OPERATIONAL
newsletter

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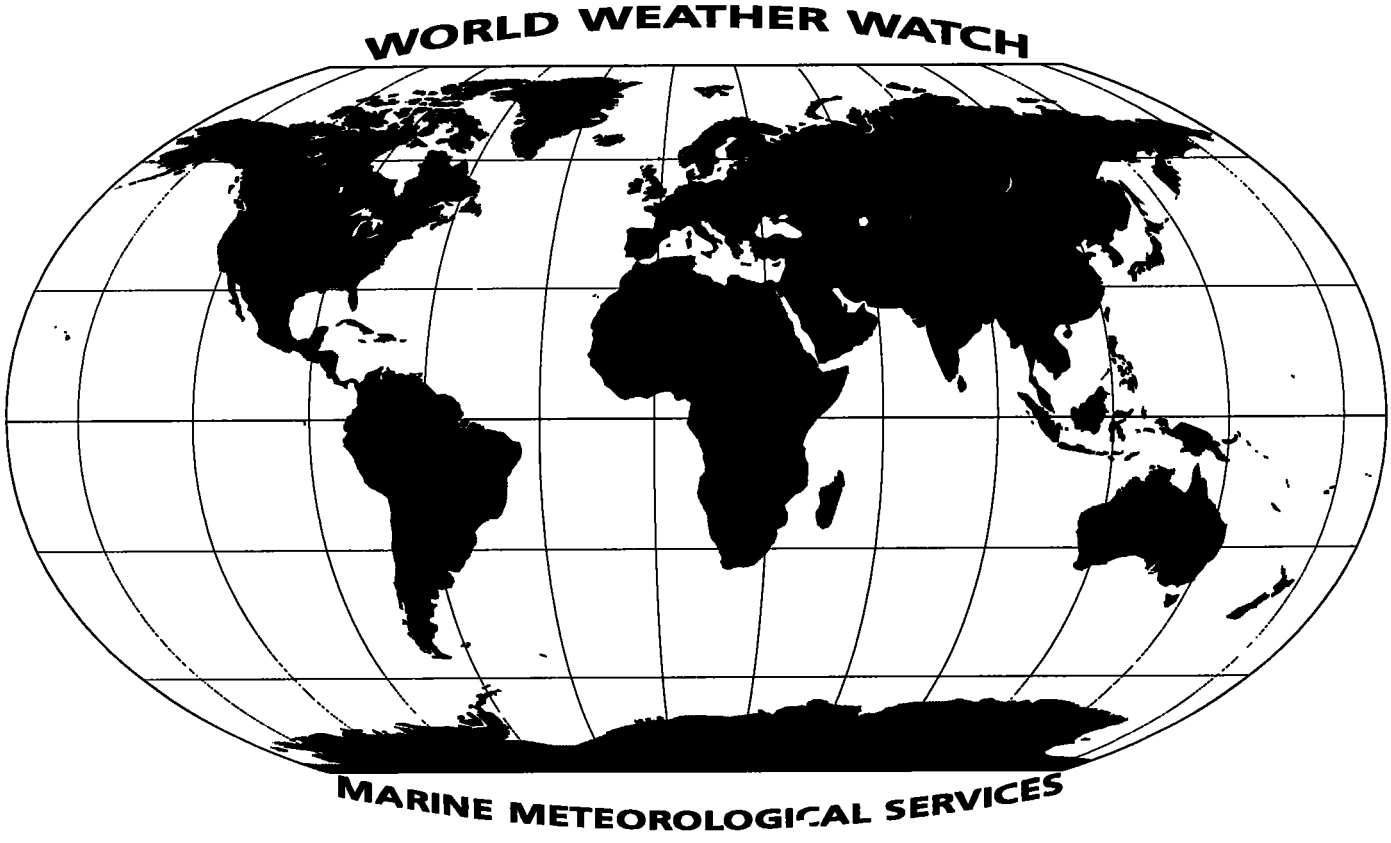


World Meteorological Organization
GENEVA

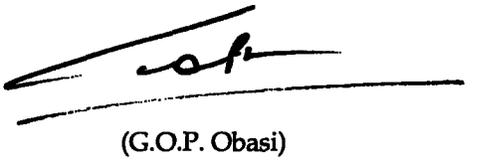
The WMO Secretariat would like to express its appreciation to all those who have contributed material to the "Operational Newsletter". ■

Foreword

As you are aware, all the information on changes to the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) is being assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action. In this connection we have created the "OPERATIONAL *NEWSLETTER*" to provide you with the latest operational information on WWW and MMS.

The CBS Advisory Working Group recommended that a special table should be added to the "OPERATIONAL *NEWSLETTER*" to report changes of the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations. You will note, therefore, that an item, 'Feed-back from Members to the Secretariat on any changes in the observing network' has been added to Annex I - *Global Observing System.*

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated.



(G.O.P. Obasi)
Secretary-General

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Contents

Annex III
GLOBAL TELECOMMUNICATION SYSTEM

Annex V
MARINE METEOROLOGICAL SERVICE (MMS) AND RELATED OCEANOGRAPHIC ACTIVITIES SYSTEM

Annex I

GLOBAL OBSERVING SYSTEM

A. GOS REGULATORY OR GUIDANCE MATERIAL

3. Guidance material on instruments and observing methods

3.1 WMO Catalogue of radiosondes and upper-air wind systems in use by Members

A new edition of the WMO upper-air station and equipment list is published annually. We have had requests to update this Catalogue on a regular basis in our Newsletter, we are therefore attaching the Catalogue at the end of Annex I. The plan is to publish in the future only the changes to the Catalogue in print form, whereas the Catalogue itself will be offered on diskette. We invite Members to notify the Secretariat of changes as they occur. To provide a speedier service we request that notification of changes be sent to us on diskette, in ASCII format, when possible.

C. INFORMATION ON OPERATIONAL STATUS OF ELEMENTS OF THE SURFACE-BASED SUB-SYSTEM

1. Publication No. 9, Volume A - Stations

1.1 New stations

Index No.	Name	Latitude	Longitude	Elevation HP	Elevation H/HA	Pressure Level	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region I - Egypt																				
62408	Edfou	24 °59 'N	32 °49'E	89	88		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
62460	Sharm El-Sheikh	27 °58 'N	34 °23'E	51	49		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
Region II - Japan																				
47557	Fukushima Airport	37 °14 N	140 °26'E	375	372		.	.	.	.	.	.	.	.	H00-10 S-2330	.	.	.	.	
47783	Iwami Airport	34 °40 'N	131 °48'E	57	54		.	.	.	.	.	.	.	.	H23-10	.	.	.	.	
47920	Ishigakijima/Omotodake	24 °25 'N	124 °11'E	-	516		.	.	.	.	.	.	.	.		.	.	.	.	
Region II - Saudi Arabia																				
40377	Hafr Al-Batin	27 °54 'N	45 °32'E	414	413		X	X	X	X	X	X	X	X		.	.	.	.	
40415	Dammam (King Fahd International Airport)	26 °26 'N	49 °48'E	12	-		.	.	.	.	.	.	.	.		.	.	.	.	
Region VI - Germany																				
10418	Luedenscheid	51 °15 'N	07 °39'E	392	387		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
10871	Fuerholzen	48 °20 'N	11 °37'E	-	510		.	.	.	.	.	.	.	.		.	.	.	.	
Region VI - Portugal																				
08524	Viru-Viru	17 °38 'S	63 °08'W	-	373		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	

C. Information on operational status of elements of the surface-based sub-system *(continued)*

1. Publication No. 9, Volume A - Stations / 1.1 New stations *(continued)*

Index No.	Name	Latitude	Longitude	Elevation HP	Elevation H/HA	Pressure Level	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region VI - Spain																				
08222	Madrid, Retiro	40°25'N	03°41'W	667	667		.	.	.	.	.	.	.	.		.	.	.	.	AUT
Region VI - Slovakia																				
11819	Jaslovke Bohunice	48°29'N	17°40'E	185	176		.	.	.	.	.	.	.	.		.	.	.	.	
11856	Mochovce	48°17'N	18°27'E	269	261		.	.	.	.	.	.	.	.		.	.	.	.	
Region VI - Sweden																				
02043	Esrange	67° 56'N	21° 04'E	341	330		X	X	X	X	X	X	X	X		.	.	.	.	
02284	Jarnasklubb	63° 26'N	19° 41'E	-	5		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
Region VI - Syrian Arab Republic																				
40025	Hmemim	35°43'N	35°57'E	46	46		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	

1.2 Deleted stations

Region	Index No.	Name
Region IV - Canada	71053	Clinton Point, NWT
	71200	Victoria/Gonzales, B.C.
	71473	Saturna Island, BC
	71490	Robertson Lake, NWT
	71920	Cree Lake, Sask
Region VI - Former Union of Soviet Socialist Republics	33845	Tiligulo-Berezanka
	33868	Novaia Kakhovka
	33921	Stereguscij
Region VI - Sweden	02044	Kiruna Flygplats
	02432	Orebro Flygplats
	02544	Karlsborg

1.3 Changes to existing stations

Index No.	Name	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region II - Japan															
47744	Yonago	X	X	X	X	X	X	X	X	H00-24	RW	W	RW	W	
47747	Toyooka	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47754	Hagi	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47759	Kyoto	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47761	Hikone	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47768	Okayama	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47770	Kobe	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	

C. Information on operational status of elements of the surface-based sub-system *(continued)*

1. Publication No. 9, Volume A - Stations / 1.3 Changes to existing stations *(continued)*

Index No.	Name	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region II - Japan															
47777	Wakayama	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47780	Nara	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47805	Hirado	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47809	Iizuka	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47812	Sasebo	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47814	Hita	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47823	Akune	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47824	Hitoyoshi	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47829	Miyakonojo	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47838	Ushibuka	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47892	Uwajima	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47893	Kochi	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47895	Tokushima	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
47791	Minamitorishima	X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	
Region II - Saudi-Arabia															
40362	Rafha	X	.	X	X	X	X	X	X	H00-21	.	.	.	.	
40410	Khaber	.	X	X	X	X	.	.	.	H03-12	.	.	.	.	
41084	Bisha	X	.	X	X	X	X	X	X	H00-21	.	.	.	.	
41136	Sharurah	X	.	X	X	X	X	X	X	H00-21	.	.	.	.	
Region III - Bolivia															
85033	Guayaramerin	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85043	Riberalta	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85114	Magdalena	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85123	Santa Ana	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85152	San Borja	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85154	Trinidad	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85175	Ascencion de Guarayos	23	.	.	.	X	X	X	X	H11-23	.	.	.	.	
85315	Camiri	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85364	Tarija	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
85365	Yacuiba	23	.	.	.	X	X	X	X	H10-23	.	.	.	.	
Region III - Ecuador															
84008	San Cristobal (Galapagos)	X	.	.	.	X	X	X	X	H12-24	.	.	.	.	

C. Information on operational status of elements of the surface-based sub-system *(continued)*

1. Publication No. 9, Volume A - Stations / 1.3 Changes to existing stations *(continued)*

Index No.	Name	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region IV - Canada															
71069	Slave Lake, Alta	X	.	X	.	X	.	X	.	H00, 13-23	.	.	.	P	
										H04-11*					
71207	Squamish Airport, BC	X	.	X	.	X	.	X	.	H00-24	.	.	.	.	
71600	Sable Island, NS	X	.	.	.	X	.	X	.	H00-02, 09-23	RW	.	RW	.	
71823	La Grande IV, Que	X	.	X	.	X	.	.	.	H00-12, 22-23#	RW	.	RW	.	
										H00-12, 23+					
71834	Geraldton, Ont	X	.	X	.	X	.	X	.	H00-24	.	.	.	.	
Region VI - Former Union of Soviet Socialist Republics															
33393	L'Vov	X	X	X	X	X	X	X	X		.	.	.	.	
33658	Cernovcy	X	X	X	X	X	X	X	X		.	.	.	.	
33791	Krivoj Rog	X	X	X	X	X	X	X	X		.	.	.	.	
33837	Odessa	X	X	X	X	X	X	X	X		RW	.	.	.	
33946	Simferopol'	X	X	X	X	X	X	X	X		.	.	.	.	
Region VI - Germany															
10215	Oldenburg (effective 1.4.94)	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10253	Luechow	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10321	Diepholz (effective 1.4.94)	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10444	Goettingen	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10704	Berus	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10706	Tholey	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
10724	Weinbiet	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
Region VI - Slovakia															
11916	Chopok	.	.	X	X	X	X	X	X	H05-20	.	.	.	.	
11918	Liesek	.	.	X	X	X	X	X	X	H05-20	.	.	.	.	
11952	Poprad/Granovce	.	.	.	.	.	.	.	.		RW	W	RW	W	

* Automatic
\# Summer
\+ Winter

C. Information on operational status of elements of the surface-based sub-system *(continued)*

1. Publication No. 9, Volume A - Stations *(continued)*

1.5 Temporary changes

•Notification from Australia

That Australian summer time will cease in:
- New South Wales, the Australian capital territory, and Victoria at 1500 UTC on 5 March 1994;
- South Australia at 1500 UTC on 19 March 1994;
- Tasmania at 1500 UTC on 26 March 1994

Australian summer time was NOT implemented in:
- Queensland, Western Australia and the Northern Territory.

Surface observations in:
- New South Wales, the Australian capital territory, and Victoria will revert to the normal programme from 1500 UTC on 5 March 1994;
- South Australia from 1500 UTC on 19 March 1994;
- Tasmania at 1500 UTC on 26 March 1994

Australian summer time was NOT implemented in:
- Queensland, Western Australia and the Northern Territory, therefore no changes will be made to time of surface observations.

Upper-air observations will revert to the normal programme in:
- South Australia from 1500 UTC on 19 March 1994;
- Tasmania from 1500 UTC on 26 March 1994;
- all other Australian upper-air stations will revert to normal programme from 1500 UTC on 5 March 1994

•Notification from the Former USSR

That station 89606 VOSTOK temporarily stopped operating as for the period 1 February 1994 to the end of November 1994. The station's SYNOP and CLIMAT reports for this period will therefore not be transmitted over the GTS.

•Notification from Germany

That as from 1 January 1994 the upper-air observations of station 10384 Berlin-Tempelhof has been ceased.

C. Information on operational status of elements of the surface-based sub-system *(continued)*

4. Automatic Marine Stations

KEY - OBSERVED OR TECHNICAL PARAMETERS

Column	Parameters	Column	Parameters
1	Wind direction and speed	9	Subsurface temperatures
2	Air temperature	10	Relative humidity
3	Air pressure	11	Visibility
4	Pressure tendency		
5	Sea-surface temperature	-	Parameter not observed
6	Wave period and height	X	Buoy observes this parameter
7	Wave spectra	.	Data under evaluation, not reported
8	Peak wind gust		

4.1 Japan

4.1.2 Drifting Buoys

The Maritime Safety Agency (MSA) of Japan

WMO buoy Identifier	ARGOS Identifier	Position of Release		Date of Release
		Latitude	Longitude	
21586	17269	29°59.6'N	156°03.7'E	18 October 1993
21587	17270	30°02.0'N	159°51.2'E	19 October 1993
21588	17271	30°00.0'N	170°35.2'E	23 October 1993
21589	17272	29°59.6'N	175°13.6'E	25 October 1993
21590	17273	30°01.5'N	179°53.9'E	27 October 1993
52632	20953	24°59'N	137°01'E	23 January 1994
52633	20954	12°59'N	136°57'E	27 January 1994
52634	20955	03°02'N	136°59'E	31 January 1994

The following buoys will be deployed in area 52 on July 1994

WMO buoy Identifier	ARGOS Identifier	Position of Release		Date of Release
		Latitude	Longitude	
52631	20952	Area 52	Area 52	July 1994
52635	20954	Area 52	Area 52	July 1994
52635	20956	Area 52	Area 52	July 1994
52636	20957	Area 52	Area 52	July 1994

4.3 United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the **February 1994** Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA). Data from moored buoys and platforms are collected by geostationary meteorological satellites and reports are distributed on the GTS in SHIP code. Data from drifting buoys are collected by the ARGOS system and distributed on the GTS in DRIFTER code.

C. Information on operational status of elements of the surface-based sub-system *(continued)*

4. Automatic Marine Stations/ 4.3 United States of America (continued)

4.3.1 Moored Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 10-17 Feb 1994 Latitude	Longitude	Observed or technical parameters 1	2	3	4	5	6	7	8	9	10	11
32302		18.0S	85.1W	X	X	X	-	X	X	X	-	-	-	-
41001*		34.7N	72.7W	X	X	X	-	X	X	X	-	-	-	-
41002*		32.3N	75.2W	X	X	X	-	X	X	X	-	-	-	-
41004		32.5N	79.1W	+	+	X	-	X	X	X	-	-	-	-
41006*		29.3N	77.3W	X	X	X	-	X	X	X	-	-	-	-
41009		28.5N	80.2W	X	X	X	-	X	X	X	-	-	-	-
41010		28.9N	78.5W	X	X	X	-	X	X	X	-	-	-	-
41016		24.6N	76.5W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.9N	89.7W	X	X	X	-	X	X	X	-	-	-	-
42002*		25.9N	93.6W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.9N	85.9W	X	X	X	-	X	X	X	-	-	-	-
42007		30.1N	88.8W	X	X	X	-	X	.	.	-	-	-	-
42016		29.9N	88.0W	X	X	X	-	X	.	.	-	-	-	-
42019		27.9N	95.0W	X	X	X	-	X	X	X	-	-	-	-
42020		27.0N	96.5W	X	X	X	-	X	X	X	-	-	-	-
42025		24.9N	80.4W	.	X	.	-	X	X	X	-	-	-	-
42035		29.2N	94.4W	X	X	X	-	X	X	X	-	-	-	-
42036		28.5N	84.5W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.5N	70.7W	X	X	X	-	X	X	X	-	-	-	-
44005*		42.6N	68.6W	X	X	X	-	X	X	X	-	-	-	-
44007		43.5N	70.1W	X	X	X	-	X	X	X	-	-	-	-
44008		40.5N	69.4W	X	X	X	-	X	X	X	-	-	-	-
44009		38.5N	74.7W	X	X	X	-	X	+	+	-	-	-	-
44011*		41.1N	66.6W	X	X	X	-	X	X	X	-	-	-	-
44013		42.4N	70.7W	X	X	X	-	X	X	X	-	-	-	-
44014		36.6N	74.8W	X	X	X	-	X	X	X	-	-	-	-
44025		40.3N	73.2W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.0N	87.8W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.3N	86.4W	X	X	X	-	X	X	X	-	-	-	-
45003*		45.3N	82.7W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.5N	86.5W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.7N	82.4W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.3N	89.9W	X	X	X	-	X	X	X	-	-	-	-
45007*		42.7N	87.1W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.3N	82.4W	X	X	X	-	X	X	X	-	-	-	-
46001*		56.3N	148.2W	+	+	+	-	+	+	+	-	-	-	-

* Base funded station of National Weather Service (NWS); however, all stations report data to NWS
\+ Sensor/system failure

C. Information on operational status of elements of the surface-based sub-system *(continued)*

4. Automatic Marine Stations / 4.3 United States of America / 4.3.1 Moored Buoys *(continued)*

WMO buoy	ARGOS	Position: 10-17 Feb 1994		Observed or technical parameters										
Identifier	*Identifier*	*Latitude*	*Longitude*	1	2	3	4	5	6	7	8	9	10	11
46002*		42.5N	130.3W	X	X	X	-	X	X	X	-	-	-	-
46003*		51.9N	155.9W	+	X	X	-	X	X	X	-	-	-	-
46005*		46.1N	131.0W	X	X	X	-	X	X	X	-	-	-	-
46006*		40.9N	137.5W	X	X	+	-	X	X	X	-	-	-	-
46012		37.4N	122.7W	X	X	X	-	X	X	X	-	-	-	-
46013		38.2N	123.3W	X	X	X	-	X	X	X	-	-	-	-
46014		39.2N	124.0W	X	X	X	-	X	X	X	-	-	-	-
46022		40.7N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46023		34.3N	120.7W	X	X	X	-	X	X	X	-	-	-	-
46025		33.7N	119.1W	X	X	X	-	X	X	X	-	-	-	-
46026		37.7N	122.7W	X	X	X	-	X	X	X	-	-	-	-
46027		41.9N	124.4W	X	X	X	-	X	X	X	-	-	-	-
46028		35.8N	121.9W	+	+	+	-	+	+	+	-	-	-	-
46029		46.2N	124.2W	X	X	X	-	X	X	X	-	-	-	-
46030		40.4N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46035		57.0N	177.7W	X	X	X	-	X	X	X	-	-	-	-
46041		47.4N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46042		36.8N	122.4W	X	X	X	-	+	X	X	-	-	-	-
46045		33.8N	118.4W	X	X	X	-	X	X	X	-	-	-	-
46050		44.6N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46051		34.5N	120.7W	X	X	X	-	X	+	+	-	-	-	-
46053		34.2N	119.8W	X	X	X	-	X	X	X	-	-	-	-
46054		34.3N	120.4W	X	X	X	-	X	X	X	-	-	-	-
51001		23.4N	162.3W	X	X	X	-	X	X	X	-	-	-	-
51002		17.2N	157.8W	X	X	X	-	X	X	X	-	-	-	-
51003		19.1N	160.8W	X	X	X	-	X	X	X	-	-	-	-
51004		17.4N	152.5W	X	X	X	-	X	X	X	-	-	-	-
51026		21.4N	157.0W	X	X	X	-	X	X	X	-	-	-	-
52009		13.7N	144.7E	X	+	X	-	+	X	X	-	-	-	-

* Base funded station of National Weather Service (NWS); however, all stations report data to NWS
\+ Sensor/system failure

C. Information on operational status of elements of the surface-based sub-system *(continued)*

4. Automatic Marine Stations / 4.3 United States of America *(continued)*

4.3.2 Drifting Buoys

WMO buoy	ARGOS	Position: 16-17 Feb.1994		Observed or technical parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
32811	17170	38°S	090°W	.	+	X	-	X	.	.	.	-	-	-
32812	17171	24°S	120°W	.	X	X	-	X	.	.	.	-	-	-
32813	17172	30°S	103°W	.	+	X	-	X	.	.	.	-	-	-
32814	17161	31°S	101°W	.	+	X	-	X	.	.	.	-	-	-
33833	01974	33°S	012°W	.	X	X	-	X	.	.	.	-	-	-
33834	01979	34°S	002°E	.	X	X	-	X	.	.	.	-	-	-
33838	17163	36°S	013°W	.	+	X	-	X	.	.	.	-	-	-
33839	17164	39°S	025°W	.	+	X	-	X	.	.	.	-	-	-
33840	17165	42°S	014°W	.	+	X	-	X	.	.	.	-	-	-
33841	17166	36°S	008°W	.	+	X	-	X	.	.	.	-	-	-
33842	17167	47°S	028°E	.	+	X	-	X	.	.	.	-	-	-
53823	05131	08°S	114°E	.	+	X	-	+	.	.	.	-	-	-
54802	01993	31°S	138°W	.	X	X	-	X	.	.	.	-	-	-
54844	17168	35°S	119°W	.	+	X	-	X	.	.	.	-	-	-
56801	05130	31°S	048°E	.	X	X	-	X	.	.	.	-	-	-
56804	01977	44°S	113°E	.	X	X	-	X	.	.	.	-	-	-
56805	01990	51°S	133°E	.	X	X	-	X	.	.	.	-	-	-
56806	01984	30°S	089°E	.	X	X	-	X	.	.	.	-	-	-
56807	20716	12°S	121°E	.	X	X	-	X	.	.	.	-	-	-
74801	01982	63°S	065°E	.	X	X	-	X	.	.	.	-	-	-

4.6 United Kingdom of Great Britain and Northern Ireland

List of moored data buoys operated by the:

Operational Instrumentation Branch,
Meteorological Office,
Beaufort park,
Easthampstead,
WOKINGHAM
Berkshire RG11 3DN,
United Kingdom.

