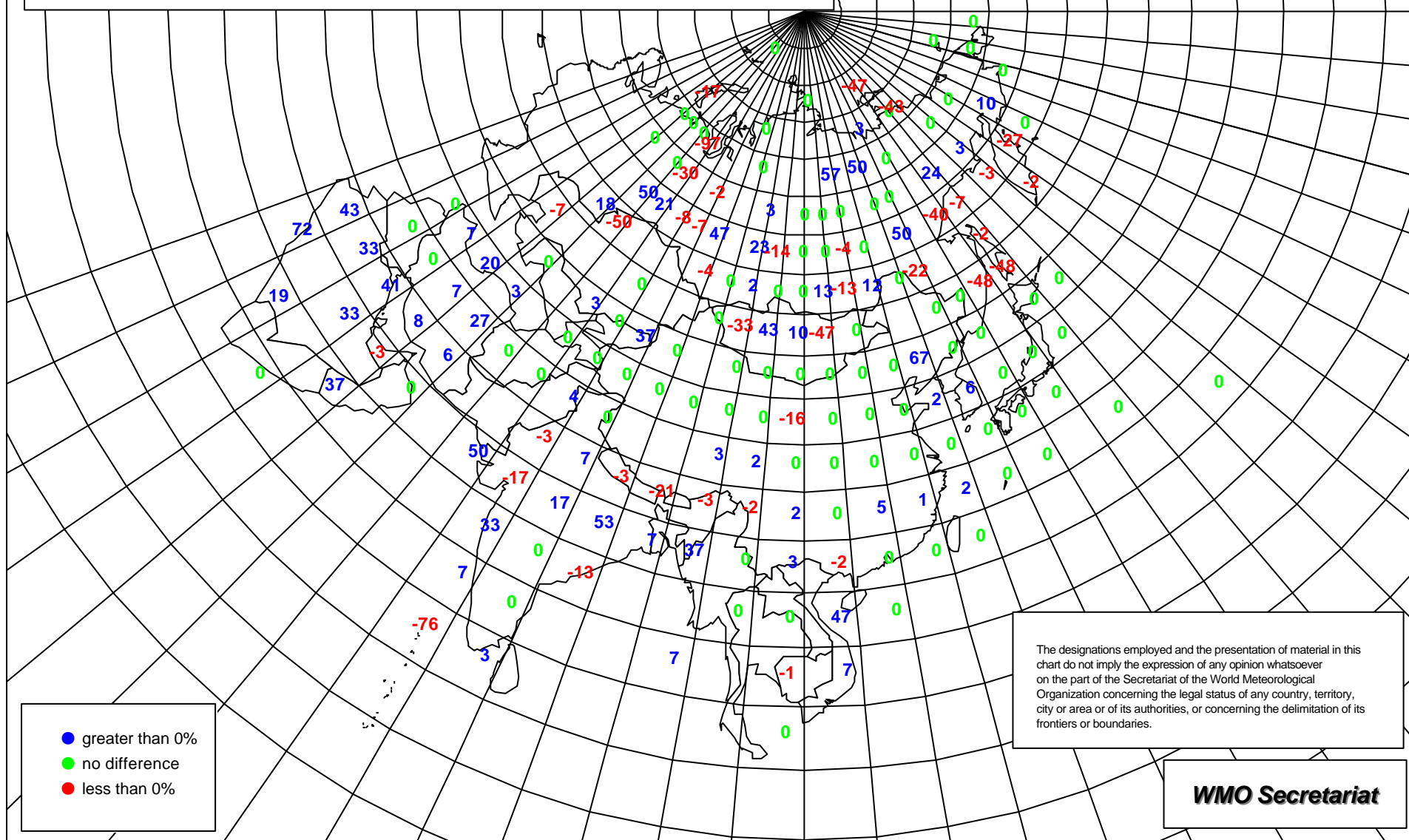
### Percentages of TEMP reports received daily at MTN centres