+ Sensor/system failure

C. Information on operational status of elements of the surface-based sub-system *(continued)*

4. Automatic Marine Stations / 4.6 United Kingdom of Great Britain and Northern Ireland *(continued)*

4.6.1 Moored Buoys *(including light vessels, islands and fixed platforms)*

WMO buoy	ARGOS	Position: February 1994		Observed or technical parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
03007*		60°35'N	01°16'W	X	X	-	-	-	-	-	X	-	X	-
03010*		59°05'N	04°24'W	X	X	X	X	-	-	-	X	-	X	-
03011*		59°10'N	05°50'W	X	X	X	X	-	-	-	X	-	X	-
03014*		60°07'W	02°04'W	X	X	X	X	-	-	-	X	-	X	-
03695*		51°40'N	01°06'E	X	X	X	X	-	-	-	X	-	X	-
62029		48°43'N	12°25'W	X	X	X	X	X	X	-	X	-	X	-
62081		51°00'N	13°20'W	X	X	X	X	X	X	-	X	-	X	-
62101		50°37'N	02°44'W	X	X	X	X	X	-	-	X	-	X	-
62103**		49°55'N	02°53'W	X	X	X	X	X	X	-	X	-	X	X
62105		55°59'N	14°11'W	X	X	X	X	X	X	-	X	-	X	-
62108		53°12'N	15°04'W	X	X	X	X	X	X	-	X	-	X	-
62112*		58°42'N	01°17'E	X	X	X	X	-	-	-	X	-	X	-
62118*		57°45'N	00°55'E	X	X	X	X	-	-	-	X	-	X	-
62124*		54°35'N	01°26'E	X	X	X	X	-	-	-	X	-	X	-
62126*		58°51'N	03°35'W	X	X	X	X	-	-	-	X	-	X	-
62129*		53°03'N	02°14'E	X	X	X	X	-	-	X	X	-	X	-
62301		52°10'N	05°05'W	X	X	X	X	X	-	-	X	-	X	-
62302		54°08'N	03°37'W	X	X	X	X	X	-	-	X	-	X	-
62304**		51°00'N	01°47'E	X	X	X	X	X	X		X	-	X	X
63103*		61°14'N	01°09'E	X	X	X	X	-	-	-	X	-	X	-
63111*		59°33'N	01°32'E	X	X	X	X	-	-	X	X	-	X	-

4.6.2 Drifting Buoys

WMO buoy	ARGOS	Position: February 1994		Observed or technical parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
25013	4065+	82.7N	98.3E	-	X	X	X	-	-	-	-	-	-	-
44743	1370	35.3N	39.6W	-	X	-	-	-	-	-	-	-	-	-
44760	1374	35.3N	40.9W	-	-	X	-	X	-	-	-	-	-	-
44765	1255	27.3N	51.5W	-	-	X	-	X	-	-	-	-	-	-
44772	2960	58.5N	33.7W	-	X	X	X	X	-	-	-	-	-	-
44778	1259	62.5N	14.9W	-	X	X	X	X	-	-	-	-	-	-
44779	1260	57.4N	15.6W	-	X	X	X	X	-	-	-	-	-	-
62711	1258	61.7N	15.8W	-	X	X	X	X	-	-	-	-	-	-
62524	4625	37.0N	21.7W	-	X	X	X	X	-	-	-	-	-	-

* Fixed platforms or islands
** Automatic light vessels
\+ Ice drifter

C. Information on operational status of elements of the surface-based sub-system *(continued)*

5. ARGOS service

5.1 ARGOS monthly status report

Date of statistics computation : 1 February 1994

•Reports handled by ARGOS Service (list of monthly collected ARGOS platforms sorted by type of platform)

Drifting Buoys	:	1191
Boats (<20knots)	:	-
Marine Stations	:	3
Moored Buoys	:	306
Terrestrial Animals	:	100
Marine Animals	:	97
Balloons	:	13
Birds	:	-
Fixed Stations	:	421
TOTAL	:	2131

•Reports for insertion into the GTS (list of monthly collected GTS platforms on every GTS site sorted by type of platform)

Transmission to RTH Paris:

Boat (less than 20 knots)	:	4
Drifting Buoys	:	107
Fixed Stations	:	8
Marine Stations	:	3
Moored Buoys	:	1
Synoptic PTT		1

Transmission to NWS Washington:

Drifting Buoys	:	550
Fixed Stations	:	4
High Speed	:	2
Moored Buoys	:	64

•GTS coding statistics of platforms reporting through ARGOS and distributed over the GTS

DRIFTER =	137985
SHIP =	861
SYNOP =	2830
TOTAL:	141676

C. Information on operational status of elements of the surface-based sub-system *(continued)*

8. Feed-back from Members to the Secretariat on any changes in the observing network

In view of the difficulties experienced at present in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations but not reaching their NMCs, the ninth session of the CBS Advisory Working Group recommended that a special table be added to the WWW monthly "OPERATIONAL *NEWSLETTER*" to serve as feed-back from Members to the Secretariat on any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

The special table, accompanied by explanatory notes (see Appendix, pages 1 and 2) is attached at the end of this annex. Members are urged to fill in this appendix, as and when appropriate, and to return it to the Secretariat before the 1st of each month to enable changes to be included in the next "OPERATIONAL *NEWSLETTER*"

FEED-BACK FROM MEMBERS TO THE SECRETARIAT ON ANY CHANGES IN THE OBSERVING NETWORK

(Explanatory Notes overleaf)

Global Exchange / Regional Exchange *(delete as appropriate)* **Country:** _____

Station Index Number	Bulletin Identification TTAAii CCCC	Implementation of Observing Programme								Alternate Observing Station	Remarks
		00	03	06	09	12	15	18	21		
1. SYNOP											
2. TEMP											
3. PILOT											

FEED-BACK FROM MEMBERS TO THE SECRETARIAT ON ANY CHANGES IN THE OBSERVING NETWORK

Explanatory Notes

1. Separate tables should be prepared for global exchange and regional exchange respectively. These tables should contain information concerning any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations given in Attachment I-4 of the *Manual on the GTS*, Volume I for global exchange and, as applicable, Attachments AF-I, AI-1, SA-1, NA-1, PS-1 and EU-1 of the *Manual on the GTS*, Volume II for regional exchange.

2. For entries in these tables, the following should be taken into account:

   (a) In the column *"Station index number"*, the index number (IIiii) of each station should be entered in case of any changes in the observing programmes of the stations;

   (b) In the column *"Bulletin identification"*, the TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;

   (c) In the column *"Implementation of observing programme"*, "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, this should be marked in red;

   (d) In the column *"Alternate observing station"*, the index number (IIiii) of an alternate observing station should be inserted in case another station is available with a view to filling gaps which are caused by suspension of observing programmes of the original station;

   (e) The required information concerning the observing programme of the alternate station should be inserted in the next horizontal line of the original station;

   (f) In the column *"Remarks"*, reasons of temporary suspension of observing programmes and an expected date of resumption of the programmes should be given as far as possible. Non-standard collection and/or distribution times should also be included.

3. These tables should be sent to the Secretariat **before the 1st of the month** for inclusion in the "OPERATIONAL *NEWSLETTER*", as appropriate.

Annex III
GLOBAL TELECOMMUNICATION SYSTEM

C. INFORMATION ON THE OPERATION OF THE GTS

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)

1.5 Bulletins for oceanographic data

Notification from the Data Buoy Co-operation Panel

List of bulletin headers used for GTS distribution of buoy data

• Buoy data inserted on the GTS from the US Argos Global Processing Center of Landover (USGPC)

Bulletins are routed to the National Weather Service, Washington-DC, and actually distributed globally from this source.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX04	KARS	North Atlantic Ocean
SSVX06	KARS	Northern Hemisphere
SSVX10	KARS	Southern Hemisphere
SSVX12	KARS	Arctic Ocean
SSVX14	KARS	Antarctic area
SSVX16	KARS	Specific experiments. Buoys from various ocean area
SSVX40	KARS	ATLAS moored buoys in the Equatorial Pacific ocean
SSVX96	KARS	Specific experiment conducted by the NDBC

• Buoy data inserted on the GTS from the National Data Buoy Center

Based on GTS bulletins directly received from the US Argos Global Processing Center of Landover (USGPC). The National Data Buoy Center (NDBC, Mississippi, USA) operates quality control procedures and re-inserts the bulletins through the National Weather Service, Washington DC, for global GTS distribution.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX02	KWBC	Southern Hemisphere
SSVX08	KWBC	Northern Hemisphere

C. Information on the operation of the GTS *(continued)*

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I) / 1.5 Bulletins for oceanographic data *(continued)*

• Buoy data inserted on the GTS from the Joint Ice Center

Based on raw data directly received from the US Argos Global Processing Center of Landover (USGPC). The Navy/NOAA Joint Ice Center (JIC, Washington DC, USA) composes GTS bulletins and inserts these onto the GTS through the National Weather Service gateway, Washington DC, for global distribution.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX18	KWBC	Arctic Ocean

• Buoy data inserted on the GTS from the French Argos Global Processing Center of Toulouse (FRGPC)

Bulletins are routed to the Service Central d'Exploitation de la Météorologie (SCEM of Météo-France, Toulouse) for global GTS distribution from this source.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX01	LFPW	North Atlantic Ocean
SSVX03	LFPW	Southern Hemisphere
SSVX05	LFPW	Northern Hemisphere
SSVX07	LFPW	Arctic Ocean
SSVX09	LFPW	Antarctic area

• Buoy data inserted on the GTS from the Centre de Météorologie Marine of Météo-France (CMM, Brest)

Based on raw data directly received from the French Argos Global Processing Center (FRGPC), the CMM composes GTS bulletins and inserts these onto the GTS via the Service Central d'Exploitation de la Météorologie (SCEM of Météo-France, Toulouse) for global distribution.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX51	LFPW	North Atlantic Ocean
SSVX55	LFPW	Equatorial Pacific Ocean

• Buoy data processed at the Oslo Local User Terminal (LUT)

Bulletins are routed to the Norwegian Meteorological Institute, Oslo, for global distribution.

$T_1T_2A_1A_2ii$		Approximate region of deployment or Programme
SSVX01	ENMI	North Atlantic Ocean (for the EGOS Programme)

C. Information on the operation of the GTS *(continued)*

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I) / 1.5 Bulletins for oceanographic data *(continued)*

• Buoy data processed at the Sondre Stromfjord (Greenland) Local User Terminal (LUT)

Bulletins are distributed on the GTS from this source. The LUT is operate by the Danish Meteorological Institute.

$T_1T_2A_1A_2ii$	Approximate region of deployment or Programme
SSVX01 BGSF	North Atlantic Ocean (for the EGOS Programme)

• Buoy data processed at the Halifax Local User Terminal (LUT)

Bulletins are routed to the Atmospheric Environment Service (AES, Toronto, Canada), and actually distributed globally from this source.

$T_1T_2A_1A_2ii$	Approximate region of deployment or Programme
SSVX01 CWHX	North Atlantic Ocean

• Buoy data processed at the Edmonton Local User Terminal (LUT)

Bulletins are routed to the Atmospheric Environment Service (AES, Edmonton, Canada), and actually distributed globally from this source.

$T_1T_2A_1A_2ii$	Approximate region of deployment or Programme
SSVX02 CWEG	Arctic Ocean
SSVX03 CWEG	Atlantic Ocean
SSVX04 CWEG	North-east Pacific Ocean

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)

2.3 Changes in schedules/technical specifications

• Notification from Japan

That there is a new schedule for TOKYO (JMH) radio-facsimile broadcast effective 1.2.1994. The changes will be issued shortly in the supplement to Volume C.

C. Information on the operation of the GTS *(continued)*

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)/ 2.3 Changes in schedules/technical specifications *(continued)*

- **Notification from Italy**

Of the following changes to ROMA radio-facsimile broadcast, effective 23.12.1994:

Call sign Indicatif d'appel	Frequency Fréquence	Class of emission Catégorie d'émission	Band width Largeur de bande	Power supplied to the antenna Puissance fournie à l'antenne
IMB 51	4 777,5 kHz	F3C	(white/blanc +400 Hz) (black/noir -400 Hz)	5 kW
IMB 55	8 146,6 kHz			
IMB 56	13 597,5 kHz			

The changes in the contents will be issued shortly in the supplement to Volume C.

Annex V
MARINE METEOROLOGICAL SERVICE (MMS) AND RELATED OCEANOGRAPHIC ACTIVITIES SYSTEM

C. INFORMATION ON MARINE METEOROLOGICAL SERVICES

1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

1.3 Changes in schedules/technical specifications

- **Notification from Japan**

That there is a new schedule for TOKYO (JMH) radio-facsimile broadcast effective 1.2.1994. The changes will be issued shortly in the supplement service to Volume D.

- **Notification from Italy**

Of the following changes to ROMA radio-facsimile broadcast, effective 23.12.1994:

Call sign Indicatif d'appel	Frequency Fréquence	Class of emission Catégorie d'émission	Band width Largeur de bande	Power supplied to the antenna Puissance fournie à l'antenne
IMB 51	4 777,5 kHz	F3C	(white/blanc +400 Hz)	5 kW
IMB 55	8 146,6 kHz			
IMB 56	13 597,5 kHz		(black/noir -400 Hz)	

The changes in the contents will be issued shortly in the supplement to Volume D.

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PART A

WMO CATALOGUE OF RADIOSONDES

AND

UPPER-AIR WIND SYSTEMS IN USE BY MEMBERS

1993

Information taken from *"Instruments and Observing Methods"* - Report No. 56
prepared by

Mr. T. OAKLEY
(Rapporteur on radiosonde compatibility monitoring)

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1. INTRODUCTION

Detailed analysis and interpretation of observations from upper-air stations requires accurate and up to date information on the radiosondes and ground equipment being used at each station. Information on the radiation corrections applied to temperature observations, other local practices, e.g. whether a mixture of radiosondes are used, is also necessary. Hence, at CIMO-X it was agreed that the Rapporteur for Compatibility of Radiosonde Geopotential Measurements would be tasked to maintain and update a directory of Upper-Air stations. This would then be published as the ***"WMO Catalogue of Radiosondes and Upper Wind Systems in Use by Members"*** at the same time as the final Rapporteur's report.

The last WMO publication of an Upper-Air station catalogue was published in April 1989 as an Appendix to the "***Instruments and Observing Methods***" Report No. 36. This list was used as the basis of the new catalogue. To update this list it was decided that the relevant entries would be sent to each WMO member country. These were accompanied by a letter explaining the importance of an accurate and detailed upper-air catalogue and requesting that the entries be updated (as necessary) and returned to the Rapporteur. This approach proved very successful with returns by the beginning of 1993 covering approximately 85% of the global upper-air network (compared with 50% returns from previous questionnaires).

Information from this updated catalogue is listed in Tables 1 and 2.

2. SUMMARY OF CATALOGUE TABLES 1 and 2

Tables 1 and 2 provide detailed listings of radiosondes types, windfinding equipment, ground systems, radiation corrections etc. for all the stations in the global upper-air network. Although much time has been spent checking the validity and accuracy of the data this cannot of course be guaranteed. The information given represents upper-air operations at the beginning of 1993, however known changes since this date have also been included.

3. UPDATING THE CATALOGUE

If any Member should find that the information given in this report is incorrect or has changed, please fill in the attached form: ***"Feed-Back from Members to the Secretariat on any changes in the WMO Catalogue of Radiosondes and Upper Wind Systems in Use by Members"*** to the WMO Secretariat at the address given below. To provide you with a speedier service we request that notification of changes be sent to us on diskette, in ASCII format, when possible.

WORLD METEOROLOGICAL ORGANIZATION
Secretariat,
WWW/OPI
41, avenue Giuseppe Motta
P.O. Box 2300
CH-1211 GENEVA
Switzerland

It would also be helpful if this information could be copied to:

Mr. T. Oakley,
Rapporteur - United Kingdom
U.K. Meteorological Office (OP),
London Road,
Bracknell,
BERKS RG12 2SZ
United Kingdom

Guidelines on the information/abbreviations used are as follows:

Table 1 - Upper-air stations and radiosonde types

- ***Index number:*** Country number + Station number given in ascending order
- ***Latitude:*** Latitude of the station in degrees, minus indicates degrees South
- ***Longitude:*** Longitude of the station in degrees, minus indicates degrees West
- ***Height metres:*** Station height in metres above mean sea level (MSL)
- ***SONDE - regular type used:*** Radiosonde type in regular use *(see Table A below)*
- ***SONDE - Alternative type used:*** Alternative radiosonde used, if applicable *(see Table A below)*

Description of Radiosonde type used in Tables 1 and 2

SONDE	Description	SONDE	Description
Blank	Unknown	MRZ-T	AVK prototype system
A-22	Malahit system (former USSR)	MSS	Space Data Corp. (USA)
AIR	Air intellisonde, AIR inc. (USA)	ML-SR	Meteolabor (Switzerland)
ELIN	ELIN (Austria)	SDC	Space Data Corp. (USA)
IM-MK3	Indian Met. Services Mark 3	SHANG	Shanghai Radio (China)
J/YANG	Jinyang radiosonde (VIZ type)	VAL	Valcom (VIZ type-Canada)
MARS or MET	Meteorit 1 or 2 system (former USSR)	VIZ	V.I.Z (USA)
MEISEI	MEISEI (Japan)	VIZB	V.I.Z. (USA)
MES	Mesural (French)	VRS80	Vaisala RS80 radiosonde (PTU, LORAN or Omega)
MRZ	AVK system (former USSR)		

Table A

- ***PROGRAM - TEMP:*** Nominal times of TEMP soundings. (i.e. 00 = 00 UTC)
- ***PROGRAM - PILOT:*** Nominal times of PILOT soundings (i.e. 18 + UTC)
- ***DATE (month/year):*** Date (month/year) at which information was last updated

Table 2 - Upper-air ground systems and windfinding equipment

SONDE - frequency MHz: Radiosonde transmitter frequency
RADIATION - correction: Whether a radiation correction is applied (Y=Yes, N=No)
RADIATION - correction type: If radiation correction applied, type identification if known *(see Table B below)*

Radiation correction type

Correction Type	Description
V82	Vaisala RS80 radiation correction 1982
V86	Vaisala RS80 radiation correction 1986
V93	Vaisala RS80 radiation correction 1993
NIR	Vaisala RS80 solar correction (86) but no Infra-Red correction
? with above	Some doubt concerning accuracy

Table B

Feed-Back from Members to the Secretariat on any changes in the

WMO CATALOGUE OF RADIOSONDES AND UPPER WIND SYSTEMS IN USE BY MEMBERS

Country: _____ **Date:** _____

WMO Index Number	Name of Station	Technical authority over station	DEGREES		Height metres	PROGRAM		SONDE			RADIATION		Ground equipment used	WINDFINDING	
			Latitude - = S	Longitude - = W		TEMP Program	PILOT Program	regular type used	alternative type used	frequency MHz	correction Y=Yes/N=No	correction type		system used	equipment used

Table 1

UPPER-AIR STATIONS

AND

RADIOSONDE TYPES

1993

Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	01001	Jan Mayen	Norway	Norway	70.93	-8.67	9	0012		VRS80N		02/93
VI	01028	Bjornoya	Norway	Norway	74.52	19.02	18	0012		VRS80N		02/93
VI	01152	Bodo	Norway	Norway	67.26	14.37	20	0012		VRS80N		02/93
VI	01241	Orland	Norway	Norway	63.70	9.60	10	0012		VRS80N		02/93
VI	01384	Oslo/Gardermoen	Norway	Norway	60.20	11.10	201	0012		VRS80N		02/93
VI	01415	Stavanger/Sola	Norway	Norway	58.88	5.63	14	0 012		VRS80N		02/93
VI	02185	Lulea/Kallax	Sweden	Sweden	65.55	22.13	34	0012	0618	VRS80		01/93
VI	02225	Ostersund/Froson	Sweden	Sweden	63.18	14.50	366	IRREG	IRREG	VRS80		01/93
VI	02365	Sundsvall-Harnosand	Sweden	Sweden	62.53	17.45	6	0012	0618	VRS80N		01/93
VI	02465	Stockholm/Bromma	Sweden	Sweden	59.35	17.95	22	0012	0618	VRS80N		01/93
VI	02527	Goteburg/Landvetter	Sweden	Sweden	57.67	12.30	155	0012	0618	VRS80N		01/93
VI	02544	Karlsborg	Sweden	Sweden	58.52	14.53	102	IRREG	IRREG	VRS80		01/93
VI	02591	Visby Aerologiska	Sweden	Sweden	57.65	18.35	47	0012	0618	VRS80		01/93
VI	02836	Sondankyla	Finland	Finland	67.37	26.65	179	0012		VRS80N		12/92
VI	02935	Jyvaskyla	Finland	Finland	62.40	25.68	145	0012		VRS80N		12/92
VI	02963	Jokioinen	Finland	Finland	60.82	23.50	103	0012		VRS80N		12/92
VI	03005	Lerwick	United Kingdom	UK Met. Office METOP	60.13	-1.18	84	0012	0618	VRS80		09/93
VI	03026	Stornoway	United Kingdom	UK Met. Office METOP	58.22	-6.32	13	0012	0618	VRS80		09/93
VI	03170	Shanwell (closed)	United Kingdom	UK Met. Office METOP	56.43	-2.87	5	0012	0618	VRS80		03/92
VI	03213	Eskmeals	United Kingdom	UK Met. Office METDS	54.32	-3.40	9	IRREG	IRREG	VRS80L		09/93
VI	03240	Boulmer	United Kingdom	UK Met. Office METOP	55.41	-1.60	75	00061218		VRS80L		09/93
VI	03322	Aughton	United Kingdom	UK Met. Office METOP	53.55	-2.92	56	00061218		VRS80L		09/93
VI	03496	Hemsby	United Kingdom	UK Met. Office METOP	52.68	1.68	14	0012	0618	VRS80	VRS80L	09/93
VI	03502	Aberporth	United Kingdom	UK Met. Office METDS	52.13	-4.57	134	IRREG	IRREG	VRS80		09/93

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	03693	Shoeburyness	United Kingdom	UK Met. Office METDS	51.55	0.83	3	IRREG	IRREG	VRS80		09/93
VI	03743	Larkhill	United Kingdom	UK Met. Office METDS	51.20	-1.80	133	IRREG	IRREG	VRS80		09/93
VI	03763	Beaufort Park	United Kingdom	UK Met. Office METOI	51.38	-0.78	74	IRREG	IRREG	VRS80		10/92
VI	03774	Crawley (closed)	United Kingdom	UK Met. Office METOP	51.08	-0.22	144	0012	0618	VRS80		09/92
VI	03808	Camborne	United Kingdom	UK Met. Office METOP	50.22	-5.32	88	0012	0618	VRS80		09/93
VI	03882	Herstmonceux	United Kingdom	UK Met. Office METOP	50.90	0.33	54	00061218		VRS80L		09/93
VI	03920	Long Kesh	United Kingdom	UK Met. Office METOP	54.48	-6.10	38	00061218		VRS80L		09/93
VI	03953	Valentia	Eire	Irish Met. Service	51.93	-10.25	14	0012	18	VRS80N		01/93
VI	04018	Keflavik	Iceland	US Air Force?	63.97	-22.60	38	0012		VRS80N		12/92
VI	04202	Thule Airforce Base	Greenland	US Air Force	76.52	-68.83	59	0012		MSS		12/92
VI	04220	Egedesminde	Greenland	Denmark	68.70	-52.75	40	0012		VRS80N		12/92
VI	04270	Narssarssuaq	Greenland	Denmark	61.18	-45.43	4	0012		VRS80N		12/92
VI	04320	Danmarkshavn	Greenland	Denmark	76.77	-18.77	11	0012		VRS80N		12/92
VI	04339	Scoresbysund	Greenland	Denmark	70.48	-21.97	65	0012		VRS80N		12/92
VI	04360	Angmagssalik	Greenland	Denmark	65.60	-37.63	50	0012		VRS80N		12/92
VI	06011	Thorshavn	Denmark (Faroe Is.)	Denmark	62.02	-6.77	55	0012		VRS80N		12/92
VI	06030	Alborg	Denmark	Denmark	57.10	9.87	3	06		VIZ		12/92
VI	06181	Kobenhavn	Denmark	Denmark	55.77	12.52	40	001 2	0618	VRS80N		12/92
VI	06260	de Bilt	Netherlands	Netherlands	52.10	5.18	4	00061218		VRS80N		12/92
VI	06447	Uccle	Belgium	Belgium	50.80	4.35	104	0012		VRS80N		12/92
VI	06476	St-Hubert	Belgium	Belgium	50.03	5.40	557	0012		VRS80N		12/92
VI	06496	Elsenborn	Belgium	Belgium	50.47	6.18	570	IRREG	IRREG			12/92
VI	06610	Payerne	Switzerland	Switzerland	46.82	6.95	491	0012	0618	ML-SRS		12/92
VI	07110	Brest	France	France	48.45	-4.42	103	0012		VRS80L		12/92

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VI	07145	Trappes	France	France	48.77	2.02	168	0012		VRS80L		12/92
VI	07180	Nancy/Essey	France	France	48.68	6.22	217	001 2		VRS80L		12/92
VI	07481	Lyon/Satolas	France	France	45.73	5.08	240	00 12		VRS80L		12/92
VI	07510	Bordeaux/Merignac	France	France	44.83	-0.70	61	0012		VRS80L		12/92
VI	07645	Nimes/Courbessac	France	France	43.87	4.40	62	0012		VRS80L		12/92
VI	07761	Ajaccio	France	France	41.92	8.80	9	0012		VRS80L		12/92
VI	08001	La Coruna	Spain	Spain	43.37	-8.42	67	0012		VRS80N		12/92
VI	08023	Santander	Spain	Spain	43.47	-3.82	65	0012		VRS80N		12/92
VI	08160	Zaragoza A/P	Spain	Spain	41.67	-1.02	258	0012		VRS80N		12/92
VI	08221	Madrid	Spain	Spain	40.47	-3.58	633	0012		VRS80N		12/92
VI	08301	Palma de Mallorca	Spain	Spain	39.55	2.61	6	0012		VRS80N		12/92
VI	08430	Murcia	Spain	Spain	38.00	-1.17	62	0012		VRS80N		12/92
VI	08495	Gibraltar	Gibraltar	UK Met. Office METDS	36.15	-5.33	4	0012	0618	VRS80N		09/93
VI	08508	Lajes	Portugal (Acores)	Portugal	38.73	-27.07	54	0012		VRS80N		12/92
I	08522	Funchal	Portugal (Madeira)	Portugal	32.63	-16.90	56	0012		VRS80N		12/92
VI	08579	Lisboa/Gago Coutinho	Portugal	Portugal	38.77	-9.13	104	0012		VRS80N		12/92
I	08594	Sal	Cape Verde Isls.	USA?	16.73	-22.95	55	0012		VIZ		12/92
VI	10035	Schleswig	Germany	Germany	54.53	9.55	48	0012	0618	VRS80		01/93
VI	10046	Kiel-Kronshagen	Germany	Germany	54.38	10.15	31	IRREG	IRREG			01/93
VI	10184	Greifswald	Germany	Germany	54.10	13.38	6	00061218		VRS80N		01/93
VI	10200	Emden-Konigspolder	Germany	Germany	53.35	7.22	5	0012	0618	VRS80		01/93
VI	10238	Bergen	Germany	Germany	52.82	9.93	69	IRREG	IRREG			01/93
VI	10304	Meppen	Germany	Germany	52.72	7.32	26	IRREG	IRREG			01/93
VI	10338	Hannover	Germany	Germany	52.47	9.70	55	0012	0618	VRS80		01/93

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	10384	Berlin-Tempelhof	Germany	Germany	52.47	13.40	46	IRREG	IRREG			01/93
VI	10393	Lindenberg	Germany	Germany	52.22	14.12	115	00061218		VRS80		01/93
VI	10410	Essen	Germany	Germany	51.40	6.97	153	0012	0618	VRS80		01/93
VI	10437	Fritzlar-Kasselerw	Germany	Germany	51.13	9.28	223	IRREG	IRREG			01/93
VI	10486	Wahnsdorf	Germany	Germany	51.12	13.68	232	0012	0618	VRS80		01/93
VI	10548	Meiningen	Germany	Germany	50.55	10.37	453	000612	18	VRS80		01/93
VI	10618	Idar-Oberstein	Germany	Germany	49.70	7.33	377	0012	0618	VRS80		01/93
VI	10739	Stuttgart	Germany	Germany	48.83	9.20	315	0012	0618	VRS80		01/93
VI	10771	Garmersdorf	Germany	Germany	49.43	11.90	418	0012	0618	VRS80		01/93
VI	10868	Munchen	Germany	Germany	48.25	11.55	489	0012	0618	VRS80		01/93
VI	10921	Neuhausen Ob Eck	Germany	Germany	47.98	8.90	804	IRREG	IRREG			01/93
VI	10962	Hohenpeissenberg	Germany	Germany	47.80	11.02	986	IRREG	IRREG			01/93
VI	11011	Linz/Hoersching	Austria	Austria	48.24	14.18	298	06		ELIN		12/92
VI	11035	Wien/Hohe Warte	Austria	Austria	48.25	16.37	200	0012	0618	ELIN		12/92
VI	11240	Graz/Thalerhof	Austria	Austria	47.00	15.43	340	06		ELIN		12/92
VI	11520	Praha-Libus	Czech	Czechoslovakia	50.02	14.45	304	00061218		VRS80N		12/92
VI	11952	Poprad/Ganovce	Slovakia	Czechoslovakia	49.03	20.32	706	000612	18	VRS80N	MARS	12/92
VI	12120	Leba	Poland	Poland	54.77	17.57	2	0012		VRS80N		01/93
VI	12330	Poznan (closed)	Poland	Poland	52.42	16.83	92					01/93
VI	12374	Legionowo	Poland	Poland	52.40	20.97	96	0012	06	VRS80N	MARS	01/93
VI	12425	Wroclaw	Poland	Poland	51.12	16.88	122	0012		VRS80N		01/93
VI	12843	Budapest/Lorinc	Hungary	Hungary	47.43	19.18	139	0012		VRS80N		01/93
VI	12982	Szeged	Hungary	Hungary	46.25	20.10	83	0012		MARS		01/93
VI	13130	Zagreb/Maksimir	X-Yugoslavia	X-Yugoslavia	45.82	16.03	128	0012	0618	VIZ		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	13275	Beograd	X-Yugoslavia	X-Yugoslavia	44.77	20.42	203	00		VRS80N		12/92
VI	15120	Cluj-Napoca	Romania	Romania	46.78	23.57	413	0012	0618	VRS80N		12/92
VI	15420	Bucaresti/Imh	Romania	Romania	44.50	26.13	91	0012	0618	VRS80N		12/92
VI	15480	Constanta	Romania	Romania	44.22	28.63	14	0012	0618	A-22		12/92
VI	15614	Sofia (Observ.)	Bulgaria	Bulgaria	42.82	23.38	591	000612		MARS		12/92
VI	15730	Kurdjali (closed)	Bulgaria (closed)	Bulgaria (closed)	41.63	25.40	331			MARS		12/92
VI	16044	Udine/Campoformido	Italy	Italy	46.03	13.18	94	0012	0618	VRS80N		
VI	16080	Milano/Linate	Italy	Italy	45.43	9.28	103	00061218		VRS80N		
VI	16144	S. Pietro (Bologna)	Italy	Italy	44.65	11.38	0	0012		VRS80N		
VI	16245	Pratica di Mare	Italy	Italy	41.65	12.43	12	00061218		VRS80N		
VI	16320	Brindisi	Italy	Italy	40.65	17.95	10	00061218		VRS80N		
VI	16429	Trapani/Birgi	Italy	Italy	37.92	12.50	14	0012	0618	VRS80N		
VI	16560	Cagliari/Elmas	Italy	Italy	39.25	9.05	18	00061218		VRS80N		
VI	16622	Thessaloniki/Mikra	Greece	Greece	40.52	22.97	4	12		VRS80N		12/92
VI	16716	Athens (Hellinikon)	Greece	Greece	37.90	23.73	15	0012	0618	VRS80N		12/92
VI	16754	Heraklion	Greece	Greece	35.33	25.18	39	12	0618	VRS80N		12/92
VI	17030	Samsun	Turkey	Turkey	41.28	36.33	4	0012		VRS80	VIZ	12/92
VI	17062	Istanbul/Goztepe	Turkey	Turkey	40.97	29.08	40	0012		VRS80	VIZ	12/92
VI	17130	Ankara/Central	Turkey	Turkey	39.95	32.88	894	0012		VRS80	VIZ	12/92
VI	17220	Izmir/Guzelyali	Turkey	Turkey	38.43	27.17	25	0012		VRS80	VIZ	12/92
VI	17240	Isparta	Turkey	Turkey	37.75	30.55	997	0012		VRS80	VIZ	12/92
VI	17280	Diyarbakir	Turkey	Turkey	37.88	40.18	677	0012		VRS80	VIZ	12/92
VI	17352	Adana	Turkey	Turkey	36.98	35.30	20	0012		VRS80	VIZ	12/92
VI	17607	Athalassa	Cyprus	Cyprus	35.15	33.40	161	12	06	VIZ		12/92

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II	20046	Gmo Im. E.T. Krenkelja	Russia	Russia	80.62	58.05	20	0012		MRZ		12/92
2	20069	Ostrov Vize	Russia	Russia	79.50	76.98	12	0012		MARS		12/92
6	20107	Barencburg	Russia	Russia	78.07	14.15	75	0012		MRZ		12/92
2	20274	Ostrov Uedinenija	Russia	Russia	77.50	82.23	22	0012		MARS		12/92
II	20292	Gmo Im. E.K. Federova	Russia	Russia	77.72	104.28	15	0012		MRZ		12/92
II	20353	Mys Zelanija	Russia	Russia	76.95	68.58	11	0012		MARS		12/92
II	20667	M.V. Popova	Russia	Russia	73.20	70.02	7	0012		MARS		12/92
II	20674	Ostrov Dikson	Russia	Russia	73.50	80.23	47	0012		MARS		12/92
II	20744	Malye Karmakuly	Russia	Russia	72.38	52.73	19	0012		MARS		12/92
II	20891	Hatanga	Russia	Russia	71.98	102.47	26	0012		MRZ		12/92
II	21358	Ostrov Zohova	Russia	Russia	76.15	152.83	21	0012		MARS		12/92
II	21432	Ostrov Kotel'nyj	Russia	Russia	76.00	137.90	22	0012		MARS		12/92
II	21504	Ostrov Preobrazenija	Russia	Russia	74.67	112.93	34	0012		MRZ		12/92
II	21647	Mys Shalaurova	Russia	Russia	73.18	143.93	20	0012		MARS		12/92
II	21824	Tiksi	Russia	Russia	71.58	128.92	4	0012		MRZ		12/92
VI	21946	Cokurdah	Russia	Russia	70.37	147.53	61	0012		MRZ		12/92
II	21965	Ostrov Cetyreh-Stol.	Russia	Russia	70.63	162.40	41	0012		MARS		12/92
II	21982	Ostrov Vrangelja	Russia	Russia	70.97	-178.53	3	0012		MARS		12/92
VI	22113	Murmansk	Russia	Russia	68.97	33.05	121	0012		MRZ		12/92
VI	22217	Kandalaksa	Russia	Russia	67.13	32.43	26	0012		MRZ		12/92
VI	22271	Shoina	Russia	Russia	67.88	44.13	10	0012		MARS		12/92
VI	22522	Kem'-Port	Russia	Russia	64.98	34.78	8	0012		A-22		12/92
VI	22550	Arhangel'sk	Russia	Russia	64.58	40.50	4	0012		MRZ		12/92
II	22845	Kargopol	Russia	Russia	61.30	38.56	126	0012		MRZ		12/92

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II	23022	Amderma	Russia	Russia	69.77	61.68	55	0012		MRZ		12/92
II	23205	Nar'jan-Mar	Russia	Russia	67.65	53.02	6	0012		MRZ		12/92
II	23330	Salehard	Russia	Russia	66.53	66.53	16	0012		MARS		12/92
II	23418	Pechora	Russia	Russia	65.12	57.10	61	0012		MARS		12/92
II	23472	Turuhansk	Russia	Russia	65.78	87.95	38	0012		MRZ		12/92
II	23552	Tarko-Sale	Russia	Russia	64.92	77.82	27	0012		MARS		12/92
II	23804	Syktyvkar	Russia	Russia	61.67	50.85	116	0012		MRZ		12/92
II	23884	Bor	Russia	Russia	61.60	90.00	58	0012		MRZ		12/92
II	23921	Ivdel'	Russia	Russia	60.68	60.43	95	0012		MRZ		12/92
II	23933	Hanty-Mansijsk	Russia	Russia	60.97	69.07	44	0012		MARS		12/92
II	23955	Aleksandrovskoe	Russia	Russia	60.43	77.87	48	0012		MRZ		12/92
II	24125	Olenek	Russia	Russia	68.50	112.43	203	0012		MRZ		12/92
II	24266	Verhojansk	Russia	Russia	67.55	133.38	137	0012		MRZ		12/92
II	24343	Zigansk	Russia	Russia	66.77	123.40	80	0012		MRZ		12/92
II	24507	Tura	Russia	Russia	64.17	100.07	186	0012		MRZ		12/92
II	24641	Viljujsk	Russia	Russia	63.77	121.62	107	0012		MRZ		12/92
II	24688	Ojmjakon	Russia	Russia	63.27	143.15	770	0012		MRZ		12/92
II	24817	Erbogachen	Russia	Russia	61.27	108.02	291	0012		MRZ		12/92
II	24908	Vanavara	Russia	Russia	60.33	102.27	260	0012		MARS		12/92
II	24944	Olekminsk	Russia	Russia	60.40	20.42	135	0012		MRZ		12/92
II	24959	Jakutsk	Russia	Russia	62.08	129.75	99	001218		MRZ		12/92
II	25123	Cerskij	Russia	Russia	68.80	161.28	26	0012		MRZ		12/92
II	25173	Mys Shmidta	Russia	Russia	68.92	-179.48	5	0012		MARS		12/92
II	25399	Mys Uelen	Russia	Russia	66.17	-169.83	6	0012		MRZ		12/92

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II	25400	Zvbjanka	Russia	Russia	65.44	150.54	43	0012		MRZ		12/92
II	25551	Markovo	Russia	Russia	64.68	170.42	26	0012		MARS		12/92
II	25563	Anadyr'	Russia	Russia	64.78	177.57	6	0012		MARS		12/92
II	25677	Beringskovkaja	Russia	Russia	63.05	179.32	82	0012		MRZ		12/92
II	25703	Seimchan	Russia	Russia	62.92	152.42	207	0012		MRZ		12/92
II	25913	Magadan	Russia	Russia	59.58	150.78	117	0012		MRZ		12/92
II	25954	Korf	Russia	Russia	60.35	166.00	4	0012	0618	MRZ		12/92
VI	26038	Tallin	Estonia	Estonia	59.38	24.58	37	0012		VRS80		01/93
VI	26063	Leningrad (Vdyeykova)	Russia	Russia	59.97	30.30	76	0012		MRZ		12/92
VI	26258	Pskov	Russia	Russia	57.83	28.35	44	0012		MARS		12/92
VI	26298	Bologoe	Russia	Russia	57.90	34.05	186	0012		MRZ		12/92
VI	26422	Riga	Latvia	Latvia	56.97	24.03	26	0012		MARS		12/92
VI	26629	Kaunas	Lithuania	Lithuania	54.88	23.83	77	0012	0618	MRZ		12/92
VI	26702	Kaliningrad	Russia	Russia	54.70	20.62	21	0012		MARS		12/92
VI	26781	Smolensk	Russia	Russia	54.75	32.07	238	0012		MRZ		12/92
VI	26850	Minsk	Belarus	Belarus	53.93	27.63	231	0012		MRZ		12/92
VI	27037	Vologda	Russia	Russia	59.28	39.87	127	0012		MRZ		12/92
VI	27196	Kirov	Russia	Russia	58.65	49.62	166	0012		MARS		12/92
VI	27553	Gor'kij	Russia	Russia	56.22	43.82	157	0012		MRZ		12/92
VI	27595	Kazan	Russia	Russia	55.78	49.18	120	0012		MRZ		12/92
VI	27612	Moskva (Dolgoprudny)	Russia	Russia	55.75	37.57	200	0012		MRZ		12/92
VI	27947	Tambov	Russia	Russia	52.73	41.47	161	0012		MARS		12/92
II	28275	Tobol'sk	Russia	Russia	58.15	68.18	50	0012		MRZ		12/92
II	28440	Sverdlovsk	Russia	Russia	56.80	60.63	287	0012		MRZ		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	28661	Kurgan	Russia	Russia	55.28	65.24	74	0012		MRZ		12/92
II	28698	Omsk	Russia	Russia	54.93	73.40	91	0012		MRZ		12/92
II	28722	Ufa	Russia	Russia	54.75	56.00	104	0012		MARS		12/92
II	28900	Kujbysev (Bezencuk)	Russia	Russia	53.25	50.45	45	0012		MRZ		12/92
II	28952	Kustanaj	Cis (Kazakhstan)	Cis (Kazakhstan)	53.22	63.62	171	0012		MRZ		02/93
II	29231	Kolpashevo	Russia	Russia	58.30	82.90	76	0012		MRZ		12/92
II	29263	Abakan	Russia	Russia	58.27	92.09	78	0012		MRZ		12/92
II	29282	Bogucany	Russia	Russia	58.42	97.40	133	0012		MARS		12/92
II	29574	Krasnojarsk	Russia	Russia	56.00	92.88	206	0012		MRZ		12/92
II	29612	Barabinsk	Russia	Russia	55.37	78.40	120	0012		MRZ		12/92
II	29634	Novosibirsk	Russia	Russia	55.03	82.90	143	0012		MRZ-T		12/92
II	29698	Nizneudinsk	Russia	Russia	54.88	99.03	411	0012		MRZ		12/92
II	30054	Vitim	Russia	Russia	59.45	112.58	190	0012		MRZ		12/92
II	30230	Kirensk	Russia	Russia	57.77	108.12	259	0012		MRZ		12/92
II	30309	Bratsk	Russia	Russia	56.04	101.50	416	0012		MRZ		12/92
II	30372	Cara	Russia	Russia	56.55	118.22	711	0012		MRZ		12/92
II	30521	Zigalovo	Russia	Russia	54.48	105.10	426	0012		MRZ		12/92
II	30554	Bogdarin	Russia	Russia	54.47	113.58	995	0012		MARS		12/92
II	30635	Ust'-Barguzin	Russia	Russia	53.43	108.98	460	0012		MRZ		12/92
II	30673	Mogoca	Russia	Russia	53.73	119.78	625	0012		MARS		12/92
II	30692	Skovorodino	Russia	Russia	54.00	123.97	400	0012		MRZ		12/92
II	30715	Angarsk	Russia	Russia	52.27	104.35	417	0012		MRZ		12/92
II	30758	Cita	Russia	Russia	52.02	113.33	671	001218		MRZ		12/92
II	30935	Krasnyj Cikoj	Russia	Russia	50.37	108.75	770	0012		MARS		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	30965	Borzja	Russia	Russia	50.38	116.52	676	0012		MRZ		12/92
II	31004	Aldan	Russia	Russia	58.62	125.37	679	0012		MRZ		12/92
II	31088	Ohotsk	Russia	Russia	59.37	143.20	6	0012		MARS		12/92
II	31168	Ajan	Russia	Russia	56.45	138.15	7	0012		MARS		12/92
II	31300	Zeja	Russia	Russia	53.75	127.23	228	0012		MRZ		12/92
II	31329	Ekimcan	Russia	Russia	53.07	132.93	543	0012		MRZ		12/92
II	31369	Nikolaevsk-Na-Amure	Russia	Russia	53.15	140.70	46	0012		MRZ		12/92
II	31510	Blagovescensk	Russia	Russia	50.27	127.50	136	0012		MRZ		12/92
II	31707	Ekatorino-Nikol'skoe	Russia	Russia	47.73	130.97	71	0012		MARS		12/92
II	31735	Habarovsk	Russia	Russia	48.52	135.17	72	0012		MRZ		12/92
II	31873	Dal'nerecensk	Russia	Russia	45.87	133.73	100	0012		MRZ		12/92
II	31909	Ternej	Russia	Russia	45.03	136.67	70	0012		MRZ		12/92
II	31960	Vladivostok	Russia	Russia	43.12	131.90	138	0012		MRZ-T		12/92
II	32061	Aleksandrovsk-S'skij	Russia	Russia	50.90	142.17	31	0012		MRZ		12/92
II	32150	Juzno-Sahalinsk	Russia	Russia	46.92	142.73	29	001218		MRZ		12/92
II	32165	Juzno-Kuril'sk	Russia	Russia	44.02	145.82	49	0012		MARS		12/92
II	32186	Urup	Russia	Russia	46.20	150.50	76	0012		MRZ		12/92
II	32217	Severo-Kuril'sk	Russia	Russia	50.00	155.38	32	0012		MRZ		12/92
II	32389	K!juci	Russia	Russia	56.32	160.83	28	0012		MRZ		12/92
II	32540	Petropavlosk-Ka'skij	Russia	Russia	52.97	158.75	84	0012		MRZ		12/92
II	32618	Nikol'skoe	Russia	Russia	55.20	165.98	14	0012		MRZ		12/92
VI	33008	Brest	Belarus	Belarus	52.10	23.70	146	0012		MRZ		12/92
VI	33041	Gomel'	Belarus	Belarus	52.40	30.95	126	0012		MRZ		12/92
VI	33345	Kiev	Cis (Ukraine)	Cis (Ukraine)	50.40	30.45	167	0012	0618	MRZ		

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	33393	L'vov	Cis (Ukraine)	Cis (Ukraine)	49.82	23.95	329	0012	0618	MARS		
VI	33631	Uzgorod	Cis (Ukraine)	Cis (Ukraine)	48.63	22.27	115	0012	0618	MRZ		
VI	33658	Chernovcy	Cis (Ukraine)	Cis (Ukraine)	48.27	25.97	214	0012	0618	MARS		
VI	33815	Kishinev	Cis (Moldova)	Cis (Moldova)	46.97	28.85	180	0012		MRZ		02/93
VI	33837	Odessa	Cis (Ukraine)	Cis (Ukraine)	46.48	30.63	42	0012	0618	MARS		
VI	33946	Simferopol'	Cis (Ukraine)	Cis (Ukraine)	45.02	33.98	280	0012	0618	MARS		
VI	34009	Kursk	Russia	Russia	51.65	36.18	248	0012		MRZ		12/92
VI	34122	Voronez	Russia	Russia	51.70	39.17	107	0012		MRZ		12/92
VI	34172	Saratov	Russia	Russia	51.57	46.03	170	0012		MRZ		12/92
VI	34300	Har'kov	Russia	Russia	49.93	36.28	147	0012		MRZ		12/92
VI	34560	Volgograd	Russia	Russia	48.68	44.35	141	0012		MRZ		12/92
VI	34731	Rostov-Na-Donu	Russia	Russia	47.25	39.82	78	0012		MARS		12/92
VI	34858	Divnoe	Russia	Russia	45.92	43.35	87	0012		MRZ		12/92
VI	34880	Astrahan'	Russia	Russia	46.27	48.03	-17	0012		MRZ		12/92
II	35108	Ural'sk	Cis (Kazakhstan)	Cis (Kazakhistan)	51.78	55.22	39	0012		MRZ	MARS	02/93
II	35121	Orenburg	Russia	Russia	51.75	55.10	120	0012		MRZ		12/92
II	35229	Aktyubinsk	Cis (Kazakhstan)	Cis (Kazakhistan)	50.30	57.15	219	0012		MRZ		02/93
II	35394	Karaganda	Cis (Kazakhstan)	Cis (Kazakhistan)	49.80	73.13	353	0012		MARS		02/93
VI	35700	Gur'ev	Cis (Kazakhstan)	Cis (Kazakhistan)	47.02	51.85	-24	0012		MRZ		02/93
II	35746	Aral'sk	Cis (Kazakhstan)	Cis (Kazakhistan)	46.78	61.67	64	0012		MRZ		02/93
II	35796	Balhas	Cis (Kazakhstan)	Cis (Kazakhistan)	46.90	75.00	415	0012		MRZ		02/93
II	36177	Semipalatinsk	Cis (Kazakhstan)	Cis (Kazakhistan)	50.35	80.25	196	0012	0618	MARS		02/93
II	36870	Alma-Ata	Cis (Kazakhstan)	Cis (Kazakhistan)	43.23	76.93	663	0012		MRZ		02/93
VI	37018	Tuapse	Russia	Russia	44.10	39.07	95	0012		MARS		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
VI	37054	Mineral'nye Vody	Russia	Russia	44.22	43.10	313	0012		MARS		12/92
VI	37260	Suhumi	Cis (Georgia)	Cis (Georgia)	43.02	41.00	115	0012	0618	MRZ		02/93
VI	37549	Tbilisi	Cis (Georgia)	Cis (Georgia)	41.52	44.97	490	0012		MRZ		02/93
VI	37789	Erevan	Cis (Azerbaydzhan)	Cis (Azerbaydzhan)	40.13	44.47	1113	0012		MARS		02/93
VI	37985	Lenkoran'	Cis (Azerbaydzhan)	Cis (Azerbaydzhan)	38.73	48.83	-13	0012		MARS		02/93
II	38062	Kzyl-Orda	Cis (Kazakhstan)	Cis (Kazakhstan)	44.85	65.50	128	0012		MRZ		02/93
II	38341	Dzhambul	Cis (Kazakhstan)	Cis (Kazakhstan)	42.85	71.38	652	0012		MRZ		02/93
II	38353	Bishkek	Cis (Kazakhstan)	Cis (Kazakhstan)	42.80	74.50	756	0012		MRZ		02/93
II	38392	Tasauz	Cis (Turkmenistan)	Cis (Turkmenistan)	41.83	59.98	87	0012		MRZ		02/93
II	38457	Tashkent	Cis (Uzbekistan)	Cis (Uzbekistan)	41.33	69.30	492	0012		MRZ-T		02/93
II	38507	Krasnovodsk	Cis (Turkmenistan)	Cis (Turkmenistan)	40.03	52.98	90	0012		MRZ		02/93
II	38687	Chardzhou	Cis (Turkmenistan)	Cis (Turkmenistan)	39.08	63.60	190	0012		MARS		02/93
II	38750	Gasan-Kuli	Cis (Turkmenistan)	Cis (Turkmenistan)	37.47	53.97	-25	0012	0618	MRZ		02/93
II	38836	Dushanbe	Cis (Tadzhikistan)	Cis (Tadzhikistan)	38.55	68.78	800	0012		MARS		02/93
II	38880	Ashgabad	Cis (Turkmenistan)	Cis (Turkmenistan)	37.97	58.33	304	0012		MRZ-T		02/93
II	38954	Horog	Cis (Tadzhikistan)	Cis (Tadzhikistan)	37.50	71.50	2076	0012		MARS		02/93
VI	40007	Aleppo	Syria	Syria	36.12	37.22	425	00	0618	VRS80N		01/93
VI	40080	Damascus A/P	Syria	Syria	33.42	36.52	611	12	0618	VRS80N		01/93
VI	40100	Beyrouth (Aeroport)	Lebanon	Lebanon	33.82	35.48	19	0012		VRS80		
VI	40179	Bet Dagan	Israel	Israel	32.00	34.82	30	0012	0618	VIZ		
VI	40265	Mafraq	Jordan	Jordan	32.37	36.27	687	0012		VRS80		12/92
II	40373	Qaisumah	Saudi Arabia	Saudi Arabia	28.19	46.08	357	0012		VRS80N		12/92
II	40375	Tabuk	Saudi Arabia	Saudi Arabia	28.37	36.58	776	0012		VRS80N		12/92
II	40394	Hail	Saudi Arabia	Saudi Arabia	27.43	41.68	1013	0012		VRS80N		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	40416	Dhanran	Saudi Arabia	Saudi Arabia	26.27	50.17	17	0012		VRS80N		12/92
II	40430	Madinah	Saudi Arabia	Saudi Arabia	24.55	39.72	636	0012		VRS80N		12/92
II	40437	King Khaled Int. A/P	Saudi Arabia	Saudi Arabia	24.93	46.72	612	0012		VRS80N		12/92
II	40582	Kuwait Int. Airport	Kuwait	Kuwait	29.22	47.98	55	0012	0618	VRS80N		10/92
II	40650	Baghdad	Iraq	Iraq	33.23	44.23	34	0012	0618	VRS80N		
II	40706	Tabriz	Iran	Iran	38.08	46.28	1361	00		VRS80N		12/92
II	40745	Mashhad	Iran	Iran	36.27	59.63	980	0012		VRS80N		12/92
II	40754	Tehran-Mehrabad	Iran	Iran	35.68	51.32	1191	0012		VRS80N		12/92
II	40766	Kermanshah	Iran	Iran	34.32	47.12	1322	0012		VRS80N		12/92
II	40800	Esfahan	Iran	Iran	32.62	51.67	1590	0012		VRS80N		12/92
II	40809	Birjand	Iran	Iran	32.87	59.20	1491	0012		VRS80		12/92
II	40841	Kerman	Iran	Iran	30.25	56.97	1754	0012		VRS80		12/92
II	40848	Shiraz	Iran	Iran	29.33	52.36	1488	0012		VRS80		12/92
II	40875	Bandar-Abbas	Iran	Iran	27.13	56.22	12	0012		VRS80N		12/92
II	40938	Herat	Afghanistan	Afghanistan	34.22	62.22	964	0012	06			
II	40948	Kabul Airport	Afghanistan	Afghanistan	34.55	69.22	1791	0012	06			
II	40990	Kandahar Airport	Afghanistan	Afghanistan	31.50	65.85	1010	0012	06			
II	41024	Jeddah (Kaa Int. A/P)	Saudi Arabia	Saudi Arabia	21.67	39.15	18	0012		VRS80N		12/92
II	41114	Khamis Mushait	Saudi Arabia	Saudi Arabia	18.30	42.80	2054	0012		VRS80N		12/92
II	41170	Doha Int. Airport	Qatar	Qatar	25.25	51.57	10	00		VRS80		11/92
II	41217	Abu Dhabi Int. A/P	United Arab Emirates	United Arab Emirates	24.43	54.65	27	0012	0618			
II	41256	Seeb Int. Airport	Oman	Oman	23.58	58.28	15	0012		VRS80N		12/92
II	41316	Salalah	Oman	Oman	17.03	54.08	22	0012		VIZ		12/92
II	41344	Sana'a	Yemen	Yemen	15.52	44.18	2190	12		VRS80		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	41480	Aden	Yemen	Yemen	12.50	45.02	3	00	0612	VRS80N		12/92
II	41494	Socotra	Yemen	Yemen	12.38	53.54	47	12		VRS80N		12/92
II	41530	Peshawar	Pakistan	Pakistan	34.02	71.58	360	00	061218	VRS80		12/92
II	41594	Sargodha	Pakistan	Pakistan	32.05	72.67	188	00	061218	VRS80		12/92
II	41640	Lahore	Pakistan	Pakistan	31.55	74.33	215	00	061218	VRS80N		12/92
II	41661	Quetta (Sheikh Manda)	Pakistan	Pakistan	30.18	66.95	1621	00	061218	VRS80		12/92
II	41675	Multan	Pakistan	Pakistan	30.20	71.43	123	00	061218	VRS80		12/92
II	41739	Panjgur	Pakistan	Pakistan	26.96	64.07	968	00	061218	VRS80		12/92
II	41780	Karachi Airport	Pakistan	Pakistan	24.90	67.13	22	00	061218	VRS80		12/92
II	41923	Dhaka	Bangladesh	Bangladesh	23.77	90.38	9	00	061218	VIZ	MEISEI	01/93
II	42027	Srinagar	India	India	34.08	74.83	1587	0012	0618	IM MK3		12/92
II	42101	Patiala	India	India	30.33	76.47	251	0012		IM MK3		12/92
II	42182	New Delhi	India	India	28.58	77.20	216	0012	0618	IM MK3		12/92
II	42314	Dibrugarh	India	India	27.48	95.02	111	0012	0618	IM MK3		12/92
II	42339	Jodhpur	India	India	26.30	73.02	224	0012	0618	IM MK3		12/92
II	42361	Gwalior	India	India	26.23	78.25	207	0012	0618	IM MK3		12/92
II	42369	Lucknow/Amausi	India	India	26.75	80.88	128	0012	0618	IM MK3		12/92
II	42379	Gurakhpur	India	India	26.75	83.45	87	0012		IM MK3		12/92
II	42397	Siliguri	India	India	26.67	88.37	123	0012	0618	IM MK3		12/92
II	42410	Gauhati	India	India	26.10	91.58	54	0012	0618	IM MK3		12/92
II	42492	Patna	India	India	25.60	85.10	60	0012	0618	IM MK3		12/92
II	42647	Ahmadabad	India	India	23.07	72.63	55	0012	0618	IM MK3		12/92
II	42667	Bhopal/Bairagarh	India	India	23.28	77.25	523	0012	0618	IM MK3		12/92
II	42700	Ranchi	India	India	23.43	85.40	606	0012	06	IM MK3		12/92