Monitoring period: 1 to 15 October 2002



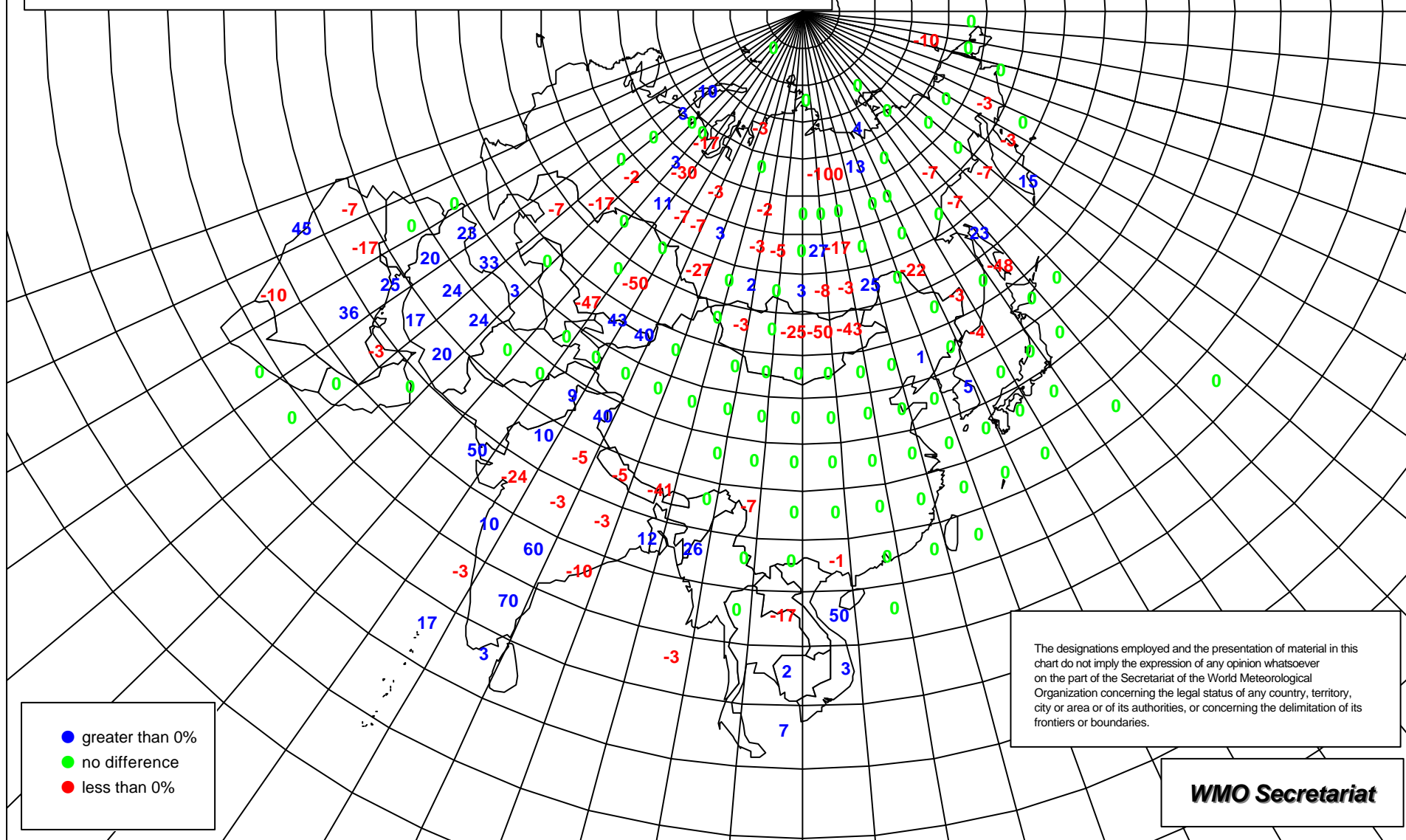
### Difference between percentages of TEMP reports received daily at MTN centres during the 2002 and 2000 monitoring period

(calculation based on the existing stations on both RBSN 2002 and 2000)

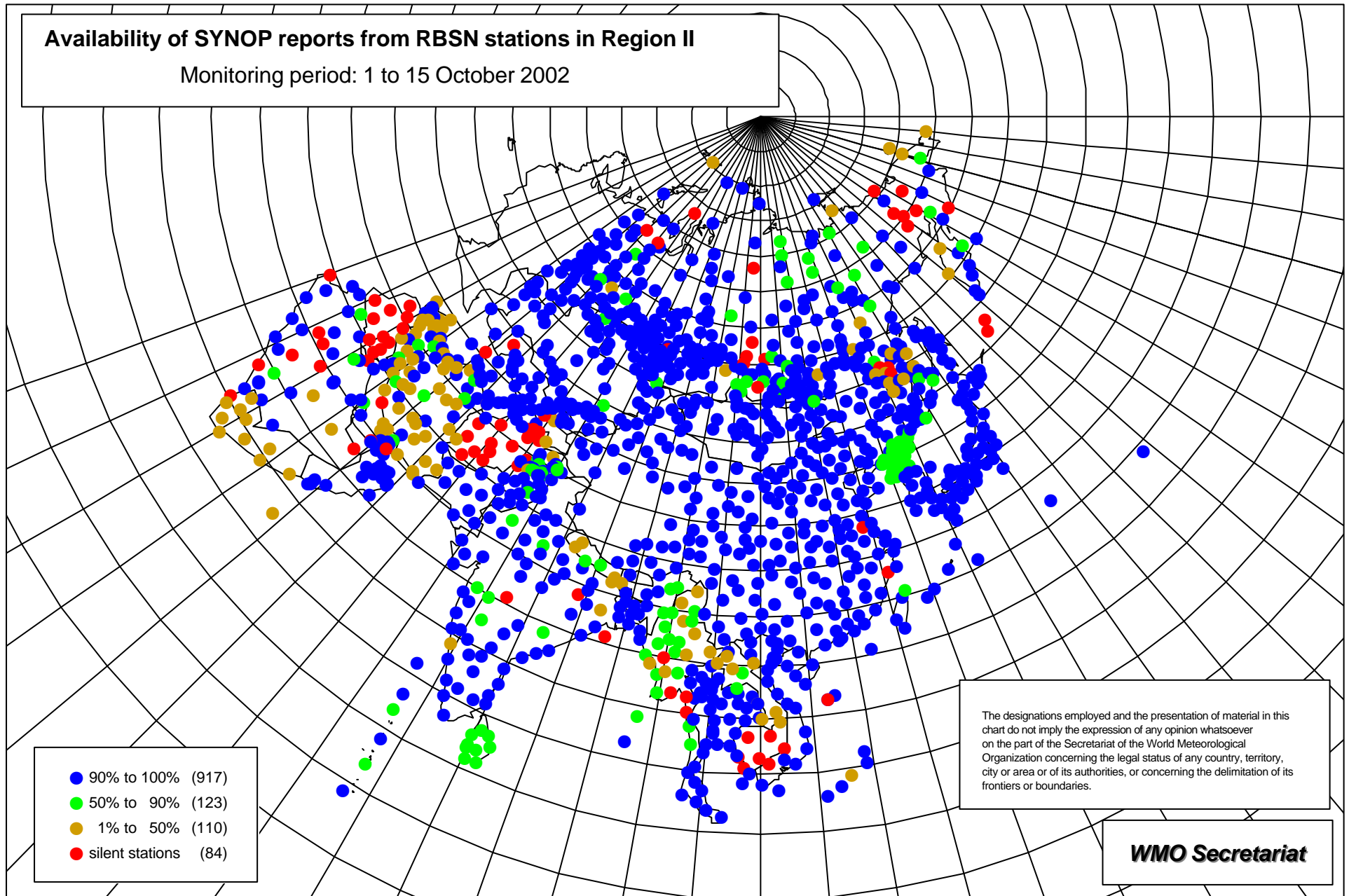


### Difference between percentages of TEMP reports received daily at MTN centres during the 2002 and 2001 monitoring period