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	42724	Agartala	India	India	23.88	91.25	16	0012	0618	IM MK3		12/92
II	42779	Pendra Road	India	India	22.77	81.90	625	0012		IM MK3		12/92
II	42809	Calcutta/Dum Dum	India	India	22.65	88.45	6	0012	0618	IM MK3		12/92
II	42867	Nagpur Sonegaon	India	India	21.10	79.05	310	0012	0618	IM MK3		12/92
II	42971	Bhubaneswar	India	India	20.25	85.83	46	0012	0618	IM MK3		12/92
II	43003	Bombay/ Santacruz	India	India	19.12	72.85	14	0012	0618	IM MK3		12/92
II	43014	Aurangabad Chik Aero	India	India	19.85	75.40	579	0012	0618	IM MK3		12/92
II	43041	Jagdalpur	India	India	19.08	82.03	553	0012	18	IM MK3		12/92
II	43128	Hyderabad Airport	India	India	17.45	78.47	545	0012	0618	IM MK3		12/92
II	43150	Visakhapatnam	India	India	17.70	83.30	66	0012	0618	IM MK3		12/92
II	43185	Machilipatnam	India	India	16.20	80.15	3	0012	0618	IM MK3		12/92
II	43192	Goa/Panjim	India	India	15.48	73.82	60	0012		IM MK3		12/92
II	43279	Madras/ Minambakkam	India	India	13.00	80.18	16	0012	0618	IM MK3		12/92
II	43285	Mangalore	India	India	12.95	74.83	31	0012	0618	IM MK3		12/92
II	43295	Bangalore	India	India	12.97	77.58	921	0012	0618	IM MK3		12/92
II	43311	Amini Divi	India	India	11.10	72.70	4	0012	18	IM MK3		12/92
II	43333	Port Blair	India	India	11.67	92.72	79	0012	0618	IM MK3		12/92
II	43346	Karaikal	India	India	10.92	79.83	7	0012	0618	IM MK3		12/92
II	43353	Kuchi	India	India	9.95	74.23	2	0012		IM MK3		12/92
II	43369	Minicoy	India	India	8.30	73.00	2	0012	0618	IM MK3		12/92
II	43371	Trivandrum	India	India	8.48	76.95	64	0012	0618	IM MK3		12/92
II	43599	Gan	Maldives		-0.68	-73.15	2					
II	44212	Ulan-Gom	Mongolia	Mongolia	48.98	92.08	939	12		MARS		12/92
II	44231	Muren	Mongolia	Mongolia	49.57	100.17	1283	00		MARS		12/92

Column A: **I** = Africa, **II** = Asia, **III** = South America, **IV** = North and Central America, **V** = South-West Pacific, **VI** = Europe, **ANT** = Antarctic, **O** = Ocean Weather Stations

Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	44259	Choibalsan	Mongolia	Mongolia	48.08	114.55	747	12		MARS		12/92
II	44277	Altai	Mongolia	Mongolia	46.40	96.25	2181	00		MARS		12/92
II	44288	Arbaiher	Mongolia	Mongolia	46.27	102.78	1813	00		MARS		12/92
II	44292	Ulan-Bator	Mongolia	Mongolia	47.92	106.87	1306	0012		MARS		12/92
II	44354	Sainshand	Mongolia	Mongolia	44.90	110.13	938	00		MARS		12/92
II	44373	Dalanzadgad	Mongolia	Mongolia	43.58	104.42	1465	12		MARS		12/92
II	45004	King's Park	Hong Kong	Hong Kong	22.32	114.17	66	0012	0618	VRS80N		12/92
II	47041	Hamheung	D.P.R. of Korea		39.93	127.55	38	0012				
II	47058	Pyongyang	D.P.R. of Korea		39.03	125.78	38	0012				
II	47122	Osan Ab	Rep. of Korea	Rep. of Korea	37.10	127.03	52	00061218		J/YANG		12/92
II	47138	Pohang	Rep. of Korea	Rep. of Korea	36.03	129.38	6	0012		J/YANG		12/92
II	47158	Kwangju Ab	Rep. of Korea	Rep. of Korea	35.12	126.82	13	0012		J/YANG		12/92
II	47185	Cheju Upper/Radar	Rep. of Korea	Rep. of Korea	33.28	126.17	72	0012		J/YANG		12/92
II	47401	Wakkanai	Japan	Japan	45.42	141.68	11	0012	0618	MEIR80		01/93
II	47412	Sapporo	Japan	Japan	43.05	141.33	19	0012	0618	MEIR80		01/93
II	47420	Nemuro	Japan	Japan	43.33	145.58	26	0012	0618	MEIR80		01/93
II	47580	Misawa	Japan	Japan	40.70	141.38	39	0012		MEIR80		01/93
II	47582	Akita	Japan	Japan	39.72	140.10	7	0012	0618	MEIR91		01/93
II	47590	Sendai	Japan	Japan	38.27	140.90	43	0012	0618	MEIR91		01/93
II	47600	Wajima	Japan	Japan	37.38	136.90	14	0012	0618	MEIR91		01/93
II	47646	Tateno	Japan	Japan	36.05	140.13	31	0012	0618	MEIR91		01/93
II	47678	Hachijojima/ Omure	Japan	Japan	33.12	139.78	153	0012	0618	MEIR91		01/93
II	47681	Hamamatsu Ab	Japan	Japan	34.75	137.70	45	0012		MEIR80		01/93
II	47744	Yonago	Japan	Japan	35.43	133.35	8	0012	0618	MEIR91		01/93

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	47778	Shionomisaki	Japan	Japan	33.45	135.77	69	0012	0618	MEIR80		01/93
II	47807	Fukuoka	Japan	Japan	33.58	130.38	14	0012	0618	MEIR80		01/93
II	47827	Kagoshima/ Yoshino	Japan	Japan	31.63	130.60	283	0012	0618	MEIR80		01/93
II	47881	Tokushima Ab	Japan	Japan	34.13	134.62	8	00		MEIR80		01/93
II	47909	Naze/ Funchatoge	Japan	Japan	28.38	129.55	295	0012	0618	MEIR91		01/93
II	47918	Ishigakijima	Japan	Japan	24.33	124.17	7	0012	0618	MEIR80		01/93
II	47936	Naha/ Kagamizu	Japan	Japan	26.20	127.68	28	0012	0618	MEIR80		01/93
II	47945	Minamidaitojima	Japan	Japan	25.83	131.23	15	0012	0618	MEIR80		01/93
II	47971	Chichijima	Japan	Japan	27.08	142.18	8	0012		MEIR80		01/93
II	47981	Twojima	Japan	Japan	24.78	141.32	116	00		MEIR80		01/93
II	47991	Minamitorishima	Japan	Japan	24.30	153.97	9	0012		MEIR80		01/93
II	48042	Mandalay	Myanmar	Myanmar	21.98	96.10	76	00		VRS80N		01/93
II	48097	Yangon	Myanmar	Myanmar	16.77	96.17	15	00		VRS18		01/93
II	48327	Chiang Mai	Thailand	Thailand	18.78	98.98	314	0012	0618	VIZ		01/93
II	48407	Ubon Ratchathani	Thailand	Thailand	15.25	104.87	127	0012	0618	VIZ	AIR	01/93
II	48455	Bangkok	Thailand	Thailand	13.73	100.50	20	0012	0618	VRS80N	VIZ	01/93
II	48565	Phuket Airport	Thailand	Thailand	8.07	98.19	10	0012		AIR		01/93
II	48568	Songkhla	Thailand	Thailand	7.20	100.60	5	0012	0618	VIZ		01/93
V	48601	Penang/Bayan Lepas	Malaysia	Malaysia	5.30	100.27	4	0012	0618	VRS80		12/93
V	48615	Kota Bharu	Malaysia	Malaysia	6.17	107.27	5	0012	0618	VIZ		12/93
V	48648	Kuala Lumpur/Jaya	Malaysia	Malaysia	3.10	101.65	46	0012		VRS80N		12/93
V	48657	Kuantan	Malaysia	Malaysia	3.78	103.22	15	0012	0618	VRS80N		12/93
V	48698	Singapore/Changi A/P	Singapore	Singapore	1.37	103.98	16	0012	0618	VRS80N		12/92
II	48820	Ha Noi	Vietnam	Vietnam	21.02	105.80	6	0012		MARS		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	48900	Ho Chi Minh City	Vietnam	Vietnam	10.82	106.67	19	00		A-22		12/92
II	50527	Hailar	China	China	49.22	119.75	611	0012		SHANG		12/92
II	50557	Nenjiang	China	China	49.17	125.22	243	0012		SHANG		12/92
II	50774	Yichun	China	China	47.72	128.90	232	0012		SHANG		12/92
II	50953	Harbin	China	China	45.68	126.62	143	0012		SHANG		12/92
II	51076	Altay	China	China	47.73	88.08	737	0012		SHANG		12/92
II	51431	Yining	China	China	43.95	81.33	663	0012		SHANG		12/92
II	51463	Urumqi	China	China	43.90	87.47	919	0012		SHANG		12/92
II	51644	Kuqa	China	China	41.72	82.95	1100	0012		SHANG		12/92
II	51709	Kashi	China	China	39.47	75.98	1291	0012		SHANG		12/92
II	51777	Ruoqiang	China	China	39.03	88.17	889	0012		SHANG		12/92
II	51828	Hotan	China	China	37.13	79.93	1375	0012		SHANG		12/92
II	51848	Andir	China	China	37.93	83.65	1264	0012		SHANG		12/92
II	52203	Hami	China	China	42.82	93.52	739	0012		SHANG		12/92
II	52267	Ejin Qi	China	China	41.98	101.07	941	0012		SHANG		12/92
II	52323	Mazong Shan	China	China	41.63	96.88	1770	0012		SHANG		12/92
II	52418	Dunhuang	China	China	40.13	94.78	1140	0012		SHANG		12/92
II	52533	Jiuquan	China	China	39.77	98.52	1478	0012		SHANG		12/92
II	52681	Minqin	China	China	38.72	103.10	1367	0012		SHANG		12/92
II	52818	Golmud	China	China	36.20	94.63	2809	0012		SHANG		12/92
II	52836	Dulan	China	China	36.33	98.03	3192	0012		SHANG		12/92
II	52866	Xining	China	China	36.75	101.60	2296	0012		SHANG		12/92
II	52889	Lanzhou	China	China	36.05	103.88	1518	0012		SHANG		12/92
II	53068	Erenhot	China	China	43.65	112.00	966	0012		SHANG		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	53463	Huhhot	China	China	40.82	111.68	1065	0012		SHANG		12/92
II	53513	Linhe	China	China	40.77	107.40	1041	0012		SHANG		12/92
II	53614	Yinchuan	China	China	38.48	106.22	1112	0012		SHANG		12/92
II	53772	Taiyuan	China	China	37.78	112.55	779	0012		SHANG		12/92
II	53845	Yan An	China	China	36.60	109.50	959	0012		SHANG		12/92
II	53915	Pingliang	China	China	35.55	106.67	1348	0012		SHANG		12/92
II	54102	Xilin Hot	China	China	43.95	116.07	991	0012		SHANG		12/92
II	54135	Tongliao	China	China	43.60	122.27	180	0012		SHANG		12/92
II	54161	Changchun	China	China	43.90	125.22	238	0012		SHANG		12/92
II	54218	Chifeng	China	China	42.27	118.97	572	0012		SHANG		12/92
II	54292	Yanji	China	China	42.88	129.47	178	0012		SHANG		12/92
II	54337	Jinzhou	China	China	41.13	121.12	30	0012		SHANG		12/92
II	54342	Shenyang	China	China	41.82	123.55	43	0012		SHANG		12/92
II	54374	Linjiang	China	China	41.72	126.92	333	0012		SHANG		12/92
II	54497	Dandong	China	China	40.05	124.33	13	0012		SHANG		12/92
II	54511	Beijing	China	China	39.80	116.47	55	0012		SHANG		12/92
II	54662	Dalian	China	China	38.90	121.63	97	0012		SHANG		12/92
II	54823	Jinan	China	China	36.68	116.98	58	0012		SHANG		12/92
II	54857	Qingdao	China	China	36.07	120.33	77	0012		SHANG		12/92
II	55299	Nagqu	China	China	31.48	92.05	4508	0012		SHANG		12/92
II	55591	Lhasa	China	China	29.70	91.13	3650	0012		SHANG		12/92
II	56029	Yushu	China	China	33.10	96.75	3682	0012		SHANG		12/92
II	56080	Hezuo	China	China	34.92	103.07	2910	0012		SHANG		12/92
II	56137	Qamdo	China	China	31.18	96.98	3307	0012		SHANG		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	56146	Garze	China	China	31.63	99.98	3394	0012		SHANG		12/92
II	56294	Chengdu	China	China	30.67	104.02	508	0012		SHANG		12/92
II	56571	Xichang	China	China	27.88	102.30	1599	0012		SHANG		12/92
II	56691	Weining	China	China	26.87	104.28	2236	0012		SHANG		12/92
II	56739	Tengchong	China	China	25.12	98.48	1649	0012		SHANG		12/92
II	56778	Kunming	China	China	25.02	102.68	1892	0012		SHANG		12/92
II	56964	Simao	China	China	22.67	101.40	1303	0012		SHANG		12/92
II	56985	Mengzi	China	China	23.38	103.38	1302	0012		SHANG		12/92
II	57036	Xi'an	China	China	34.30	108.93	398	0012		SHANG		12/92
II	57083	Zhengzhou	China	China	34.72	113.65	111	0012		SHANG		12/92
II	57127	Hanzhong	China	China	33.07	107.03	509	0012		SHANG		12/92
II	57178	Nanyang	China	China	33.03	112.58	131	0012		SHANG		12/92
II	57447	Enshi	China	China	30.27	109.37	458	0012		SHANG		12/92
II	57461	Yichang	China	China	30.70	111.08	134	0012		SHANG		12/92
II	57494	Wuhan	China	China	30.63	114.07	23	0012		SHANG		12/92
II	57516	Chongqing	China	China	29.52	106.48	260	0012		SHANG		12/92
II	57679	Changsha	China	China	28.20	113.07	46	0012		SHANG		12/92
II	57749	Huaihua	China	China	27.57	110.00	261	0012		SHANG		12/92
II	57816	Guiyang	China	China	26.58	106.72	1222	0012		SHANG		12/92
II	57957	Guilin	China	China	25.33	110.30	166	0012		SHANG		12/92
II	57972	Chenzhou	China	China	25.75	112.98	185	0012		SHANG		12/92
II	57993	Ganzhou	China	China	25.83	114.83	125	0012		SHANG		12/92
II	58027	Xuzhou	China	China	34.28	117.30	42	0012		SHANG		12/92
II	58150	Sheyang	China	China	33.77	120.25	7	0012		SHANG		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
II	58203	Fuyang	China	China	32.93	115.83	39	0012		SHANG		12/92
II	58238	Nanjing	China	China	32.00	118.80	12	0012		SHANG		12/92
II	58367	Shanghai	China	China	31.24	121.28	7	0012		SHANG		12/92
II	58424	Anqing	China	China	30.52	117.03	20	0012		SHANG		12/92
II	58457	Hangzhou	China	China	30.23	120.17	43	0012		SHANG		12/92
II	58606	Nanchang	China	China	28.67	115.97	46	0012		SHANG		12/92
II	58633	Qu Xian	China	China	28.97	118.87	71	0012		SHANG		12/92
II	58666	Dachen Dao	China	China	28.45	121.88	22	0012		SHANG		12/92
II	58725	Shaowu	China	China	27.33	117.47	192	0012		SHANG		12/92
II	58847	Fuzhou	China	China	26.08	119.28	85	0012		SHANG		12/92
II	58968	Taibei	Taiwan		25.03	121.52	9	0012				
II	59134	Xiamen	China	China	24.45	118.07	139	0012		SHANG		12/92
II	59211	Bose	China	China	23.92	106.53	242	0012		SHANG		12/92
II	59265	Wuzhou	China	China	23.48	111.30	117	0012		SHANG		12/92
II	59287	Guangzhou	China	China	23.13	113.32	8	0012		SHANG		12/92
II	59316	Shantou	China	China	23.40	116.68	4	0012		SHANG		12/92
II	59431	Nanning	China	China	22.82	108.35	73	0012		SHANG		12/92
II	59758	Haikou	China	China	20.03	110.35	15	0012		SHANG		12/92
II	59981	Xisha Dao	China	China	16.83	112.33	5	0012		SHANG		12/92
I	60020	Santa Cruz Tenerife	Canary Is. (Spain)	Spain	28.45	-16.25	36	0012		VRS80N		12/92
I	60155	Casablanca	Morocco	Morocco	33.57	-7.67	62	12	000618	MES		
I	60191	Beni-Mellal	Morocco	Morocco	32.37	-6.40	468	0012		MES		
I	60250	Agadir	Morocco	Morocco	30.38	-9.57	23	00	061218	MES		
I	60390	Dar-El-Beida	Algeria	Algeria	36.72	3.25	25	0012	0618	VRS80		

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
I	60550	Elbayadh	Algeria	Algeria	33.68	1.02	1341	0012	0618	VRS80		
I	60571	Bechar	Algeria	Algeria	31.62	-2.22	773	0012	0618	VRS80		
I	60630	In Salah	Algeria	Algeria	27.40	2.85	268			VRS80		
I	60680	Tamanrasset	Algeria	Algeria	22.78	5.52	1378	0012	0618	VRS80		
I	60715	Tunis Carthage	Tunisia	Tunisia	36.83	10.23	4	0012	0618	VRS80N		10/92
I	60760	Tozeur	Tunisia	Tunisia	33.92	8.12	51	12	000618	VRS80N		10/92
I	61024	Agadez-Sud	Niger	Niger	16.58	7.59	502	0012	0618	VRS80N		12/92
I	61052	Niamey-Aero	Niger	Niger	13.48	2.17	227	0012	0618	VRS80N		12/92
I	61223	Tombouctou	Mali	Mali	16.72	-3.00	264	12	000618	VRS80		
I	61291	Bamako/Senou	Mali	Mali	12.53	-7.95	381	0012	0618	VRS80		
I	61415	Nouadhibou	Mauritania	Mauritania	20.93	-17.03	3	12	000618	VRS80		
I	61641	Dakar/Yoff	Senegal	Senegal	14.73	-17.50	24	0012	0618	VRS80N		04/93
I	61901	St. Helena	St Helena S.Atlantic	UK Met. Office METOP	-15.93	-5.67	436	12		VRS80N		09/93
I	61902	Wide Awake Field	Ascension Is.	US Air Force	-7.97	-14.40	79	12		MSS	VIZ	12/92
I	61967	Diego Garcia	Diego Garcia	US Navy	-7.35	72.48	2	00	12	VRS80N		
I	61976	Tromelin	Ile Tromelin	France	-15.88	54.52	14		12	VWS80		12/92
I	61995	Vacoas	Mauritious		-20.30	57.50	425					01/93
I	61996	Martin de Vivies	Ile Amsterdam	France	-37.80	77.53	29	12		VRS80N		12/92
I	61998	Port-aux-Francais	Iles Kerguelen	France	-49.35	70.25	30	12		VRS80N		12/92
I	62010	Tripoli Int Airport	Libya	Libya	32.68	13.17	81	0012	0618	VRS80N		12/92
I	62019	Sirte	Libya	Libya	31.20	16.58	13			VRS80N		12/92
I	62053	Benina	Libya	Libya	32.08	20.27	132	0012	0618	VRS80N		12/92
I	62062	Tobruk	Libya	Libya	32.10	23.92	50	12	000618	VRS80N		12/92
I	62103	Ghadames	Libya	Libya	30.13	9.50	357	12	000618	VRS80N		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
I	62124	Sebha	Libya	Libya	27.02	14.43	432	12		VRS80N		12/92
I	62212	Ghat	Libya	Libya	25.08	10.08	692	12	000618	VRS80N		12/92
I	62271	Kufra	Libya	Libya	24.22	23.30	435	12	000618	VRS80N		12/92
I	62306	Mersa Matruh	Egypt	Egypt	31.33	27.22	30	0012	0618	VIZ		12/92
I	62378	Helwan	Egypt	Egypt	29.87	31.33	141	0012	0618	VIZ		12/92
I	62414	Asswan	Egypt	Egypt	23.97	32.78	191	0012	0618	VIZ		12/92
I	62721	Khartoum	Sudan	Sudan	15.60	32.55	380	0012		VRS80N		04/93
I	63450	Addis Ababa	Ethiopia	Ethiopia	8.89	38.80	2324	12		VRS80N		11/92
I	63612	Lodwar	Kenya	Kenya	3.70	35.37	515	0012		MES73A		01/93
I	63741	Nairobi/Dagoretti	Kenya	Kenya	-1.30	36.75	1798	0012		VRS80N		01/93
I	63985	Seychelles Int. A/P	Seychelles	UK Met. Office METOP	-4.68	55.53	4	0012		VRS80		12/92
I	64650	Bangui	Central African Rep.	Central African Rep.	4.40	18.52	366	12	000618	VRS80		
I	64910	Douala R.S.	Cameroon	Cameroon	4.02	9.70	9	0012	0618	VRS80		
I	65578	Abidjan	Côte d'Ivoire	Côte d'Ivoire	5.25	-3.93	7	0012	0618	VRS80		02/93
I	67083	Antananarivo/Ivato	Madagascar	Madagascar	-18.80	47.48	1276	0012	06	VRS80		
I	67197	Fort-Dauphin	Madagascar	Madagascar	-25.03	46.95	9	00	0612	VRS80		
I	67237	Nampula	Mozambique	Mozambique	-15.10	39.28	441	12		VRS80N		11/92
I	67341	Maputo/Mavalane	Mozambique	Mozambique	-25.92	32.57	44	12		VRS80N		
I	67475	Kasama	Zambia		-10.20	31.10	0					
I	67586	Kamuzu Intl. Airport	Malawi	Malawi	-13.78	33.77	1229	12	06	MES73A		12/92
I	67666	Lusaka City Airport	Zambia	Zambia	-15.42	28.32	1280	12	06	VRS80N		
I	67774	Harare (Belvedere)	Zimbabwe	Zimbabwe	-17.83	31.02	1472	00	12	VRS80		12/92
I	67843	Victoria Falls	Zimbabwe	Zimbabwe	-18.01	25.85	1062	00	12	VRS80		12/92
I	67964	Bulawayo (Goetz Obs)	Zimbabwe	Zimbabwe	-20.15	28.62	1344	00	12	VRS80		12/92