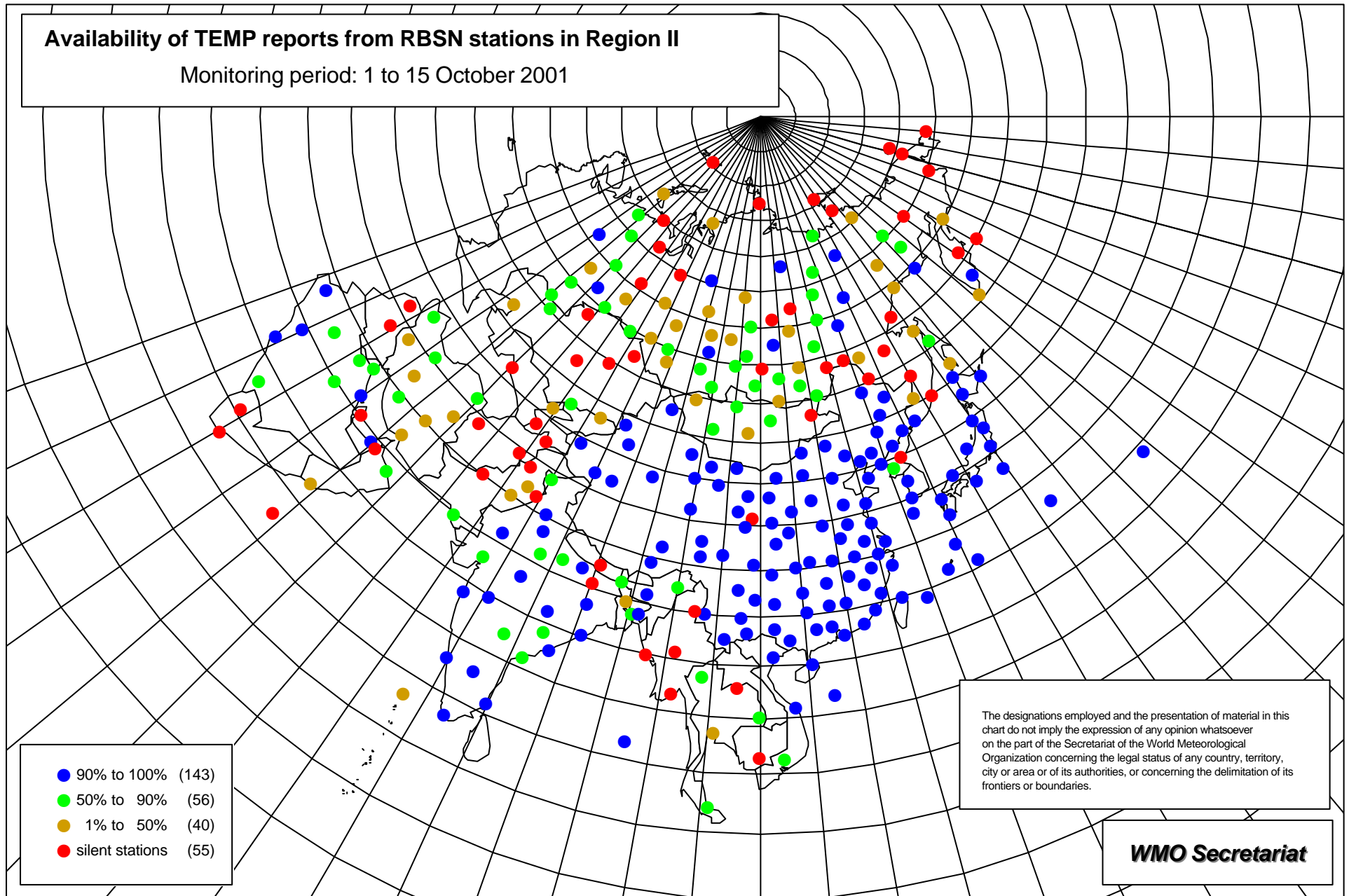
(calculation based on the existing stations on both RBSN 2002 and 2001)







(percentage of reports based on main synoptic hours)



(percentage of reports based on 0000 and 1200 UTC)

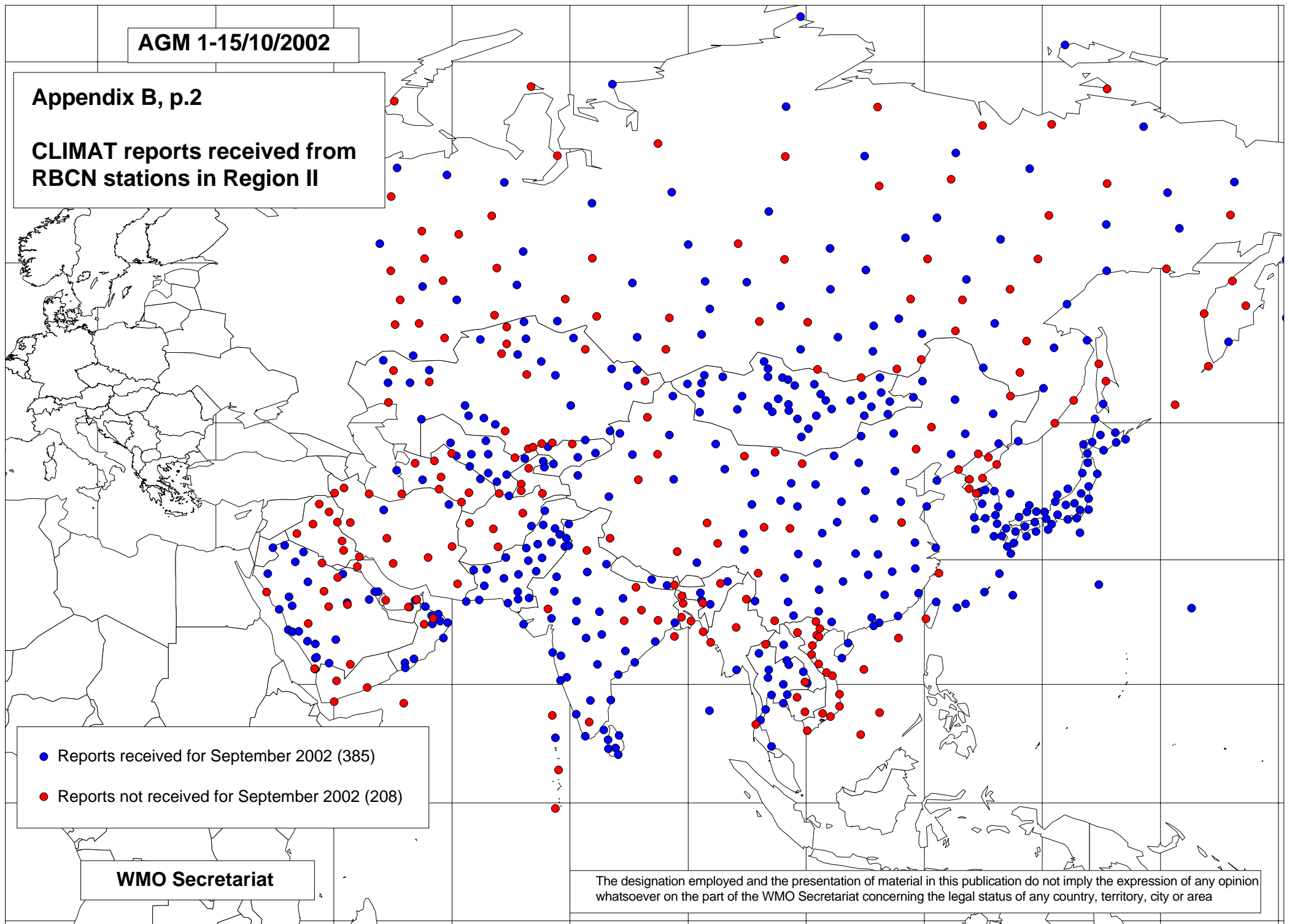
## **APPENDIX B**

**Availability of CLIMAT and CLIMAT TEMP reports from RBCN stations during the 2002  
Annual Global Monitoring of the operation of the WWW**

AGM 1-15/10/2002

Appendix B, p.2

CLIMAT reports received from  
RBCN stations in Region II



- Reports received for September 2002 (385)
- Reports not received for September 2002 (208)