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
I	68032	Maun	Botswana		-19.98	23.42	945			VRS80N		01/93
I	68040	Letlhakane	Botswana		-21.25	25.36	985	12		VRS80N		01/93
I	68110	Windhoek	Nambia		-22.57	17.10	1700	0012		VRS80N		01/93
I	68174	Pietersburg	South Africa	South Africa	-23.87	29.45	1200	0012		VRS80N		01/93
I	68240	Seretse Khama A/P	Botswana	Botswana	-24.22	25.92	1005	12	000618	VRS80		01/93
I	68263	Pretoria (Irene)	South Africa	South Africa	-25.92	28.22	1500	0012		VRS80N		01/93
I	68424	Upington	South Africa	South Africa	-28.40	21.27	800	0012		VRS80N		01/93
I	68442	Bloemfontein (Jbmh)	South Africa	South Africa	-29.10	26.30	1400	0012		VRS80N		01/93
I	68461	Bethlehem Airport	South Africa	South Africa	-28.25	28.33	1700	0012		VRS80N		01/93
I	68512	Springbok	South Africa	South Africa	-29.67	17.88	1000	0012		VRS80N		01/93
I	68536	De Aar	South Africa	South Africa	-30.65	24.02	1200	0012		VRS80N		01/93
I	68588	Durban (Louis Botha)	South Africa	South Africa	-29.97	30.95	0	0012		VRS80N		01/93
I	68816	Cape Town (D.F. Malan)	South Africa	South Africa	-33.97	18.60	0	0012		VRS80N		01/93
I	68842	Port Elizabeth	South Africa	South Africa	-33.98	25.60	0	0012		VRS80N		01/93
I	68906	Gough Island	South Africa	South Africa	-40.35	-9.88	0	0012		VRS80N		01/93
I	68994	Marion Island	South Africa	South Africa	-46.88	37.87	0	0012		VRS80N		01/93
IV	70026	Barrow/W.Post W.Rod'	United States	United States	71.30	-156.78	4	0012		VIZ		12/92
IV	70086	Barter Island	United States	United States	70.13	-143.63	15	0012		VIZ		12/92
IV	70133	Kotzebue Ralph Wien	United States	United States	66.87	-162.63	5	0012		VIZ		12/92
IV	70200	Nome	United States	United States	64.50	-165.43	7	0012		VIZ		12/92
IV	70219	Bethel Airport	United States	United States	60.78	-161.80	46	0012		SDC		12/92
IV	70231	Mcgrath	United States	United States	62.97	-155.62	103	0012		SDC		12/92
IV	70261	Fairbanks/Int.	United States	United States	64.82	-147.87	138	0012		SDC		12/92
IV	70266	Fort Greely/ Allen	United States	United States	63.97	-145.70	398					12/92

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
IV	70273	Anchorage/ Int.	United States	United States	61.17	-150.02	40	0012		VIZ		12/92
IV	70308	St. Paul	United States	United States	57.15	-170.22	9	0012		VIZ		12/92
IV	70316	Cold Bay	United States	United States	55.20	-162.72	31	0012		VIZ		12/92
IV	70326	King Salmon	United States	United States	58.68	-156.65	15	0012		VIZ		12/92
IV	70350	Kodiak	United States	United States	57.75	-152.52	34	0012		VIZ		12/92
IV	70361	Yakutat	United States	United States	59.52	-139.67	9	0012		VIZ		12/92
IV	70398	Annette Island	United States	United States	55.03	-131.57	34	0012		VIZ		12/92
IV	70414	Shemya Afb	United States	United States	52.72	174.10	31	0012		MSS		12/92
IV	70454	Adak/ Navy	United States	United States	51.88	-176.65	4	0012		VRS80N		12/92
IV	71043	Norm'wells Ua, N.W.T.	Canada	Canada	65.28	-126.80	95	0012		VAL		12/92
IV	71072	Mould Bay, N.W.T.	Canada	Canada	76.23	-119.33	12	0012		VIZB		12/92
IV	71081	Hall Beach, N.W.T.	Canada	Canada	68.78	-81.25	8	0012		VAL		12/92
IV	71082	Alert, N.W.T.	Canada	Canada	82.50	-62.33	66	0012		VAL		12/92
IV	71109	Port Hardy, B.C.	Canada	Canada	50.68	-127.37	22	0012		VRS80N		12/92
IV	71115	Vernon, B.C.	Canada	Canada	50.23	-119.28	555	0012		VAL		12/92
IV	71119	Edmonton Stony Plain	Canada	Canada	53.55	-114.10	766	0012		VAL		12/92
IV	71600	Sable Island, N.S.	Canada	Canada	43.93	-60.02	4	0012		VAL		12/92
IV	71603	Yarmouth, N.S.	Canada	Canada	43.87	-66.10	9	0012		VIZB		12/92
IV	71801	St.John's Ua, Nfld.	Canada	Canada	47.62	-52.75	140	0012		VIZB		12/92
IV	71811	Sept-Iles Ua, Que.	Canada	Canada	50.22	-66.27	53	0012		VAL		12/92
IV	71815	Stephenville, Nfld.	Canada	Canada	48.53	-58.55	26	0012		VAL		12/92
IV	71816	Goose Ua, Nfld.	Canada	Canada	53.32	-60.42	38	0012		VAL		12/92
IV	71823	La Grande IV, Que.	Canada	Canada	53.70	-73.67	307	0012		VAL		12/92
IV	71836	Moosonee	Canada	Canada	51.27	-80.65	10	0012		VAL		12/92

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
IV	71845	Pickle Lane, Ont.	Canada	Canada	51.28	-90.12	390	0012		VIZB		12/92
IV	71867	The Pas, Man.	Canada	Canada	53.97	-101.10	271	0012		VAL		12/92
IV	71896	Prince George, B.C.	Canada	Canada	53.88	-122.67	691	0012		VRS80N		12/92
IV	71906	Kuujjaqua Ua, Que.	Canada	Canada	58.10	-68.42	36	0012		VAL		12/92
IV	71907	Inukjuak, Que.	Canada	Canada	58.45	-78.12	6	0012		VAL		12/92
IV	71909	Iqaluit Ua, N.W.T.	Canada	Canada	63.75	-68.55	0	0012		VIZB		12/92
IV	71913	Churchill Man.	Canada	Canada	58.75	-94.07	29	0012		VAL		12/92
IV	71915	Coral Harbour, N.W.T.	Canada	Canada	64.20	-83.37	64	0012		VIZB		12/92
IV	71917	Eureka, N.W.T.	Canada	Canada	80.00	-85.93	10	0012		VAL		12/92
IV	71924	Resolute, N.W.T.	Canada	Canada	74.72	-94.38	67	0012		VAL		12/92
IV	71925	Cambridge Bay, N.W.T.	Canada	Canada	69.10	-105.12	27	0012		VAL		12/92
IV	71926	Baker Lake Ua N.W.T.	Canada	Canada	64.30	-96.00	49	0012		VAL		12/92
IV	71934	Fort Smith Ua, N.W.T.	Canada	Canada	60.02	-111.97	204	0012		VAL		12/92
IV	71945	Fort Nelson Ua, B.C.	Canada	Canada	58.83	-122.58	378	0012		VRS80N		12/92
IV	71957	Inuvik Ua, N.W.T.	Canada	Canada	68.30	-133.48	103	0012		VAL		12/92
IV	71964	Whitehorse ,Y.T.	Canada	Canada	60.72	-135.07	703	0012		VIZB		12/92
IV	72201	Key West/Int., FL.	United States	United States	24.55	-81.75	6	0012		VIZ		12/92
IV	72203	West Palm Beach/Int.	United States	United States	26.68	-80.12	6	0012		VIZ		12/92
IV	72208	Charleston/Mun., SC.	United States	United States	32.90	-80.03	15	0012		VIZ		12/92
IV	72209	Ft. Stewart, GA.	United States	United States	31.88	-81.57	14	0012		VIZ		12/92
IV	72210	Tampa Bay Area, FL.	United States	United States	27.70	-82.38	13	0012		VIZ		12/92
IV	72213	Waycross/Ware Co., FL	United States	United States	31.25	-82.40	46	0012		VIZ		12/92
IV	72214	Tallahassee, FL	United States	United States	30.38	-84.35	18	0012		VIZ		12/92
IV	72221	Valparaiso/Eglin Afb	United States	United States	30.48	-86.52	29	12		VRS80L		12/92

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
IV	72225	Fort Benning, GA	United States	United States	32.33	-84.83	130	1218		VIZ		12/92
IV	72229	Centreville, AL.	United States	United States	32.90	-87.25	140	0012		VIZ		12/92
IV	72233	Slidel	United States	United States	30.33	-89.82	8	0012		VIZ		12/92
IV	72235	Jackson/Allen C.T. FD	United States	United States	32.32	-90.08	101	0012		VIZ		12/92
IV	72239	Fort Polk, LA.	United States	United States	31.03	-93.03	110	12		VIZ		12/92
IV	72240	Lake Charles/Mun., LA	United States	United States	30.12	-93.22	10	0012		VIZ		12/92
IV	72247	Longview, TX.	United States	United States	32.35	-94.65	124	0012		VIZ		12/92
IV	72250	Brownsville/Int., TX.	United States	United States	25.90	-97.43	6	0012		VIZ		12/92
IV	72251	Corpus Christie, TX.	United States	United States	27.77	-86.05	12	0012		VIZ		12/92
IV	72257	Fort Hood, TX.	United States	United States	31.10	-97.33	270	12		VIZ		12/92
IV	72260	Stephenville C Field	United States	United States	32.22	-98.18	402	0012		SDC		12/92
IV	72261	Del Rio/Int., TX.	United States	United States	29.37	-100.92	313	0012		SDC		12/92
IV	72265	Midland Reg.Air Term	United States	United States	31.95	-102.18	872	0012		SDC		12/92
IV	72269	White Sands, NM.	United States	United States	32.38	-106.48	1244	061218		VRS80N		12/92
IV	72270	El Paso/Int., TX.	United States	United States	31.80	-106.40	1194	0012		SDC		12/92
IV	72274	Tucson/Int., AZ.	United States	United States	32.12	-110.93	779	0012		SDC		12/92
IV	72291	San Nicolas Is./Nf	United States	United States	33.25	-119.45	174	18		VRS80N		12/92
IV	72293	San Diego/Miramar	United States	United States	32.85	-117.12	0	0012		VIZ		12/92
IV	72304	Cape Hatteras, NC.	United States	United States	35.27	-75.55	3	0012		VIZ		12/92
IV	72311	Athens/Mun., GA.	United States	United States	33.95	-83.32	247	0012		VIZ		12/92
IV	72317	Greensboro/G.High Pt	United States	United States	36.08	-79.95	270	0012		VIZ		12/92
IV	72327	Nashville/Old Hick'y	United States	United States	36.25	-86.57	0	0012		VIZ		12/92
IV	72340	N.Little Rock M.A/P.	United States	United States	34.83	-92.27	165	0012		VIZ		12/92
IV	72349	Monett, MO.	United States	United States	36.88	-93.90	437	0012		VIZ		12/92

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IV	72355	Fort Sill, OK.	United States	United States	34.60	-98.40	360	1218		VIZ		12/92
IV	72357	Paducah, KY.	United States	United States	37.02	-88.77	126	0012		VIZ		12/92
IV	72363	Amarillo/Intl., TX.	United States	United States	35.23	-101.70	1099	1218		SDC		12/92
IV	72365	Albuquerque/Int., NM.	United States	United States	35.05	-106.62	1620	1218	18	SDC		12/92
IV	72374	Winslow/Mun., AZ.	United States	United States	35.02	-110.73	1488	1218		SDC		12/92
IV	72381	Edwards Afb, CA.	United States	United States	34.92	-117.90	705			MSS		12/92
IV	72387	Mercury/Desert Rock.	United States	United States	36.60	-116.00	1009	0012		VRS80N		12/92
IV	72393	Vandenberg Afb, CA.	United States	United States	34.75	-120.57	121	0012		MSS		12/92
IV	72402	Wallops Island, VA.	United States	United States	37.85	-75.48	12	0012		VIZ		12/92
IV	72403	Sterling, VA.	United States	United States	38.98	-77.47	0	0012		VIZ		12/92
IV	72407	Atlantic City, NJ.	United States	United States	39.45	-74.57	20	0012		VIZ		12/92
IV	72424	Ft. Knox, KY.	United States	United States	37.90	-85.97	230	12		VIZ		12/92
IV	72425	Huntington/Tristate	United States	United States	38.37	-82.55	255	0012		VIZ		12/92
IV	72429	Sulpher Grove, OH.	United States	United States	39.87	-84.12	0	0012		VIZ		12/92
IV	72435	Norman, OK.	United States	United States	35.23	-97.45	357	0012		VIZ		12/92
IV	72451	Dodge City/Mun., KS.	United States	United States	37.77	-99.97	790	0012		VIZ		12/92
IV	72456	Topeka/Mun., KS.	United States	United States	39.07	-95.63	270	0012		VIZ		12/92
IV	72468	Fort Carson, CO.	United States	United States	38.70	-104.77	1789	1218		VIZ		12/92
IV	72469	Denver/Stapleton Int.	United States	United States	39.75	-104.87	1625	0012		VIZ		12/92
IV	72476	Grand Jn/Walker, Fld.	United States	United States	39.12	-108.53	1475	0012		SDC		12/92
IV	72486	Ely/Yelland, NV.	United States	United States	39.28	-114.85	1909	0012		SDC		12/92
IV	72493	Oakland Int., CA.	United States	United States	37.73	-122.20	3	0012		VIZ		12/92
IV	72518	Albany Co., NY.	United States	United States	42.75	-73.80	89	0012		VIZ		12/92
IV	72520	Pittsburgh/Moon Town	United States	United States	40.53	-80.23	0	0012		VIZ		12/92

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IV	72528	Greater Buffalo Int.	United States	United States	42.93	-78.73	215	0012		VIZ		12/92
IV	72532	Greater Peoria, IL.	United States	United States	40.67	-89.68	202	0012		VIZ		12/92
IV	72553	Omaha, NE.	United States	United States	41.37	-96.02	406	0012		VIZ		12/92
IV	72562	N.Platte/Lee Bird, NE.	United States	United States	41.13	-100.68	849	0012		VIZ		12/92
IV	72572	Salt Lake City/Int.	United States	United States	40.77	-111.97	1288	0012		SDC		12/92
IV	72576	Lander /Hunt, WY.	United States	United States	42.82	-108.73	1694	0012		SDC		12/92
IV	72583	Winnemucca/Mun., NV.	United States	United States	40.90	-117.80	1322	0012		VIZ		12/92
IV	72597	Medford Jackson Cty.	United States	United States	42.37	-122.87	405	0012		VIZ		12/92
IV	72606	Portland/Int.Jet Pt.	United States	United States	43.65	-70.32	19	0012		VIZ		12/92
IV	72637	Flint/Bishop, MI.	United States	United States	42.97	-83.73	233	0012		VIZ		12/92
IV	72645	Green Bay/A. Straubel	United States	United States	44.58	-88.13	214	0012		VIZ		12/92
IV	72654	Huron Regional, SD.	United States	United States	44.38	-98.22	393	0012		VIZ		12/92
IV	72655	St.Cloud/Whitney, MN.	United States	United States	45.55	-94.07	312	0012		VIZ		12/92
IV	72662	Rapid City/Reg., SD.	United States	United States	44.05	-103.07	966	0012		VIZ		12/92
IV	72681	Boise/Mun., ID.	United States	United States	43.57	-116.22	874	0012		SDC		12/92
IV	72694	Salem/Mcnary, OR.	United States	United States	44.92	-123.02	61	0012		VIZ		12/92
IV	72712	Caribou/Mun., ME.	United States	United States	46.87	-68.02	190	0012		VIZ		12/92
IV	72734	Sault Ste.Marie, MI.	United States	United States	46.47	-84.37	221	0012		VIZ		12/92
IV	72747	Falls Int., MN.	United States	United States	48.57	-93.38	361	0012		VIZ		12/92
IV	72764	Bismarck/Mun., ND.	United States	United States	46.77	-100.75	506	0012		SDC		12/92
IV	72768	Glasgow/Int., MT.	United States	United States	48.22	-106.62	700	0012		VIZ		12/92
IV	72775	Great Falls /Int., MT.	United States	United States	47.48	-111.37	1115	0012		VIZ		12/92
IV	72785	Spokane/Int., WA.	United States	United States	47.63	-117.53	721	0012		VIZ		12/92
IV	72797	Quillayute, WA.	United States	United States	47.95	-124.55	62	0012		VIZ		12/92

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
IV	73455	Fort Riley, KS.	United States	United States	39.10	-96.77	320	1218		VIZ		12/92
IV	74230	Miles City, MT.	United States	United States	46.43	-105.87	801	IRREG		VIZ		12/92
IV	74420	Roosevelt, UT.	United States	United States	40.30	-109.98	1556	IRREG		VIZ		12/92
IV	74421	Craig, CO.	United States	United States	40.50	-107.52	1886	IRREG		VIZ		12/92
IV	74494	Chatham , MA.	United States	United States	41.67	-69.97	16	0012		VIZ		12/92
IV	74500	Sheridan, CA.	United States	United States	39.00	-121.33	60	IRREG		VIZ		12/92
IV	74501	Freshpond, CA.	United States	United States	38.75	-120.52	1147	IRREG		VIZ		12/92
IV	74504	Pilar Point Afs, CA.	United States	United States	37.50	-122.50	49	IRREG		MSS		12/92
IV	74521	Durango, CO.	United States	United States	31.20	-107.82	2095	IRREG		VIZ		12/92
IV	74606	S. Vandenberg Afb, CA.	United States	United States	34.65	-120.57	112	IRREG		MSS		12/92
IV	74611	Bicycle Lake Aaf, CA.	United States	United States	35.28	-116.37	716	IRREG		VIZ		12/92
IV	74612	China Lake NAF, CA.	United States	United States	35.68	-117.68	696	IRREG	12	MSS		12/92
IV	74630	Stallion Aaf, NM.	United States	United States	33.82	-106.67	1506	IRREG		VIZ		12/92
IV	74631	White Sands Site 32	United States	United States	33.17	-106.48	1235	IRREG		VRS80N		12/92
IV	74702	Lemoore, CA.	United States	United States	36.33	-119.95	73	IRREG		VIZ		12/92
IV	74718	Salton Sea, CA.	United States	United States	33.22	-115.87	-69	0012		VIZ		12/92
IV	74731	Big Spring, TX.	United States	United States	32.22	-101.52	784	IRREG		VIZ		12/92
IV	74733	Northrup Land. Strip	United States	United States	33.90	-106.40	1193	IRREG		VRS80N		12/92
IV	74734	White Sands Site 39	United States	United States	32.63	-106.40	1204	IRREG		VRS80N		12/92
IV	74794	Cape Canaveral, FL.	United States	United States	28.30	-80.50	0	0012	0618	MSS		12/92
IV	76151	Isla Guadalupe, UC.	Mexico	USA NWS	29.17	-118.32	23	0012		VIZ		
IV	76225	Univ. de Chihuahua.	Mexico	USA NWS	28.63	-106.07	1435	0012		VIZ		
IV	76256	Empalme SON.	Mexico	USA NWS	27.95	-110.80	11	0012		VIZ		
IV	76394	Aerop Int. Monterrey.	Mexico	USA	25.87	-100.23	448	0012		VIZ		

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Table 1 • UPPER-AIR STATIONS AND RADIOSONDE TYPES — 1993

WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
IV	76458	Colonia Juan Carras'	Mexico	USA NWS	23.18	-105.42	4	0012		VIZ		
IV	76612	Guadalajara, JAL.	Mexico	USA NWS	20.60	-103.30	1551	12		VIZ		
IV	76644	Aerop. Int. Merida	Mexico	Mexico	20.95	-89.67	9	0012		VIZ		
IV	76654	Manzanillo, COL.	Mexico	USA NWS	19.10	-104.10	3	12		VIZ		
IV	76679	Aerop. Int. Mexico, DF.	Mexico	Mexico	19.43	-99.07	2234	0012		VIZ		
IV	76692	Hacienda Ylang Ylang	Mexico	Mexico	19.15	-96.12	13	0012		VIZ		
IV	76723	Isla Socorro, COL.	Mexico	USA NWS	18.72	-110.95	1560	12		VIZ		
IV	78016	N.A.S. Kindley	Bermuda	United States	32.37	-64.68	6	0012		VIZ		
IV	78073	Nassau Airport	Bahamas	USA NWS	25.05	-77.47	7	12		VIZ		01/93
IV	78355	Camaguey Cameguey	Cuba		21.40	-77.92	122	0012		MARS		
IV	78367	Guantanamo Oriente	Cuba	USA (Navy)	19.90	-75.15	23	0012	0618			
IV	78384	O.R.A. Grand Cayman	Cayman Islands	USA NWS	19.32	-81.35	3	0012		VIZ		
IV	78397	Kingston /Nor' Man'	Jamaica	USA NWS	17.93	-76.78	14	0012		VIZ		
IV	78486	Santo Domingo	Dominican Republic.	USA NWS	18.47	-69.88	14	0012		VIZ		12/92
IV	78526	San Juan/Int.	Puerto Rico	United States	18.43	-66.00	19	0012		VIZ		
IV	78583	Belize/Int.Airport	Belize	USA NWS	17.53	-88.30	5	0012		VIZ		12/92
IV	78762	Juan Santamaria	Costa-Rica	Costa-Rica	10.00	-84.22	939	12		VIZ		01/93
IV	78861	Coolidge Field.	Antigua.		17.12	-61.78	10	12	18	VIZ		
IV	78866	Juliana Airport	St.Maarten.		18.05	-63.12	9	12		VIZ		
IV	78897	Le Raizet	Guadeloupe		16.27	-61.53	11	12	00	VRS80		12/92
IV	78954	Grantley Adams	Barbados		13.07	-59.48	56	0012		VIZ		
IV	78970	Piarco Int.Airport	Trinidad	USA NWS	10.62	-61.35	15	0012		VIZ		12/92
IV	78988	Hato Airport	Curacao		12.20	-68.97	62	00		VIZ		12/92
III	80001	San Andres-Isla	Colombia	Colombia	12.58	-81.72	1	12		VIZ		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
III	80035	Riohacha	Colombia	Colombia	11.53	-72.09	4	12		VRS80N		12/92
III	80222	Bogota/Eldorado	Colombia	USA NWS	4.70	-74.13	2548	0012		VIZ		12/92
III	80241	Gaviotas	Colombia	Colombia	4.55	-70.92	167	12		VRS80N		12/92
III	80398	Leticia/Vasquez Cobo	Colombia	Colombia	-4.17	-69.90	84	12		VRS80N		12/92
III	80413	Maracay-B.A. Sucre	Venezuela	Venezuela	10.25	-67.65	437	0012		VRS80N		12/92
III	80447	San Antonio	Venezuela	Venezuela	7.85	-72.45	377	12		VIZ		12/92
III	80462	Santa Elena	Venezuela	Venezuela	4.60	-61.12	907	12		VIZ		12/92
III	81405	Cayenne/Rochambeau	French Guiana	France	4.83	-52.37	9	12	00	VRS80		12/92
III	82193	Belem (Aeroporto)	Brazil	Brazil	-1.38	-48.48	16	12		VRS80		12/92
III	82276	Alcantara	Brazil	Brazil	-2.32	-44.42	49	12		VRS80N		12/92
III	82280	Sao Luis	Brazil	Brazil	-2.53	-44.30	51	12		VRS80		12/92
III	82332	Manaus (Aeroporto)	Brazil	Brazil	-3.15	-59.98	84	12		VRS80		12/92
III	82397	Fortaleza	Brazil	Brazil	-3.77	-38.60	19	12		VRS80		12/ 92
III	82400	Fernando de Noronha	Brazil	Brazil	-3.85	-32.42	57	12		VRS80		12/92
III	82599	Natal (Airport)	Brazil	Brazil	-5.92	-35.25	52	12		VIZB		12/92
III	82678	Floriano	Brazil	Brazil	-6.77	-43.02	128	12		VRS80		12/92
III	82765	Carolina	Brazil	Brazil	-7.33	-47.47	193	12		VRS80		12/92
III	82824	Porto Velho	Brazil	Brazil	-8.77	-63.92	95	12		VRS80		12/92
III	82900	Recife (Curado)	Brazil	Brazil	-8.05	-34.92	7	12		VRS80		12/92
III	82965	Alta Floresta	Brazil	Brazil	-9.87	-56.10	288	12		VRS80		12/92
III	82983	Petrolina	Brazil	Brazil	-9.38	-40.48	371	12		VRS80		12/92
III	83208	Vilhena	Brazil	Brazil	-12.70	-60.10	612	12		VRS80		12/92
III	83229	Salvador	Brazil	Brazil	-13.02	-38.52	51	12		VRS80N		12/92
III	83288	Bom Jesus da Lapa	Brazil	Brazil	-13.27	-43.42	440	12		VRS80		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
III	83361	Cuiaba	Brazil	Brazil	-15.55	-56.12	151	12		VRS80N		12/92
III	83378	Brasilia (Airport)	Brazil	Brazil	-15.87	-47.93	1061	0012		VRS80		12/92
III	83498	Caravelas	Brazil	Brazil	-17.73	-39.25	3	12		VRS80		12/92
III	83583	Belo Horizonte	Brazil	Brazil	-19.85	-43.95	785	12		VRS80N		12/92
III	83612	Campo Grande (A/P)	Brazil	Brazil	-20.47	-54.67	567	12		VRS80		12/92
III	83650	Trindade	Brazil	Brazil	-20.50	-29.32	5	12		VRS80N		12/92
III	83746	Galeao	Brazil	Brazil	-22.82	-43.25	6	0012		VIZB		12/92
III	83780	Sao Paulo (Aeroporto)	Brazil	Brazil	-23.62	-46.65	803	0012		VRS80		12/92
III	83840	Curitiba (Aeroporto)	Brazil	Brazil	-25.52	-49.17	908	0012		VIZB		12/92
III	83971	Porto Alegre (A/P)	Brazil	Brazil	-30.00	-51.18	3	0012		VIZB		12/92
III	84008	Galapagos	Ecuador	Ecuador	-0.45	-90.27	16	12		VRS80N		12/92
III	84628	Lima-Callao/Aerop.	Peru	USA NWS	-12.00	-77.12	13	00	18	VIZ		
III	85201	La Paz/Alto	Bolivia	USA NWS	-16.52	-68.18	4071	12		VIZ		
III	85442	Antofagasta	Chile	USA NWS	-23.45	-70.43	115	12		VRS80N		12/92
III	85469	Isla de Pascua	Chile	USA NWS	-27.17	-109.43	48	00		VRS80N		12/92
III	85543	Quintero	Chile	USA NWS	-32.83	-71.50	8	0012		VRS80N		12/92
III	85799	Puerto Montt	Chile	USA NWS	-41.42	-73.08	80	12		VRS80N		12/92
III	85934	Punta Arenas	Chile	USA NWS	-53.00	-70.83	38	12		VRS80N		12/92
III	86218	Asuncion/Aeropuerto	Paraguay	Paraguay	-25.27	-57. 63	101	12		VIZ		12/92
III	87047	Salta Aero	Argentina	Argentina	-24.85	-65.48	1221	12	18	VRS80		12/92
III	87155	Resistencia Aero	Argentina	Argentina	-27.45	-59.05	52	12	18	VRS80N		12/92
III	87344	Cordoba Aero	Argentina	Argentina	-31.32	-64.22	474	12	18	VRS80		12/92
III	87418	Mendoza Aero	Argentina	Argentina	-32.83	-68.78	704	12	18	VRS80		12/92
III	87576	Ezeiza Aero	Argentina	Argentina	-34.83	-58.53	20	0012	18	VRS80N		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
III	87623	Santa Rosa Aero	Argentina	Argentina	-36.57	-64.27	191	12	18	VRS80N		12/92
III	87715	Neuquen Aero	Argentina	Argentina	-38.95	-68.13	271	12	18	VRS80N		12/92
III	87748	Comandante Espora Ba	Argentina	Argentina	-38.73	-62.17	74					12/92
III	87860	Comodoro Rivadavia	Argentina	Argentina	-45.78	-67.50	46	12	18	VRS80N		12/92
III	88889	Mount Pleasant	Falkland Islands	UK Met. Office METDS	-51.82	-58.45	73	00061218		VRS80N		12/92
ANT	89001	S.A.N.A.E. (closed)	Antarctica	South Africa	-70.30	-2.35	62			VRS80		01/93
ANT	89002	Georg Von Neumayer	Antarctica	FRG	-70.62	-8.37	40	12		VRS80N		01/93
ANT	89009	Amundsen-Scott	Antarctica	USA	-90.00	0.00	2800	0012		VIZ		12/92
ANT	89022	Halley Bay	Antarctica	Brit Ant Survey	-75.50	-26.65	32	12		AIR		10/92
ANT	89050	Bellingshausen	Antarctica	USSR	-62.20	-58.93	16	00		MET		
ANT	89055	Vicecomodoro	Antarctica	Argentina	-64.23	-56.72	1 98	12	18	VRS80N		12/92
ANT	89056	Pdte.Eduardo Frei	Antarctica	Uruguay?	-62.25	-58.93	10	12				
ANT	89532	Syowa	Antarctica	Japan	-69.00	39.58	21	0012		MEIR80		01/93
ANT	89542	Molodeznaja	Antarctica	USSR	-67.67	45.85	40	0012		MET		
ANT	89564	Mawson	Antarctica	Australia	-67.60	62.87	16	0012		VRS80N		12/92
ANT	89571	Davis	Antarctica	Australia	-68.58	77.97	13	0012		VRS80N		12/92
ANT	89592	Mirnyj	Antarctica	Ussr	-66.55	93.02	30	00		MET		
ANT	89611	Casey	Antarctica	Australia	-66.27	110.53	15	0012		VRS80N		12/92
ANT	89642	Dumont d'Urville	Antarctica	France	-66.67	140.02	43	00		VRS80N		12/92
ANT	89664	Mcmurdo	Antarctica	USA	-77.85	166.67	24	0012		VIZ		12/92
V	91066	Midway Island	Midway Is. Pacific	United States	28.22	-177.37	13	0012		VIZ		12/92
V	91165	Lihue	Kauai Hawaii	United States	21.98	-159.35	45	0012	0618	VIZ		12/92
V	91217	Guam	Mariana Is. Pacific	United States	13.55	144.83	111	0012	06	VIZ		
V	91245	Wake Island Airfield	Wake Is. Pacific	United States	19.28	166.65	4	0012		VIZ		