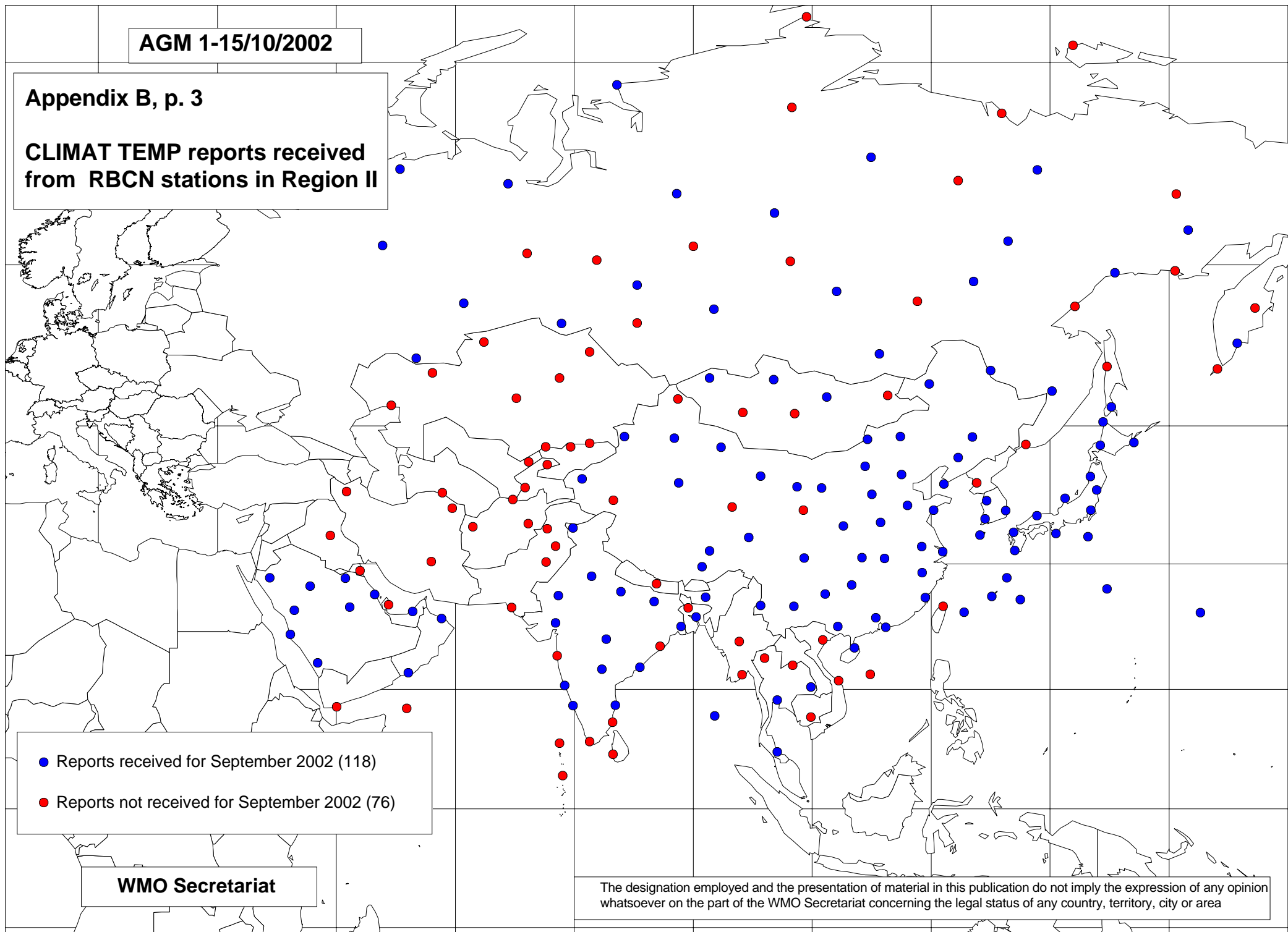
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AGM 1-15/10/2002

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CLIMAT TEMP reports received  
from RBCN stations in Region II



- Reports received for September 2002 (118)
- Reports not received for September 2002 (76)

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*Appendix C - Part I - Availability of SYNOP reports at MTN centres (source: SMM)*

<i>Country</i>	<i>July 2002</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>Average</i>
AFGHANISTAN, ISLAMIC STATE OF	0%	0%	0%	0%	0%
BAHRAIN	92%	85%	87%	75%	85%
BANGLADESH	74%	88%	54%	65%	70%
CAMBODIA	0%	0%	0%	0%	0%
CHINA	98%	98%	98%	98%	98%
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	79%	80%	92%	95%	87%
HONG KONG, CHINA	100%	100%	100%	100%	100%
INDIA	80%	83%	79%	76%	80%
IRAN, ISLAMIC REPUBLIC OF	82%	51%	81%	69%	71%
IRAQ	0%	0%	0%	0%	0%
JAPAN	100%	100%	100%	100%	100%
KAZAKHSTAN (IN ASIA)	98%	98%	98%	99%	98%
KUWAIT	42%	45%	47%	45%	45%
KYRGYZSTAN	91%	99%	100%	100%	97%
LAO PEOPLE'S DEMOCRATIC REPUBLIC	29%	42%	21%	52%	36%
MACAO, CHINA	100%	98%	100%	98%	99%
MALDIVES	72%	83%	66%	76%	74%
MONGOLIA	97%	98%	97%	99%	97%
MYANMAR	11%	42%	32%	49%	34%
NEPAL	40%	35%	46%	35%	39%
OMAN	92%	95%	92%	83%	91%
PAKISTAN	47%	85%	45%	41%	54%
QATAR	97%	100%	97%	98%	98%
REPUBLIC OF KOREA	100%	100%	100%	100%	100%
RUSSIAN FEDERATION (IN ASIA)	84%	85%	87%	88%	86%
SAUDI ARABIA	70%	71%	72%	69%	71%
SRI LANKA	11%	63%	63%	78%	54%
TAJIKISTAN	16%	10%	14%	11%	13%
THAILAND	99%	99%	99%	100%	99%
TURKMENISTAN	93%	95%	89%	95%	93%

<i>Country</i>		<i>July 2002</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>Average</i>
UNITED ARAB EMIRATES		66%	66%	64%	57%	63%
UZBEKISTAN		94%	94%	94%	95%	94%
VIET NAM		94%	94%	93%	94%	94%
YEMEN		5%	22%	23%	17%	17%
Total for	1232 station(s)	81%	82%	83%	82%	82%

*Appendix C - Part II - Availability of TEMP reports at MTN centres (source: SMM)*

<i>Country</i>	<i>July 2002</i>	<i>October 2002</i>	<i>January 2003</i>	<i>April 2003</i>	<i>Average</i>
AFGHANISTAN, ISLAMIC STATE OF	0%	0%	0%	45%	11%
BANGLADESH	22%	43%	20%	18%	26%
CAMBODIA	0%	0%	0%	0%	0%
CHINA	100%	100%	100%	100%	100%
DEMOCRATIC PEOPLE'S REPUBLIC OF	13%	35%	22%	23%	23%
HONG KONG, CHINA	100%	100%	100%	100%	100%
INDIA	68%	79%	86%	89%	80%
IRAN, ISLAMIC REPUBLIC OF	38%	48%	48%	41%	44%
IRAQ	0%	0%	0%	0%	0%
JAPAN	99%	100%	100%	100%	100%
KAZAKHSTAN (IN ASIA)	25%	23%	32%	35%	29%
KUWAIT	77%	87%	77%	93%	83%
LAO PEOPLE'S DEMOCRATIC REPUBLIC	0%	0%	0%	0%	0%
MONGOLIA	45%	33%	42%	44%	41%
MYANMAR	0%	0%	0%	0%	0%
NEPAL	0%	0%	0%	0%	0%
OMAN	40%	43%	30%	18%	33%
PAKISTAN	8%	14%	2%	1%	6%
QATAR	0%	0%	0%	43%	11%
REPUBLIC OF KOREA	100%	100%	100%	100%	100%
RUSSIAN FEDERATION (IN ASIA)	42%	37%	40%	43%	41%
SAUDI ARABIA	77%	88%	70%	86%	80%
TAJKISTAN	0%	0%	0%	0%	0%
THAILAND	47%	47%	31%	38%	41%
UNITED ARAB EMIRATES	30%	48%	50%	23%	38%
UZBEKISTAN	0%	3%	7%	0%	3%
VIET NAM	64%	81%	70%	70%	71%
YEMEN	0%	0%	0%	0%	0%
Total for 291 station(s)	62%	63%	64%	66%	64%