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Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
V	91285	Hilo Gen.Lyman	Hawaii	United States	19.72	-155.07	0	0012	0618	VIZ		12/92
V	91334	Truk	Caroline Is. Pacific	United States	7.47	151.85	2	00	12	VIZ		
V	91348	Ponape	Caroline Is. Pacific	United States	6.97	158.22	46	00	0612	VIZ		
V	91366	Kwajelein/Bucholz	Marshall Is. Pacific	United States	8.73	167.73	8	00	0618	MSS		
V	91376	Majuro	Marshall Is. Pacific	United States	7.08	171.38	3	00	1218	VIZ		
V	91408	Koror	Palau Is. Pacific	United States	7.33	134.48	33	00	12	VIZ		
V	91413	Yap	Caroline Is. Pacific	United States	9.48	138.08	17	00	12	VIZ		
V	91517	Honiara	Solomon Islands	Solomon Islands	-9.42	159.97	56	0012	0618	VRS80N		01/93
V	91557	Bauerfield (Efate)	Vanuatu Pacific	UK Met. Office METOP	-17.70	168.30	21	00	12	VRS80N		12/92
V	91592	Noumea	New Caledonia	France	-22.28	166.45	72	00		VRS80N		12/92
V	91610	Tarawa	Kiribati Pacific	New Zealand	1.35	172.92	2	00	12	VRS80		01/93
V	91643	Funafuti	Tuvalu Pacific	New Zealand	-8.52	179.22	1	00	12	VRS80		01/93
V	91680	Nandi	Fiji Pacific	Fiji	-17.75	177.45	18	00	12	VRS80		12/92
V	91765	Pago Pago Int. A/P	Samoa Pacific		-14.33	170.72	3	0012	0618	VIZ		04/93
V	91843	Rarotonga	Cook Is. Pacific	New Zealand	-21.20	-159.82	7		0012			01/93
V	91925	Atuona Marquesas Is.	French Polynesia	France	-9.80	-139.03	52	00	12	VRS80		12/92
V	91938	Tahiti-Faaa	French Polynesia	France	-17.55	-149.62	2	00	12	VRS80		12/92
V	91944	Hao (Tuamotu Is.)	French Polynesia	Star	-18.07	-140.95	3	00	12	VRS80		12/92
V	91948	Rikitea (Tuamotu Is)	French Polynesia	France	-23.13	-134.97	89	00		VRS80		12/92
V	91952	Mururoa	French Polynesia	France	-21.82	-138.80	3	00	12	VRS80		12/92
V	91954	Tubuai	French Polynesia	France	-23.35	-149.48	3	00	12	VRS80		12/92
V	91958	Rapa (Austral Is.)	French Polynesia	France	-27.62	-144.33	2	00	12	VRS80N		12/92
V	93012	Kaitaia	New Zealand	New Zealand	-35.20	173.27	86	0012	18	VRS80		01/93
V	93417	Paraparaumu	New Zealand	New Zealand	-40.90	174.98	7	0012	18	VRS80		01/93

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
V	93844	Invercargill A/P	New Zealand	New Zealand	-46.42	168.33	0	0012	18	VRS80		01/93
V	93944	Campbell Island	New Zealand	New Zealand	-52.55	169.15	15	0012		VRS80N		01/93
V	93986	Chatham Island	New Zealand	New Zealand	-43.95	-176.57	44	00		VRS80N		01/93
V	93997	Raoul Island	New Zealand	New Zealand	-29.25	-177.92	38	00		VRS80N		01/93
V	94014	Madang	Papua New Guinea	Papua New Guinea	-5.22	145.80	12	00		VRS80N		11/92
V	94120	Darwin Airport	Australia	Australia	-12.40	130.87	30	0012	0618	VRS80		12/92
V	94150	Gove Airport	Australia	Australia	-12.27	136.82	54	00	061218	VRS80		12/92
V	94203	Broome Airport	Australia	Australia	-17.95	122.22	9	00	061218	VRS80		12/92
V	94294	Townsville Airport	Australia	Australia	-19.25	146.75	6	00	061218	VRS80		12/92
V	94299	Willis Island	Australia	Australia	-16.30	149.98	9	00	061218	VRS80		12/92
V	94300	Canarvon Airport	Australia	Australia	-24.88	113.67	7	00	061218	VRS80		12/92
V	94302	Learmonth	Australia	Australia	-22.24	114.09	5	00	061218	VRS80		12/92
V	94312	Port Hedland Airport	Australia	Australia	-20.37	118.62	6	00	061218	VRS80		12/92
V	94326	Alice Springs A/P	Australia	Australia	-23.80	133.90	544	00	061218	VRS80		12/92
V	94332	Mt Isa Airport	Australia	Australia	-20.65	139.48	342	00	061218	VRS80		12/92
V	94380	Gladstone	Australia	Australia	-23.85	151.27	76	00	061218	VRS80		12/92
V	94403	Geraldton	Australia	Australia	-28.80	114.71	34	00	061218	VRS80		12/92
V	94461	Giles	Australia	Australia	-25.03	128.30	599	00	061218	VRS80		12/92
V	94510	Charleville Airport	Australia	Australia	-26.42	146.27	304	00	061218	VRS80		12/92
V	94527	Moree	Australia	Australia	-29.47	149.85	212	00	061218	VRS80		12/92
V	94578	Brisbane Airport	Australia	Australia	-27.43	153.08	6	00	061218	VRS80		12/92
V	94610	Perth Airport	Australia	Australia	-31.93	115.95	12	0012	0618	VRS80		12/92
V	94637	Kalgoorlie Airport	Australia	Australia	-30.77	121.45	360	00	061218	VRS80		12/92
V	94638	Esperance	Australia	Australia	-33.82	121.88	26	00	061218	VRS80		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
V	94646	Forrest	Australia	Australia	-30.84	128.11	160	00	061218	VRS80		12/92
V	94659	Woomera Airport	Australia	Australia	-31.15	136.80	167	00	061218	VRS80		12/92
V	94672	Adelaide Airport	Australia	Australia	-34.93	138.52	4	0012	0618	VRS80		12/92
V	94711	Cobar	Australia	Australia	-31.48	145.82	265	00	061218	VRS80		12/92
V	94750	Nowra Air Station	Australia	Australia	-34.95	150.53	110	00	0618	VRS80N		12/92
V	94767	Sydney Airport	Australia	Australia	-33.95	151.18	3	0618	0012	VRS80		12/92
V	94776	Williamtown	Australia	Australia	-32.78	151.82	11	00	061218	VRS80		12/92
V	94802	Albany Airport	Australia	Australia	-34.95	117.80	69	00	061218	VRS80		12/92
V	94821	Mt Gambier Airport	Australia	Australia	-37.73	140.78	69	00	061218	VRS80		12/92
V	94865	Laverton Aerodrome	Australia	Australia	-37.85	144.73	14	0012	0618	VRS80		12/92
V	94867	Melbourne (inactive)	Australia	Australia	-37.68	144.95	110					12/92
V	94910	Wagga Airport	Australia	Australia	-35.15	147.45	213	00	061218	VRS80		12/92
V	94975	Hobart Airport	Australia	Australia	-42.83	147.50	3	00	061218	VRS80		12/92
V	94995	Lord Howe Island	Australia	Australia	-31.52	159.08	46	00	061218	VRS80		12/92
V	94996	Norfolk Island A/P	Australia	Australia	-29.03	167.93	109	00	061218	VRS80		12/92
V	94998	Macquarie Island	Australia	Australia	-54.48	158.93	6	0012		VRS80N		12/92
V	96035	Medan/Polonia	Indonesia	Indonesia	3.57	98.68	25	00	061218	VIZB		02/93
V	96163	Padang/Tabing	Indonesia	Indonesia	-0.88	100.35	3	0012	0618	VIZB		02/93
V	96237	Pangkalpinang	Indonesia	Indonesia	-2.17	106.13	33	00	0612	MESEI		02/93
V	96315	Brunei Airport	Brunei Darussalam	Brunei	4.93	114.93	43	0012	0618	VRS80		12/92
V	96413	Kuching	Malaysia	Malaysia	1.48	110.33	21	0012	0618	VRS80		12/92
V	96441	Bintulu	Malaysia	Malaysia	3.20	113.03	3	0012	0618	VRS80		12/92
V	96471	Kota Kinabalu	Malaysia	Malaysia	5.93	116.05	2	0012	0618	VRS80		12/92
V	96481	Tawau	Malaysia	Malaysia	4.27	117.88	20	0012		VRS80		12/92

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
V	96749	Kalarta/Soekarnohota	Indonesia		-6.12	106.65	8	0012	0618	MESEI		02/93
V	96935	Surabaya/Juanda	Indonesia	Indonesia	-7.37	112.77	3	00	061218	VIZB		02/93
V	96996	Cocos Islands A/P	Cocos Isls. Pacific	Australia	-12.18	96.82	3	0012		VRS80N		12/92
V	97014	Menado/Dr. Ratulangi	Indonesia	Indonesia	1.53	124.92	80	0012	06	VIZB		02/93
V	97072	Palu/Mutiara	Indonesia	Indonesia	-0.68	119.73	6	00	0612	VIZB		02/93
V	97180	Ujungpandang	Indonesia	Indonesia	-5.07	119.55	14	0012	0612	VIZB		02/93
V	97372	Kupang/Eltari	Indonesia	Indonesia	-0.17	123.67	108	0012	0618	VIZB		02/93
V	97560	Biak	Indonesia	Indonesia	-1.18	136.12	11	0012		VIZB		02/93
V	98223	Laong	Philippines	Philippines	18.18	120.53	5	00	12	VRS80N		12/92
V	98444	Legaspi	Philippines	Philippines	13.13	123.73	17	00	12	VRS80N		12/92
V	98618	Puerto Princesa	Philippines	Philippines	9.75	118.73	16	00	12	VRS18		12/92
V	98646	Mactan	Philippines	Philippines	10.30	123.97	24	00	12	VRS18		12/92
O	DBBH	Meteor	Germany	Germany	0.00	0.00	0	0012		VRS80N		01/93
O	DBLK	Polarstern	Germany?	Germany?	0.00	0.00	0	0012		VRS80N		01/93
O	DUTU	Kalantio			0.00	0.00	0					
O	EREA	Musson	USSR	USSR	0.00	0.00	0	0012		MARS		
O	EREB	Volna	USSR	USSR	0.00	0.00	0	0012		MARS		
O	EREC	Priliv	USSR	USSR	0.00	0.00	0	0012		MARS		
O	EREH	Priboy	USSR	USSR	0.00	0.00	0	0012		MARS		
O	EREI	Okean	USSR	USSR	0.00	0.00	0	0012		MARS		
O	ERES	Viktor Bugaev	USSR	USSR	0.00	0.00	0	0012		MARS		
O	ERET	Georgy Ushakov	USSR	USSR	0.00	0.00	0	0012		MARS		
O	EREU	Ernst Krenkel	USSR	USSR	0.00	0.00	0	0012		MARS		
O	ESGG	Vyacheslav Frolov	USSR	USSR	0.00	0.00	0	0012		MARS		

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
O	FNOR	Fort Royal	France	France	0.00	0.00	0	0012		VRS80N		12/92
O	FNOU	Fort Fleur D'epee	France	France	0.00	0.00	0	0012		VRS80N		12/92
O	FNPH	Fort Desaix	France	France	0.00	0.00	0	0012		VRS80N		12/92
O	FNRS	Fort Saint Charles	France	France	0.00	0.00	0	0012		VRS80N		12/92
O	GACA	Cumulus	United Kingdom	UK Met. Office METOP	0.00	0.00	0	00061218		VRS80N		09/93
O	IBWQ	Flauva	Italy	Italy	0.00	0.00	0					
O	JBOA	Keifu Maru	Japan	Japan	0.00	0.00	0	0012		MEIR80		01/93
O	JCCI	Chofu Maru	Japan	Japan	0.00	0.00	0	0012		VRS80N		01/93
O	JDWI	Kofu Maru	Japan	Japan	0.00	0.00	0	0012		VRS80N		01/93
O	LADB2	Skaugran	Canada??		0.00	0.00	0	0012		VRS80		12/92
O	LBHA	Nordkapp	Norway	Norway	0.00	0.00	0	IRREG		VRS80N		02/93
O	LDWR	Ows Mike	Norway	Norway	66.00	2.00	0	0012	0618	VRS80L		02/93
O	ONDA	Canmar (stopped)	United Kingdom	UK Met. Office METOP	0.00	0.00	0	0012		VRS80N		01/93
O	OVYA	Nuka Ittuk	Denmark	Denmark	0.00	0.00	0	0012		VRS80N		12/92
O	OZJP	Magnus Jensen	Denmark	Denmark	0.00	0.00	0	0012		VRS80N		12/92
O	UBNZ	Akademik Shuliekin	USSR	USSR	0.00	0.00	0	0012		VRS80		
O	UHQS	Akademik Korolev	USSR	USSR	0.00	0.00	0	0012		MARS		
O	UJFO	Professor Multanov'	USSR		0.00	0.00	0			VRS80		
O	UMAY	Akademik Shirshov	USSR	USSR	0.00	0.00	0	0012		MARS		
O	UMFW	Professor Zubov	USSR	USSR	0.00	0.00	0	0012		MARS		
O	UPUI		USSR		0.00	0.00	0			MET		
O	UUQR		USSR		0.00	0.00	0			MET		
O	UWEC		USSR	USSR	0.00	0.00	0	0012		MET		
O	UZGH	Passat	USSR	USSR	0.00	0.00	0	0012		MARS		

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WMO		NAME		Technical	DEGREES		Height	PROGRAM		SONDE		DATE
Region	Index number	Station	Country	authority over station	Latitude - = S	Longitude - = W	metres	TEMP	PILOT	Regular type used	Alternative type used	month/year
O	V2LV	EWL Colombia	Germany	Germany	0.00	0.00	0	0012		VRS80N		09/93
O	V2LX	EWL Suriname	Germany	Germany	0.00	0.00	0	0012		VRS80N		09/93
O	VRSI	Canmar Europe	United Kingdom	UK Met. Office METOP	0.00	0.00	0	0012		VRS80N		04/93
O	VSBV3	Canmar (stopped)	Finland	Finnish Met. Inst.	0.00	0.00	0	0012		VRS80		01/93

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Table 2

UPPER-AIR GROUND SYSTEMS

AND

WINDFINDING EQUIPMENT

1993

Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	01001	Jan Mayen	Norway	Norway	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	02/93
VI	01028	Bjornoya	Norway	Norway	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	02/93
VI	01152	Bodo	Norway	Norway	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	02/93
VI	01241	Orland	Norway	Norway	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	02/93
VI	01384	Oslo/Gardermoen	Norway	Norway	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	02/93
VI	01415	Stavanger/Sola	Norway	Norway	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	02/93
VI	02185	Lulea/Kallax	Sweden	Sweden	VRS80		403	Y	V86	DIGICORA	RADAR		01/93
VI	02225	Ostersund/Froson	Sweden	Sweden	VRS80		403	Y	V86	DIGICORA	RADAR		01/93
VI	02365	Sundsvall-Harnosand	Sweden	Sweden	VRS80N		403	Y	V86	DIGICORA	OMEGA/LORAN	DIGICORA	01/93
VI	02465	Stockholm/Bromma	Sweden	Sweden	VRS80N		403	Y	V86	DIGICORA	OMEGA/LORAN	DIGICORA	01/93
VI	02527	Goteburg/Landvetter	Sweden	Sweden	VRS80N		403	Y	V86	DIGICORA	OMEGA/LORAN	DIGICORA	01/93
VI	02544	Karlsborg	Sweden	Sweden	VRS80		403	Y	V86	DIGICORA	RADAR		01/93
VI	02591	Visby Aerologiska	Sweden	Sweden	VRS80		403	Y	V86	DIGICORA	RADAR		01/93
VI	02836	Sondankyla	Finland	Finland	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
VI	02935	Jyvaskyla	Finland	Finland	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
VI	02963	Jokioinen	Finland	Finland	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
VI	03005	Lerwick	United Kingdom	UK Met. Office METOP	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03026	Stornoway	United Kingdom	UK Met. Office METOP	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03170	Shanwell (closed)	United Kingdom	UK Met. Office METOP	VRS80		403	Y	V86	PC-CORA	RADAR	COSSOR 353D	03/92
VI	03213	Eskmeals	United Kingdom	UK Met. Office METDS	VRS80L		403	Y	V93	PC-CORA	LORAN-C	PC-CORA+SPL11	09/93
VI	03240	Boulmer	United Kingdom	UK Met. Office METOP	VRS80L		403	Y	V93	PC-CORA	LORAN-C	PC-CORA+SPL11	09/93
VI	03322	Aughton	United Kingdom	UK Met. Office METOP	VRS80L		403	Y	V93	PC-CORA	LORAN-C	PC-CORA+SPL11	09/93
VI	03496	Hemsby	United Kingdom	UK Met. Office METOP	VRS80	VRS80L	403	Y	V93	PC-C ORA	RADAR	COSSOR 353D	09/93
VI	03502	Aberporth	United Kingdom	UK Met. Office METDS	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03693	Shoeburyness	United Kingdom	UK Met. Office METDS	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03743	Larkhill	United Kingdom	UK Met. Office METDS	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03763	Beaufort Park	United Kingdom	UK Met. Office METOI	VRS80		403	Y	V86	PC-CORA	RADAR	COSSOR 353D	10/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	03774	Crawley (closed)	United Kingdom	UK Met. Office METOP	VRS80		403	Y	V86	PC-CORA	RADAR	COSSOR 353D	09/92
VI	03808	Camborne	United Kingdom	UK Met. Office METOP	VRS80		403	Y	V93	PC-CORA	RADAR	COSSOR 353D	09/93
VI	03882	Herstmonceux	United Kingdom	UK Met. Office METOP	VRS80L		403	Y	V93	PC-CORA	LORAN-C	PC-CORA+SPL11	09/93
VI	03920	Long Kesh	United Kingdom	UK Met. Office METOP	VRS80L		403	Y	V93	PC-CORA	LORAN-C	PC-CORA+SPL11	09/93
VI	03953	Valentia	Eire	Irish Met. Service	VRS80N		403	Y	V86	DIGICORA	OMEGA/RADAR	NAVAID/COSSOR	01/93
VI	04018	Keflavik	Iceland	US Air Force?	VRS80N		403	Y	V86	MARWIN	OMEGA	MARWIN-12	12/92
VI	04202	Thule Airforce Base	Greenland	US Air Force	MSS		1680	N		GMD5	RADIOTHEODOLITE	GMD5	12/92
VI	04220	Egedesminde	Greenland	Denmark	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCOR A	12/92
VI	04270	Narssarssuaq	Greenland	Denmark	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCO RA	12/92
VI	04320	Danmarkshavn	Greenland	Denmark	VRS80N		403	Y	V86	DIGICORA	OMEGA + VLF	DIGICORA	12/92
VI	04339	Scoresbysund	Greenland	Denmark	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICOR A	12/92
VI	04360	Angmagssalik	Greenland	Denmark	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	06011	Thorshavn	Denmark (Faroe Is.)	Denmark	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	06030	Alborg	Denmark	Denmark	VIZ		1680	N		GMD1	RADIOTHEODOLITE	GMD1	12/92
VI	06181	Kobenhavn	Denmark	Denmark	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	06260	de Bilt	Netherlands	Netherlands	VRS80N		403	Y	V86	DIGICORA+PC	OMEGA	NAVAID	12/92
VI	06447	Uccle	Belgium	Belgium	VRS80N		403	Y	V86	DIGICORA MW11	OMEGA	DIGICORA	12/92
VI	06476	St-Hubert	Belgium	Belgium	VRS80N		403	Y	V86	MOD CORA	OMEGA	MOD CORA	12/92
VI	06496	Elsenborn	Belgium	Belgium									12/92
VI	06610	Payerne	Switzerland	Switzerland	ML-SRS		400	N		BASORA	SECONDARY RADAR	BASORA	12/92
VI	07110	Brest	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07145	Trappes	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07180	Nancy/Essey	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07481	Lyon/Satolas	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07510	Bordeaux/Merignac	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07645	Nimes/Courbessac	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92
VI	07761	Ajaccio	France	France	VRS80L		403	Y	NIR	STAR	LORAN-C	STAR	12/92

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VI	08001	La Coruna	Spain	Spain	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
VI	08023	Santander	Spain	Spain	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
VI	08160	Zaragoza A/P	Spain	Spain	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	08221	Madrid	Spain	Spain	VRS80N		403	Y	V82	MOD CORA	OMEGA	MOD CORA	12/92
VI	08301	Palma de Mallorca	Spain	Spain	VRS80N		403	Y	V82	MOD CORA	OMEGA	MOD CORA	12/92
VI	08430	Murcia	Spain	Spain	VRS8 0N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
VI	08495	Gibraltar	Gibraltar	UK Met. Office METDS	VRS80N		403	Y	V93	PC-CORA	OMEGA	PC-CORA+SP011	09/93
VI	08508	Lajes	Portugal (Acores)	Portugal	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
I	08522	Funchal	Portugal (Madeira)	Portugal	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	08579	Lisboa/Gago Coutinho	Portugal	Portugal	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
I	08594	Sal	Cape Verde Is.	USA?	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORPS?	12/92
VI	10035	Schleswig	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	EEC	01/93
VI	10046	Kiel-Kronshagen	Germany	Germany									01/93
VI	10184	Greifswald	Germany	Germany	VRS80N		403	Y	V86	PC-CORA	OMEGA	PC-CORA+SPO?	01/93
VI	10200	Emden-Konigspolder	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR		01/93
VI	10238	Bergen	Germany	Germany									01/93
VI	10304	Meppen	Germany	Germany									01/93
VI	10338	Hannover	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	EEC	01/93
VI	10384	Berlin-Tempelhof	Germany	Germany									01/93
VI	10393	Lindenberg	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10410	Essen	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10437	Fritzlar-Kasselerw	Germany	Germany									01/93
VI	10486	Wahnsdorf	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10548	Meiningen	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10618	Idar-Oberstein	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR		01/93
VI	10739	Stuttgart	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10771	Garmersdorf	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR		01/93

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	10868	Munchen	Germany	Germany	VRS80		403	Y	V86	PC-CORA(MOD)	RADAR	GEMATRONIC	01/93
VI	10921	Neuhausen Ob Eck	Germany	Germany									01/93
VI	10962	Hohenpeissenberg	Germany	Germany									01/93
VI	11011	Linz/Hoersching	Austria	Austria	ELIN		403	N		AUSTRIAN			12/92
VI	11035	Wien/Hohe Warte	Austria	Austria	ELIN		403	N		AUSTRIAN	RADAR	GEMATRONIC	12/92
VI	11240	Graz/Thalerhof	Austria	Austria	ELIN		403	N		AUSTRIAN			12/92
VI	11520	Praha-Libus	Czech	Czechoslovakia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	11952	Poprad/Ganovce	Slovakia	Czechoslovakia	VRS80N	MARS	403	Y	V86	DIGICORA+MET2	OMEGA/SEC.RADAR	DIGICORA+MET2	12/92
VI	12120	Leba	Poland	Poland	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
VI	12330	Poznan (closed)	Poland	Poland									01/93
VI	12374	Legionowo	Poland	Poland	VRS80N	MARS	403	Y	V86	DIGICORA/MET2	OMEGA/RADAR	DIGICORA/MET2	01/93
VI	12425	Wroclaw	Poland	Poland	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
VI	12843	Budapest/Lorinc	Hungary	Hungary	VRS80N		403	Y	NIR	DIGICORA MW	OMEGA	DIGICORA	01/93
VI	12982	Szeged	Hungary	Hungary	MARS		1782	Y	NIR	METEORIT-2	SECONDARY RADAR	METEORIT-2	01/93
VI	13130	Zagreb/Maksimir	X-Yugoslavia	X-Yugoslavia	VIZ		1680	N		GMD1A	SECONDAR Y RADAR	GMD/PLESSEY WF3	12/92
VI	13275	Beograd	X-Yugoslavia	X-Yugoslavia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	15120	Cluj-Napoca	Romania	Romania	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	15420	Bucaresti/Imh	Romania	Romania	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICOR A	12/92
VI	15480	Constanta	Romania	Romania	A-22		216	N		MALAHIT	SECONDARY RADAR	MALAHIT	12/92
VI	15614	Sofia (Observ.)	Bulgaria	Bulgaria	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
VI	15730	Kurdjali (closed)	Bulgaria (closed)	Bulgaria (closed)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	16044	Udine/Campoformido	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICR OCORA	
VI	16080	Milano/Linate	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	
VI	16144	S.Pietro (Bologna)	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	
VI	16245	Pratica di Mare	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	
VI	16320	Brindisi	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	
VI	16429	Trapani/Birgi	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	16560	Cagliari/Elmas	Italy	Italy	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	
VI	16622	Thessaloniki/Mikra	Greece	Greece	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
VI	16716	Athens (Hellinikon)	Greece	Greece	VRS80N		403	Y	V86?	MICROCORA	OMEGA	M ICROCORA	12/92
VI	16754	Heraklion	Greece	Greece	VRS80N		403	Y	V86?	MICROCORA	OMEGA	MICROCORA	12/92
VI	17030	Samsun	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17062	Istanbul/Goztepe	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17130	Ankara/Central	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17220	Izmir/Guzelyali	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17240	Isparta	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17280	Diyarbakir	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17352	Adana	Turkey	Turkey	VRS80	VIZ	1680	N		PP11	RADAR	MEISEI	12/92
VI	17607	Athalassa	Cyprus	Cyprus	VIZ		403	N			RADAR	PLESSEY	12/92
II	20046	Gmo Im. E.T. Krenkelja	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
2	20069	Ostrov Vize	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT	12/92
6	20107	Barencburg	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
2	20274	Ostrov Uedinenija	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT	12/92
II	20292	Gmo Im. E.K. Federova	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	20353	Mys Zelanija	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	20667	M.V. Popova	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	20674	Ostrov Dikson	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	20744	Malye Karmakuly	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	20891	Hatanga	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	21358	Ostrov Zohova	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	21432	Ostrov Kotel'nyj	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	21504	Ostrov Preobrazenija	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	21647	Mys Shalaurova	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	21824	Tiksi	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	21946	Cokurdah	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	21965	Ostrov Cetyreh-Stol.	Russia	Russia	MAR S		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	21982	Ostrov Vrangelja	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
VI	22113	Murmansk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	22217	Kandalaksa	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	22271	Shoina	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
VI	22522	Kem'-Port	Russia	Russia	A-22		216			MALAHIT	RADIOTHEODOLITE	MALAHIT	12/92
VI	22550	Arhangel'sk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	22845	Kargopol	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23022	Amderma	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23205	Nar'jan-Mar	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23330	Salehard	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	23418	Pechora	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	23472	Turuhansk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23552	Tarko-Sale	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	23804	Syktyvkar	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23884	Bor	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23921	Ivdel'	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	23933	Hanty-Mansijsk	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	23955	Aleksandrovskoe	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24125	Olenek	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24266	Verhojansk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24343	Zigansk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24507	Tura	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24641	Viljujsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24688	Ojmjakon	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24817	Erbogachen	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	24908	Vanavara	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	24944	Olekminsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	24959	Jakutsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25123	Cerskij	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25173	Mys Shmidta	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	25399	Mys Uelen	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25400	Zvbjanka	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25551	Markovo	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	25563	Anadyr'	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	25677	Beringskovkaja	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25703	Seimchan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25913	Magadan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	25954	Korf	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	26038	Tallin	Estonia	Estonia	VRS80		403	Y	V86	DIGICORA	NAVAID?	DIGICORA	01/93
VI	26063	Leningrad (Vdyeykova)	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	26258	Pskov	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
VI	26298	Bologoe	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	26422	Riga	Latvia	Latvia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
VI	26629	Kaunas	Lithuania	Lithuania	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	26702	Kaliningrad	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	26781	Smolensk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	26850	Minsk	Belarus	Belarus	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	27037	Vologda	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	27196	Kirov	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	27553	Gor'kij	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	27595	Kazan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	27612	Moskva (Dolgoprudny)	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	27947	Tambov	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	28275	Tobol'sk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	28440	Sverdlovsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	28661	Kurgan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	28698	Omsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	28722	Ufa	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	28900	Kujbysev (Bezencuk)	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	28952	Kustanaj	Cis (Kazakhstan)	Cis (Kazakhstan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	29231	Kolpashevo	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	29263	Abakan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	29282	Bogucany	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	29574	Krasnojarsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	29612	Barabinsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	29634	Novosibirsk	Russia	Russia	MRZ-T		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	29698	Nizneudinsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30054	Vitim	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30230	Kirensk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30309	Bratsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30372	Cara	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30521	Zigalovo	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30554	Bogdarin	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	30635	Ust'-Barguzin	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30673	Mogoca	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	30692	Skovorodino	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30715	Angarsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30758	Cita	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	30935	Krasnyj Cikoj	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority over station	SONDE			RADIATION		Ground equipment used	WINDFINDING		DATE
Region	Index number	Station	Country		regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type		system used	equipment used	month/ year
II	30965	Borzja	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31004	Aldan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31088	Ohotsk	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
II	31168	Ajan	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORITE-1	12/92
II	31300	Zeja	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31329	Ekimcan	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31369	Nikolaevsk-Na-Amure	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31510	Blagovescensk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31707	Ekatorino-Nikol'skoe	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	31735	Habarovsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31873	Dal'nerecensk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31909	Ternej	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	31960	Vladivostok	Russia	Russia	MRZ-T		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32061	Aleksandrovsk-S'skij	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32150	Juzno-Sahalinsk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32165	Juzno-Kuril'sk	Russia	Russia	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	32186	Urup	Russia	Russia	MR Z		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32217	Severo-Kuril'sk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32389	Kljuci	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32540	Petropavlosk-Ka'skij	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	32618	Nikol'skoe	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	33008	Brest	Belarus	Belarus	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	33041	Gomel'	Belarus	Belarus	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	33345	Kiev	Cis (Ukraine)	Cis (Ukraine)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	
VI	33393	L'vov	Cis (Ukraine)	Cis (Ukraine)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
VI	33631	Uzgorod	Cis (Ukraine)	Cis (Ukraine)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	
VI	33658	Chernovcy	Cis (Ukraine)	Cis (Ukraine)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
VI	33815	Kishinev	Cis (Moldova)	Cis (Moldova)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
VI	33837	Odessa	Cis (Ukraine)	Cis (Ukraine)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
VI	33946	Simferopol'	Cis (Ukraine)	Cis (Ukraine)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
VI	34009	Kursk	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	34122	Voronez	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	34172	Saratov	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	METEORIT	12/92
VI	34300	Har'kov	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	34560	Volgograd	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	34731	Rostov-Na-Donu	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	34858	Divnoe	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
VI	34880	Astrahan'	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	35108	Ural'sk	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ	MARS	1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	35121	Orenburg	Russia	Russia	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	12/92
II	35229	Aktyubinsk	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	35394	Karaganda	Cis (Kazakhstan)	Cis (Kazakhistan)	MARS		1782	Y		METEOR IT	SECONDARY RADAR	METEORIT	02/93
VI	35700	Gur'ev	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	35746	Aral'sk	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	35796	Balhas	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	36177	Semipalatinsk	Cis (Kazakhstan)	Cis (Kazakhistan)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	02/93
II	36870	Alma-Ata	Cis (Kazakhstan)	Cis (Kazakhistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
VI	37018	Tuapse	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	37054	Mineral'nye Vody	Russia	Russia	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	12/92
VI	37260	Suhumi	Cis (Georgia)	Cis (Georgia)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
VI	37549	Tbilisi	Cis (Georgia)	Cis (Georgia)	MRZ		1782	Y		AVK	SECONDARY RADAR	METEORIT	02/93
VI	37789	Erevan	Cis (Azerbaydzhan)	Cis (Azerbaydzhan)	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	02/93
VI	37985	Lenkoran'	Cis (Azerbaydzhan)	Cis (Azerbaydzhan)	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	02/93
II	38062	Kzyl-Orda	Cis (Kazakhstan)	Cis (Kazakhstan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	38341	Dzhambul	Cis (Kazakhstan)	Cis (Kazakhstan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38353	Bishkek	Cis (Kazakhstan)	Cis (Kazakhstan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38392	Tasauz	Cis (Turkmenistan)	Cis (Turkmenistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38457	Tashkent	Cis (Uzbekistan)	Cis (Uzbekistan)	MRZ-T		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38507	Krasnovodsk	Cis (Turkmenistan)	Cis (Turkmenistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38687	Chardzhou	Cis (Turkmenistan)	Cis (Turkmenistan)	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	02/93
II	38750	Gasan-Kuli	Cis (Turkmenistan)	Cis (Turkmenistan)	MRZ		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38836	Dushanbe	Cis (Tadzhikistan)	Cis (Tadzhikistan)	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	02/93
II	38880	Ashgabad	Cis (Turkmenistan)	Cis (Turkmenistan)	MRZ-T		1782	Y		AVK	SECONDARY RADAR	AVK	02/93
II	38954	Horog	Cis (Tadzhikistan)	Cis (Tadzhikistan)	MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	02/93
VI	40007	Aleppo	Syria	Syria	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	01/93
VI	40080	Damascus A/P	Syria	Syria	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	01/93
VI	40100	Beyrouth (Aeroport)	Lebanon	Lebanon	VRS80		403			PP11			
VI	40179	Bet Dagan	Israel	Israel	VIZ		1392				RADIOTHEODOLITE	BENDIX	
VI	40265	Mafraq	Jordan	Jordan	VRS80		403	N		ARIGA/RDS65A			12/92
II	40373	Qaisumah	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40375	Tabuk	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40394	Hail	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40416	Dhanran	Saudi Arabia	Saudi Arabia	VRS80N		403		V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40430	Madinah	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40437	King Khaled Int. A/P	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40582	Kuwait Int. Airport	Kuwait	Kuwait	VRS80N		403	Y	V86	DIGICORA	OMEGA/RADAR	CORA/ENTERPRISE	10/92
II	40650	Baghdad	Iraq	Iraq	VRS80N		403	Y	V82	MICROCORA	OMEGA/RAD THEOD	MICROCORA/METOX	
II	40706	Tabriz	Iran	Iran	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
II	40745	Mashhad	Iran	Iran	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40754	Tehran-Mehrabad	Iran	Iran	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
II	40766	Kermanshah	Iran	Iran	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	40800	Esfahan	Iran	Iran	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
II	40809	Birjand	Iran	Iran	VRS80		403			PP11	OPT.THEODOLITE		12/92
II	40841	Kerman	Iran	Iran	VRS80		403			PP11	RADAR	PLESSEY WF2	12/92
II	40848	Shiraz	Iran	Iran	VRS80		403			PP11	RADAR	PLESSEY WF2	12/92
II	40875	Bandar-Abbas	Iran	Iran	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	40938	Herat	Afghanistan	Afghanistan			0						
II	40948	Kabul Airport	Afghanistan	Afghanistan			0						
II	40990	Kandahar Airport	Afghanistan	Afghanistan			0						
II	41024	Jeddah (Kaa Int. A/P)	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	41114	Khamis Mushait	Saudi Arabia	Saudi Arabia	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	41170	Doha Int. Airport	Qatar	Qatar	VRS80		403						11/92
II	41217	Abu Dhabi Int. A/P	United Arab Emirates	United Arab Emirates			0						
II	41256	Seeb Int. Airport	Oman	Oman	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
II	41316	Salalah	Oman	Oman	VIZ		400	N			LORAN-C	VIZ?	12/92
II	41344	Sana'a	Yemen	Yemen	VRS80		403			RT/AR			12/92
II	41480	Aden	Yemen	Yemen	VRS80N		403	Y	V86	MOD-CORA	OMEGA	MOD-CORA	12/92
II	41494	Socotra	Yemen	Yemen	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
II	41530	Peshawar	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41594	Sargodha	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41640	Lahore	Pakistan	Pakistan	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
II	41661	Quetta (Sheikh Manda)	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41675	Multan	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41739	Panjgur	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41780	Karachi Airport	Pakistan	Pakistan	VRS80		403	N		PP11/ME12	RADIOTHEODOLITE		12/92
II	41923	Dhaka	Bangladesh	Bangladesh	VIZ	MEISEI	1680	N		RD-65	RADIOTHEODOLITE	R D-65	01/93
II	42027	Srinagar	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	42101	Patiala	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	42182	New Delhi	India	India	IM MK3		401			WBRT/SAMEER	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42314	Dibrugarh	India	India	IM MK3		401			RSGE	RADAR	EEC(USA)+ECIL	12/92
II	42339	Jodhpur	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42361	Gwalior	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	42369	Lucknow/Amausi	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42379	Gurakhpur	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	42397	Siliguri	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	42410	Gauhati	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42492	Patna	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	42647	Ahmadabad	India	India	IM MK3		401			RSGE	RADAR	EEC & ECIL	12/92
II	42667	Bhopal/Bairagarh	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	42700	Ranchi	India	India	IM MK3		401			RSGE	RADIOTHEODOLITE	METOX & ECIL	12/92
II	42724	Agartala	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	42779	Pendra Road	India	India	IM MK3		401			SMPU	RADIOTHEODOLITE	SMPU(INDIA)	12/92
II	42809	Calcutta/Dum Dum	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42867	Nagpur Sonegaon	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	42971	Bhubaneswar	India	India	IM MK3		401			RSGE	RADAR	SELENIA & ECIL	12/92
II	43003	Bombay/ Santacruz	India	India	IM MK3		1680			WBRT	RADIOTHEODOLITE	SERVO CORP. USA	12/92
II	43014	Aurangabad Chik Aero	India	India	IM MK3		401			SMPU	RADIOTHEODOLITE	SMPU (INDIA)	12/92
II	43041	Jagdalpur	India	India	IM MK3		401			SMPU	RADIOTHEODOLITE	SMPU(INDIA)	12/92
II	43128	Hyderabad Airport	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	43150	Visakhapatnam	India	India	IM MK3		401			RSGE	RADAR	SELENIA & ECIL	12/92
II	43185	Machilipatnam	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	43192	Goa/Panjim	India	India	IM MK3		401			RSGE	RADAR	SELENIA & ECIL	12/92
II	43279	Madras/ Minambakkam	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	43285	Mangalore	India	India	IM MK3		401			RSGE	RADAR	SELENIA & ECIL	12/92
II	43295	Bangalore	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92

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II	43311	Amini Divi	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	43333	Port Blair	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	43346	Karaikal	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	43353	Kuchi	India	India	IM MK3		401			RSGE		ECIL	12/92
II	43369	Minicoy	India	India	IM MK3		401			SAMEER	RADIOTHEODOLITE	SAMEER(INDIA)	12/92
II	43371	Trivandrum	India	India	IM MK3		401			RSGE	RADAR	BEL(INDIA)	12/92
II	43599	Gan	Maldives				0						
II	44212	Ulan-Gom	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44231	Muren	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44259	Choibalsan	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44277	Altai	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44288	Arbaiher	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44292	Ulan-Bator	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44354	Sainshand	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	44373	Dalanzadgad	Mongolia	Mongolia	MARS		1782			METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	45004	King's Park	Hong Kong	Hong Kong	VRS80N		403	Y	V86	MOD CORA	OMEGA	MOD CORA	12/92
II	47041	Hamheung	D.P.R. of Korea				0						
II	47058	Pyongyang	D.P.R. of Korea				0						
II	47122	Osan Ab	Rep. of Korea	Rep. of Korea	J/YANG		403	N		WO-2000A	OMEGA	WO-2000A	12/92
II	47138	Pohang	Rep. of Korea	Rep. of Korea	J/YANG		403	N		WO-2000AT	OMEGA	WO-2000AT	12/92
II	47158	Kwangju Ab	Rep. of Korea	Rep. of Korea	J/YANG		403	N		WO-2000A	OMEGA	WO-2000A	12/92
II	47185	Cheju Upper/Radar	Rep. of Korea	Rep. of Korea	J/YANG		403	N		WO-200AT	OMEGA	WO-2000AT	12/92
II	47401	Wakkanai	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47412	Sapporo	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47420	Nemuro	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47580	Misawa	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47582	Akita	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93

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II	47590	Sendai	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47600	Wajima	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47646	Tateno	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47678	Hachijojima/ Omure	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47681	Hamamatsu Ab	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47744	Yonago	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47778	Shionomisaki	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEIS EI	01/93
II	47807	Fukuoka	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47827	Kagoshima/ Yoshino	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47881	Tokushima Ab	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47909	Naze/ Funchatoge	Japan	Japan	MEIR91		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47918	Ishigakijima	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISE I	01/93
II	47936	Naha/ Kagamizu	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47945	Minamidaitojima	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	01/93	01/93
II	47971	Chichijima	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47981	Twojima	Japan	Japan	MEIR80		1680			THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	47991	Minamitorishima	Japan	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
II	48042	Mandalay	Myanmar	Myanmar	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
II	48097	Yangon	Myanmar	Myanmar	VRS18		403	Y		RS18	RADIOTHEODOLITE		01/93
II	48327	Chiang Mai	Thailand	Thailand	VIZ		403	N		METOX	RAD THEOD/OMEGA	METOX/BEUKERS	01/93
II	48407	Ubon Ratchathani	Thailand	Thailand	VIZ	AIR	403	N		METOX/AIR	RADIOTHEODOLITE	METOX/A IR	01/93
II	48455	Bangkok	Thailand	Thailand	VRS80N	VIZ	403	Y		METOX/ MICROCORA	RAD THEOD/OMEGA	METOX/ MICROCORA	01/93
II	48565	Phuket Airport	Thailand	Thailand	AIR		1680	N		AIR/HP COMP.	RADIOTHEODOLITE	AIR	01/93
II	48568	Songkhla	Thailand	Thailand	VIZ		403	N		METOX	RAD THEOD/OMEGA	METOX/BEUKERS	01/93
V	48601	Penang/Bayan Lepas	Malaysia	Malaysia	VRS80		403	Y		PP11	RADAR	PLESSEY WF3	12/93
V	48615	Kota Bharu	Malaysia	Malaysia	VIZ		403	Y		W9000	OMEGA	W9000	12/93

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority over station	SONDE			RADIATION		Ground equipment used	WINDFINDING		DATE
Region	Index number	Station	Country		regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type		system used	equipment used	month/ year
V	48648	Kuala Lumpur/Jaya	Malaysia	Malaysia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/93
V	48657	Kuantan	Malaysia	Malaysia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/93
V	48698	Singapore/Changi A/P	Singapore	Singapore	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
II	48820	Ha Noi	Vietnam	Vietnam	MARS		1780	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	12/92
II	48900	Ho Chi Minh City	Vietnam	Vietnam	A-22		216	Y		MALAHIT	RADIOTHEODOLITE	MALAHIT	12/92
II	50527	Hailar	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	50557	Nenjiang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	50774	Yichun	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	50953	Harbin	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51076	Altay	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51431	Yining	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51463	Urumqi	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51644	Kuqa	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51709	Kashi	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51777	Ruoqiang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51828	Hotan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	51848	Andir	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52203	Hami	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52267	Ejin Qi	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52323	Mazong Shan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52418	Dunhuang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52533	Jiuquan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52681	Minqin	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52818	Golmud	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52836	Dulan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52866	Xining	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	52889	Lanzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	53068	Erenhot	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53463	Huhhot	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53513	Linhe	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53614	Yinchuan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53772	Taiyuan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53845	Yan An	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	53915	Pingliang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54102	Xilin Hot	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54135	Tongliao	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54161	Changchun	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54218	Chifeng	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54292	Yanji	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54337	Jinzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54342	Shenyang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54374	Linjiang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54497	Dandong	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54511	Beijing	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54662	Dalian	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54823	Jinan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	54857	Qingdao	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	55299	Nagqu	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	55591	Lhasa	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56029	Yushu	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56080	Hezuo	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56137	Qamdo	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56146	Garze	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56294	Chengdu	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	56571	Xichang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56691	Weining	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56739	Tengchong	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56778	Kunming	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56964	Simao	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	56985	Mengzi	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57036	Xi'an	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57083	Zhengzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57127	Hanzhong	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57178	Nanyang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57447	Enshi	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57461	Yichang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57494	Wuhan	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57516	Chongqing	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57679	Changsha	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57749	Huaihua	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57816	Guiyang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57957	Guilin	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57972	Chenzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	57993	Ganzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58027	Xuzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58150	Sheyang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58203	Fuyang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58238	Nanjing	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58367	Shanghai	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58424	Anqing	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58457	Hangzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
II	58606	Nanchang	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58633	Qu Xian	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58666	Dachen Dao	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58725	Shaowu	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58847	Fuzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	58968	Taibei	Taiwan				0						
II	59134	Xiamen	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59211	Bose	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59265	Wuzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59287	Guangzhou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59316	Shantou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59431	Nanning	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59758	Haikou	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
II	59981	Xisha Dao	China	China	SHANG		400	Y			SECONDARY RADAR	BRIDGE MACH	12/92
I	60020	Santa Cruz Tenerife	Canary Is. (Spain)	Spain	VRS80N		403	Y	V82	MOD CORA	OMEGA	MOD CORA	12/92
I	60155	Casablanca	Morocco	Morocco	MES		0				RADIOTHEODOLITE	MORIN	
I	60191	Beni-Mellal	Morocco	Morocco	MES		0				RADIOTHEODOLITE	MORIN	
I	60250	Agadir	Morocco	Morocco	MES		0				OPT. THEOD?		
I	60390	Dar-El-Beida	Algeria	Algeria	VRS80		403	Y	V86	DACOS	RADIOTHEODOLITE		
I	60550	Elbayadh	Algeria	Algeria	VRS80		403	Y	V86	DACOS	SECONDARY RADAR		
I	60571	Bechar	Algeria	Algeria	VRS80		403	Y	V86	DACOS	RADIOTHEODOLITE		
I	60630	In Salah	Algeria	Algeria	VRS80		403	Y	V86	DACOS	RADIOTHEODOLITE		
I	60680	Tamanrasset	Algeria	Algeria	VRS80		403	Y	V86	DACOS	RADIOTHEODOLITE		
I	60715	Tunis Carthage	Tunisia	Tunisia	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAVAID	10/92
I	60760	Tozeur	Tunisia	Tunisia	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAVAID	10/92
I	61024	Agadez-Sud	Niger	Niger	VRS80N		403	Y	V86	DIGICORA MW11	OMEGA	DIGICORA	12/92
I	61052	Niamey-Aero	Niger	Niger	VRS80N		403	Y	V86	DIGICORA MW11	OMEGA	DIGICORA	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
I	61223	Tombouctou	Mali	Mali	VRS80		403	N		CITAR/PP11	RADIOTHEODOLITE		
I	61291	Bamako/Senou	Mali	Mali	VRS80		403	N		CITAR/PP11	RADIOTHEODOLITE		
I	61415	Nouadhibou	Mauritania	Mauritania	VRS80		403			CITAR/PP11	RADAR?		
I	61641	Dakar/Yoff	Senegal	Senegal	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	04/93
I	61901	St. Helena	St Helena S.Atlantic	UK Met. Office METOP	VRS80N		403	Y	V93	PC-CORA	OMEGA	PC-CORA+SP011	09/93
I	61902	Wide Awake Field	Ascension Is.	US Air Force	MSS	VIZ	1680	N			RADIOTHEODOLITE		12/92
I	61967	Diego Garcia	Diego Garcia	US Navy	VRS80N		400	Y	V86	MARWIN	OMEGA	MARWIN	
I	61976	Tromelin	Ile Tromelin	France	VWS80		403	N		PP1 1/STAR	RADIOTHEODOLITE	MES.	12/92
I	61995	Vacoas	Mauritious				0	N			RADAR	PLESSEY WF3	01/93
I	61996	Martin de Vivies	Ile Amsterdam	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92
I	61998	Port-aux-Francais	Iles Kerguelen	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92
I	62010	Tripoli Int Airport	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62019	Sirte	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62053	Benina	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62062	Tobruk	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62103	Ghadames	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62124	Sebha	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62212	Ghat	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62271	Kufra	Libya	Libya	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
I	62306	Mersa Matruh	Egypt	Egypt	VIZ		403	N		U6600	RADAR	EEC	12/92
I	62378	Helwan	Egypt	Egypt	VIZ		403	N		U6600	RADAR	EEC	12/92
I	62414	Asswan	Egypt	Egypt	VIZ		403	N		RADTRAC/ PLESSY	RADAR	PLESSEY	12/92
I	62721	Khartoum	Sudan	Sudan	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	04/93
I	63450	Addis Ababa	Ethiopia	Ethiopia	VRS80N		403	Y	V86	DIGICORA/PP11	OMEGA	NAVAID	11/92
I	63612	Lodwar	Kenya	Kenya	MES73A		405	N		RSV 2/9915	RADAR	ZEPHYR	01/93
I	63741	Nairobi/Dagoretti	Kenya	Kenya	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93

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WMO		NAME		Technical authority over station	SONDE			RADIATION		Ground equipment used	WINDFINDING		DATE
Region	Index number	Station	Country		regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type		system used	equipment used	month/ year
I	63985	Seychelles Int. A/P	Seychelles	UK Met. Office METOP	VRS80		403	Y	V86	PP11	RADAR	PLESSEY WF3	12/92
I	64650	Bangui	Central African Rep.	Central African Rep.	VRS80		403	N		METOX/PP11	RADIOTHEODOLITE		
I	64910	Douala R.S.	Cameroon	Cameroon	VRS80		403	Y	V86	DIGICORA	OMEGA	NAVAID	
I	65578	Abidjan	Côte d'Ivoire	Côte d'Ivoire	VRS80		403	N		CITAR/PP1 1	RADAR	CITAR	02/93
I	67083	Antananarivo/Ivato	Madagascar	Madagascar	VRS80		403	N		OMERA/PP11	RADAR ?		
I	67197	Fort-Dauphin	Madagascar	Madagascar	VRS80		403	N		OMERA/PP11	RADAR?		
I	67237	Nampula	Mozambique	Mozambique	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAVAID	11/92
I	67341	Maputo/Mavalane	Mozambique	Mozambique	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAV AID	
I	67475	Kasama	Zambia				0						
I	67586	Kamuzu Intl. Airport	Malawi	Malawi	MES73A		403	N		HEWLETT PACKARD	RADIOTHEODOLITE		12/92
I	67666	Lusaka City Airport	Zambia	Zambia	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAVAID	
I	67774	Harare (Belvedere)	Zimbabwe	Zimbabwe	VRS80		403	Y	V82?	PP11	RADAR	PLESSEY/ZEPHYR	12/92
I	67843	Victoria Falls	Zimbabwe	Zimbabwe	VRS80		403	Y	V86	DIGICORA	RADAR	DIGICORA/ZEPHYR	12/92
I	67964	Bulawayo (Goetz Obs)	Zimbabwe	Zimbabwe	VRS80		403	Y	V82?	PP11	RADAR	PLESSEY/ZEPHYR	12/92
I	68032	Maun	Botswana		VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
I	68040	Letlhakane	Botswana		VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
I	68110	Windhoek	Namibia		VRS80N		403	Y	V86	DIGICORA?	OMEGA	DIGICORA?	01/93
I	68174	Pietersburg	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68240	Seretse Khama A/P	Botswana	Botswana	VRS80		403	N		PP11?	RADIOTHEODOLITE		01/93
I	68263	Pretoria (Irene)	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68424	Upington	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68442	Bloemfontein (Jbmh)	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68461	Bethlehem Airport	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68512	Springbok	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68536	De Aar	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68588	Durban (Louis Botha)	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
I	68816	Cape Town (D.F. Malan)	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68842	Port Elizabeth	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68906	Gough Island	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
I	68994	Marion Island	South Africa	South Africa	VRS80N		1680			PP11	OMEGA	NAVAID	01/93
IV	70026	Barrow/W.Post W.Rod'	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70086	Barter Island	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70133	Kotzebue Ralph Wien	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70200	Nome	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70219	Bethel Airport	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70231	Mcgrath	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70261	Fairbanks/Int.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70266	Fort Greely/ Allen	United States	United States									12/92
IV	70273	Anchorage/ Int.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70308	St. Paul	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70316	Cold Bay	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70326	King Salmon	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70350	Kodiak	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70361	Yakutat	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70398	Annette Island	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	70414	Shemya Afb	United States	United States	MSS		1680	N		GMD5	RADIOTHEODOLITE	GMD5	12/92
IV	70454	Adak/ Navy	United States	United States	VRS80N		1680	Y	V86	MARWIN	OMEGA	NAVAID	12/92
IV	71043	Norm'wells Ua, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71072	Mould Bay, N.W.T.	Canada	Canada	VIZB		403	N		VIZ MARK 2	RADIOTHEODOLITE	VIZ MARK 2	12/92
IV	71081	Hall Beach, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71082	Alert, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71109	Port Hardy, B.C.	Canada	Canada	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
IV	71115	Vernon, B.C.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
IV	71119	Edmonton Stony Plain	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71600	Sable Island, N.S.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71603	Yarmouth, N.S.	Canada	Canada	VIZB		403	N		VIZ MARK 2	LORAN	VIZ MARK 2	12/92
IV	71801	St.John's Ua, Nfld.	Canada	Canada	VIZB		403	N		VIZ MARK 2	LORAN	VIZ MARK 2	12/92
IV	71811	Sept-Iles Ua, Que	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71815	Stephenville, Nfld.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71816	Goose Ua, Nfld.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71823	La Grande IV, Que.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71836	Moosonee	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71845	Pickle Lane, Ont.	Canada	Canada	VIZB		403	N		VIZ MARK 2	LORAN	VIZ MARK 2	12/92
IV	71867	The Pas, Man.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71896	Prince George, B.C.	Canada	Canada	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
IV	71906	Kuujjaqua Ua, Que.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71907	Inukjuak, Que.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71909	Iqaluit Ua, N.W.T.	Canada	Canada	VIZB		403	N		VIZ MARK 2	OMEGA	VIZ MARK 2	12/92
IV	71913	Churchill Man.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71915	Coral Harbour, N.W.T.	Canada	Canada	VIZB		403	N		VIZ MARK 2	OMEGA	VIZ MARK 2	12/92
IV	71917	Eureka, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71924	Resolute, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71925	Cambridge Bay, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71926	Baker Lake Ua N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71934	Fort Smith Ua, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71945	Fort Nelson Ua, B.C.	Canada	Canada	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
IV	71957	Inuvik Ua, N.W.T.	Canada	Canada	VAL		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
IV	71964	Whitehorse ,Y.T.	Canada	Canada	VIZB		403	N		VIZ MARK 2	LORAN	VIZ MARK 2	12/92
IV	72201	Key West/Int., FL.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72203	West Palm Beach/Int.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
IV	72208	Charleston/Mun., SC.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72209	Ft. Stewart, GA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72210	Tampa Bay Area, FL.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72213	Waycross/Ware Co., FL	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72214	Tallahassee, FL	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72221	Valparaiso/Eglin Afb	United States	United States	VRS80L		1680	Y	V86	DIGICORA	LORAN	NAVAID	12/92
IV	72225	Fort Benning, GA	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72229	Centreville, AL.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72233	Slidel	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72235	Jackson/Allen C.T. FD	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72239	Fort Polk, LA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72240	Lake Charles/Mun., LA	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72247	Longview, TX.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72250	Brownsville/Int., TX.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72251	Corpus Christie, TX.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72257	Fort Hood, TX.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72260	Stephenville C Field	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72261	Del Rio/Int., TX.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72265	Midland Reg.Air Term	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72269	White Sands, NM.	United States	United States	VRS80N		1680	Y	V86		OMEGA	NAVAID	12/92
IV	72270	El Paso/Int., TX.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72274	Tucson/Int., AZ.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72291	San Nicolas Is./Nf	United States	United States	VRS80N		1680	Y	V86	MARWIN	OMEGA	NAVAID	12/92
IV	72293	San Diego/Miramar	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72304	Cape Hatteras, NC.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72311	Athens/Mun., GA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72317	Greensboro/G.High Pt	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
IV	72327	Nashville/Old Hick'y	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72340	N.Little Rock M.A/P.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72349	Monett, MO.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72355	Fort Sill, OK.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72357	Paducah, KY.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72363	Amarillo/Intl., TX.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72365	Albuquerque/Int., NM.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72374	Winslow/Mun., AZ.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72381	Edwards Afb, CA.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	72387	Mercury/Desert Rock	United States	United States	VRS80N		1680	Y	V86	DIGICORA	OMEGA	NAVAID	12/92
IV	72393	Vandenberg Afb, CA.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	72402	Wallops Island, VA.	United States	United States	VIZ		1680	N			LORAN	BEUKERS	12/92
IV	72403	Sterling, VA.	United States	United States	VIZ		403	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72407	Atlantic City, NJ.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72424	Ft. Knox, KY.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72425	Huntington/Tristate	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72429	Sulpher Grove, OH.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72435	Norman, OK.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72451	Dodge City/Mun., KS.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72456	Topeka/Mun., KS.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72468	Fort Carson, CO.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72469	Denver/Stapleton Int.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72476	Grand Jn/Walker, Fld.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72486	Ely/Yelland, NV.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72493	Oakland Int., CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72518	Albany Co., NY.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72520	Pittsburgh/Moon Town	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
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IV	72528	Greater Buffalo Int.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72532	Greater Peoria, IL.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72553	Omaha, NE.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72562	N.Platte/Lee Bird, NE.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72572	Salt Lake City/Int.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72576	Lander /Hunt, WY.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72583	Winnemucca/Mun., NV.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72597	Medford Jackson Cty.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72606	Portland/Int.Jet Pt.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72637	Flint/Bishop, MI.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72645	Green Bay/A. Straubel	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72654	Huron Regional, SD.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72655	St. Cloud/Whitney, MN.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72662	Rapid City/Reg., SD.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72681	Boise/Mun., ID.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72694	Salem/Mcnary, OR.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72712	Caribou/Mun., ME.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72734	Sault Ste.Marie, MI.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72747	Falls Int., MN.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72764	Bismarck/Mun., ND.	United States	United States	SDC		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72768	Glasgow/Int., MT.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72775	Great Falls /Int., MT.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72785	Spokane/Int., WA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	72797	Quillayute, WA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	73455	Fort Riley, KS.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74230	Miles City, MT.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74420	Roosevelt, UT.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92

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IV	74421	Craig, CO.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74494	Chatham , MA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74500	Sheridan, CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74501	Freshpond, CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74504	Pilar Point Afs, CA.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	74521	Durango, CO.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74606	S. Vandenberg Afb, CA.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	74611	Bicycle Lake Aaf, CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74612	China Lake NAF, CA.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	74630	Stallion Aaf, NM.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74631	White Sands Site 32	United States	United States	VRS80N		1680	Y	V86	DIGICORA	OMEGA	NAVAID	12/92
IV	74702	Lemoore, CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74718	Salton Sea, CA.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74731	Big Spring, TX.	United States	United States	VIZ		1680	N			RADIOTHEODOLITE	SERVO CORP	12/92
IV	74733	Northrup Land. Strip	United States	United States	VRS80N		1680	Y	V86	DIGICORA	OMEGA	NAVAID	12/92
IV	74734	White Sands Site 39	United States	United States	VRS80N		1680	Y	V86	DIGICORA	OMEGA	NAVAID	12/92
IV	74794	Cape Canaveral, FL.	United States	United States	MSS		1680	N		MSS	RADIOTHEODOLITE	MSS	12/92
IV	76151	Isla Guadalupe, UC.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76225	Univ. de Chihuahua.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76256	Empalme SON.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76394	Aerop Int. Monterrey.	Mexico	USA	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76458	Colonia Juan Carras'	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76612	Guadalajara, JAL.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76644	Aerop. Int. Merida	Mexico	Mexico	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76654	Manzanillo, COL.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD 1	
IV	76679	Aerop. Int. Mexico, DF.	Mexico	Mexico	VIZ		1680	N			RADIOTHEODOLITE	GMD-1	
IV	76692	Hacienda Ylang Ylang	Mexico	Mexico	VIZ		1680	N			RADIOTHEODOLITE	GMD-1	

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
IV	76723	Isla Socorro, COL.	Mexico	USA NWS	VIZ		1680	N			RADIOTHEODOLITE	GMD-1	
IV	78016	N.A.S. Kindley	Bermuda	United States	VIZ		0				RADIOTHEODOLITE	GMD	
IV	78073	Nassau Airport	Bahamas	USA NWS	VIZ		1680	N		GMD-1	RADIOTHEODOLITE	GMD-1	01/93
IV	78355	Camaguey Cameguey	Cuba		MARS		1782	Y		METEORIT-2	SECONDARY RADAR	METEORIT-2	
IV	78367	Guantanamo Oriente	Cuba	USA (Navy)			0						
IV	78384	O.R.A. Grand Cayman	Cayman Islands	USA NWS	VIZ		1680				RADIOTHEODOLITE		
IV	78397	Kingston /Nor' Man'	Jamaica	USA NWS	VIZ		1680				RADIOTHEODOLITE		
IV	78486	Santo Domingo	Dominican Republic.	USA NWS	VIZ		1680	N		GMD-1	RADIOTHEODOLITE	GMD-1	12/92
IV	78526	San Juan/Int.	Puerto Rico	United States	VIZ		0				RADIOTHEODOLITE		
IV	78583	Belize/Int. Airport	Belize	USA NWS	VIZ		1680	N			RADIOTHEODOLITE		12/92
IV	78762	Juan Santamaria	Costa-Rica	Costa-Rica	VIZ		1680	N		GMD-1	RADIOTHEODOLITE	GMD-1	01/93
IV	78861	Coolidge Field	Antigua.		VIZ		1680			GMD-4	RADIOTHEODOLITE	GMD-4	
IV	78866	Juliana Airport	St.Maarten.		VIZ		1680						
IV	78897	Le Raizet	Guadeloupe		VRS80		403	Y	V86	PP11/STAR	RADIOTHEODOLITE	MES.	12/92
IV	78954	Grantley Adams	Barbados		VIZ		1680	N			RADIOTHEODOLITE		
IV	78970	Piarco Int.Airport	Trinidad	USA NWS	VIZ		1680	N		GMD-1	RADIOTHEODOLITE	GMD-1	12/92
IV	78988	Hato Airport	Curacao		VIZ		1680	N					12/92
III	80001	San Andres-Isla	Colombia	Colombia	VIZ		1680	N		GMD-1	RADIOTHEODOLITE	GMD-1	12/92
III	80035	Riohacha	Colombia	Colombia	VRS80N		403	Y	V86	MARWIN II	OMEGA	MARWIN II	12/92
III	80222	Bogota/Eldorado	Colombia	USA NWS	VIZ		1680	N		GMD1	RADIOTHEODOLITE	GMD1	12/92
III	80241	Gaviotas	Colombia	Colombia	VRS80N		403	Y	V86	MARWIN II	OMEGA	MARWIN II	12/92
III	80398	Leticia/Vasquez Cobo	Colombia	Colombia	VRS80N		403	N		PP11	RADIOTHEODOLITE		12/92
III	80413	Maracay-B.A. Sucre	Venezuela	Venezuela	VRS80N		1680	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	80447	San Antonio	Venezuela	Venezuela	VIZ		1680	N		RDG5	RADAR	RDG5	12/92
III	80462	Santa Elena	Venezuela	Venezuela	VIZ		1680	N		RDG5	RADAR	RDG5	12/92
III	81405	Cayenne/Rochambeau	French Guiana	France	VRS80		403	Y	V86	PP11/ STAR	RADIOTHEODOLITE	MES.	12/92
III	82193	Belem (Aeroporto)	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92

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III	82276	Alcantara	Brazil	Brazil	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	82280	Sao Luis	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	82332	Manaus (Aeroporto)	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	82397	Fortaleza	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/ 92
III	82400	Fernando de Noronha	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	82599	Natal (Airport)	Brazil	Brazil	VIZB		1680	N		VIZ/W9000	OMEGA		12/92
III	82678	Floriano	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	82765	Carolina	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	82824	Porto Velho	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	82900	Recife (Curado)	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	82965	Alta Floresta	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	82983	Petrolina	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	83208	Vilhena	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	83229	Salvador	Brazil	Brazil	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	83288	Bom Jesus da Lapa	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	83361	Cuiaba	Brazil	Brazil	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	83378	Brasilia (Airport)	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE		12/92
III	83498	Caravelas	Brazil	Brazil	VRS80		403			METOX/PP11	RADIOTHEODOLITE	METOX	12/92
III	83583	Belo Horizonte	Brazil	Brazil	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	83612	Campo Grande (A/P)	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEDOLITE		12/92
III	83650	Trindade	Brazil	Brazil	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	83746	Galeao	Brazil	Brazil	VIZB		1680			VIZ/W9000	OMEGA		12/92
III	83780	Sao Paulo (Aeroporto)	Brazil	Brazil	VRS80		403			AR15/PP11	RADIOTHEODOLITE	METOX	12/92
III	83840	Curitiba (Aeroporto)	Brazil	Brazil	VIZB		1680	N		VIZ/W9000	OMEGA		12/92
III	83971	Porto Alegre (A/P)	Brazil	Brazil	VIZB		1680	N		VIZ/W9000	OMEGA		12/92
III	84008	Galapagos	Ecuador	Ecuador	VRS80N		403	Y	V86	DIGICORA	OMEGA	NAVAID	12/92
III	84628	Lima-Callao/Aerop.	Peru	USA NWS	VIZ		0			GMD	RADIOTHEODOLITE	GMD	

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III	85201	La Paz/Alto	Bolivia	USA NWS	VIZ		0						
III	85442	Antofagasta	Chile	USA NWS	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	85469	Isla de Pascua	Chile	USA NWS	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	85543	Quintero	Chile	USA NWS	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	85799	Puerto Montt	Chile	USA NWS	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	85934	Punta Arenas	Chile	USA NWS	VRS80N		403	Y	V86	MICROCORA	OMEGA	MICROCORA	12/92
III	86218	Asuncion/Aeropuerto	Paraguay	Paraguay	VIZ		1680	N		GMD	RADIOTHEODOLITE	GMD	12/92
III	87047	Salta Aero	Argentina	Argentina	VRS80		403	N		PP11	RADIOTHEODOLITE		12/92
III	87155	Resistencia Aero	Argentina	Argentina	VRS80N		403	Y	V86?	MICROCORA	OMEGA	MICROCORA	12/92
III	87344	Cordoba Aero	Argentina	Argentina	VRS80		403	N		PP11	RADIOTHEODOLITE		12/92
III	87418	Mendoza Aero	Argentina	Argentina	VRS80		403	N		PP11	RADIOTHEODOLITE		12/92
III	87576	Ezeiza Aero	Argentina	Argentina	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
III	87623	Santa Rosa Aero	Argentina	Argentina	VRS80N		403	Y	V86?	MICROCORA	OMEGA	MICROCORA	12/92
III	87715	Neuquen Aero	Argentina	Argentina	VRS80N		403	Y	V86?	MICROCORA	OMEGA	MICROCORA	12/92
III	87748	Comandante Espora Ba	Argentina	Argentina									12/92
III	87860	Comodoro Rivadavia	Argentina	Argentina	VRS80N		403	Y	V86?	MICROCORA	OMEGA	MICROCORA	12/92
III	88889	Mount Pleasant	Falkland Islands	UK Met. Office METDS	VRS80N		403	Y	V82	MICROCORA	OMEGA	MICROCORA	12/92
ANT	89001	S.A.N.A.E. (closed)	Antarctica	South Africa	VRS80		1680			PP11			01/93
ANT	89002	Georg Von Neumayer	Antarctica	FRG	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
ANT	89009	Amundsen-Scott	Antarctica	USA	VIZ		1680						12/92
ANT	89022	Halley Bay	Antarctica	Brit Ant Survey	AIR		1680	N		AIR SYSTEM	RADIOTHEODOLITE	AIR	10/92
ANT	89050	Bellingshausen	Antarctica	USSR	MET		0						
ANT	89055	Vicecomodoro	Antarctica	Argentina	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
ANT	89056	Pdte.Eduardo Frei	Antarctica	Uruguay?			0						
ANT	89532	Syowa	Antarctica	Japan	MEIR80		1680	Y		THEOD.	RADIOTHEODOLITE	MEISEI	01/93
ANT	89542	Molodeznaja	Antarctica	USSR	MET		0						
ANT	89564	Mawson	Antarctica	Australia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92

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ANT	89571	Davis	Antarctica	Australia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
ANT	89592	Mirnyj	Antarctica	USSR	MET		0						
ANT	89611	Casey	Antarctica	Australia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
ANT	89642	Dumont d'Urville	Antarctica	France	VRS80N		403	Y	NIR	STAR	OMEGA	STAR	12/92
ANT	89664	Mcmurdo	Antarctica	USA	VIZ		1680	N					12/92
V	91066	Midway Island	Midway Is. Pacific	United States	VIZ		1680			GMD	RADIOTHEODOLITE	GMD	12/92
V	91165	Lihue	Kauai Hawaii	United States	VIZ		1680			GMD	RADIOTHEODOLITE	GMD	12/92
V	91217	Guam	Mariana Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91245	Wake Island Airfield	Wake Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91285	Hilo Gen.Lyman	Hawaii	United States	VIZ		1680			GMD	RADIOTHEODOLITE	GMD	12/92
V	91334	Truk	Caroline Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91348	Ponape	Caroline Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91366	Kwajelein/Bucholz	Marshall Is. Pacific	United States	MSS		1680			MSS	RADIOTHEODOLITE	MSS	
V	91376	Majuro	Marshall Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91408	Koror	Palau Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91413	Yap	Caroline Is. Pacific	United States	VIZ		0			GMD	RADIOTHEODOLITE	GMD	
V	91517	Honiara	Solomon Islands	Solomon Islands	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
V	91557	Bauerfield (Efate)	Vanuatu Pacific	UK Met. Office METOP	VRS80N		403	Y	NIR	MICROCORA	OMEGA	MICROCORA	12/92
V	91592	Noumea	New Caledonia	France	VRS80N		403	Y	NIR	STAR	OMEGA	STAR	12/92
V	91610	Tarawa	Kiribati Pacific	New Zealand	VRS80		403	Y	V82	PP11	RADAR	PLESSEY WF33	01/93
V	91643	Funafuti	Tuvalu Pacific	New Zealand	VRS80		403	Y	NIR	PP11	RADAR	PLESSEY WF33	01/93
V	91680	Nandi	Fiji Pacific	Fiji	VRS80		403	Y	V86	PP11	RADAR	COSSOR 353	12/92
V	91765	Pago Pago Int. A/P	Samoa Pacific		VIZ		1680	N		GMD	RADIOTHEODOLITE	GMD	04/93
V	91843	Rarotonga	Cook Is. Pacific	New Zealand							RADAR	EEC WF100	01/93
V	91925	Atuona Marquesas Is.	French Polynesia	France	VRS80		403	Y	NIR	STAR	RADIOTHEODOLITE	MES.	12/92
V	91938	Tahiti-Faaa	French Polynesia	France	VRS80		403	Y	NIR	STAR	RADIOTHEODOLITE	MES.	12/92
V	91944	Hao (Tuamotu Is.)	French Polynesia	Star	VRS80		403	Y	NIR	STAR	RADIOTHEODOLITE	MES.	12/92

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V	91948	Rikitea (Tuamotu Is.)	French Polynesia	France	VRS80		403	Y	NIR	STAR	RADIOTHEODOLITE	MES.	12/92
V	91952	Mururoa	French Polynesia	France	VRS80		403	Y	NIR	STAR	RADAR		12/92
V	91954	Tubuai	French Polynesia	France	VRS80		403	Y	NIR	STAR	RADIOTHEODOLITE	MES.	12/92
V	91958	Rapa (Austral Is.)	French Polynesia	France	VRS80N		403	Y	NIR	STAR	OMEGA	STAR	12/92
V	93012	Kaitaia	New Zealand	New Zealand	VRS80		403	Y	V86	PC-CORA	RADAR	EEC WF100	01/93
V	93417	Paraparaumu	New Zealand	New Zealand	VRS80		403	Y	V86	PC-CORA	RADAR	EEC WF100	01/93
V	93844	Invercargill A/P	New Zealand	New Zealand	VRS80		403	Y	V86	PC-CORA	RADAR	EEC WF100	01/93
V	93944	Campbell Island	New Zealand	New Zealand	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
V	93986	Chatham Island	New Zealand	New Zealand	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
V	93997	Raoul Island	New Zealand	New Zealand	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
V	94014	Madang	Papua New Guinea	Papua New Guinea	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	11/92
V	94120	Darwin Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94150	Gove Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94203	Broome Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94294	Townsville Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94299	Willis Island	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94300	Canarvon Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94302	Learmonth	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94312	Port Hedland Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94326	Alice Springs A/P	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94332	Mt. Isa Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94380	Gladstone	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94403	Geraldton	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94461	Giles	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94510	Charleville Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94527	Moree	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94578	Brisbane Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
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V	94610	Perth Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94637	Kalgoorlie Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	OPT.THEOD only		12/92
V	94638	Esperance	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94646	Forrest	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94659	Woomera Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94672	Adelaide Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94711	Cobar	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94750	Nowra Air Station	Australia	Australia	VRS80N		403	Y	V86	MARWIN	OMEGA	MARWIN	12/92
V	94767	Sydney Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94776	Williamtown	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94802	Albany Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94821	Mt Gambier Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94865	Laverton Aerodrome	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94867	Melbourne (Inactive)	Australia	Australia									12/92
V	94910	Wagga Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94975	Hobart Airport	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94995	Lord Howe Island	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94996	Norfolk Island A/P	Australia	Australia	VRS80		403	Y	V86	PC-CORA	RADAR		12/92
V	94998	Macquarie Island	Australia	Australia	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
V	96035	Medan/Polonia	Indonesia	Indonesia	VIZB		1680	N		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	96163	Padang/Tabing	Indonesia	Indonesia	VIZB		1680	N		RD65	RADIOTHEODOLITE	RD65	02/93
V	96237	Pangkalpinang	Indonesia	Indonesia	MESEI		1680	Y		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	96315	Brunei Airport	Brunei Darussalam	Brunei	VRS80		403	Y	V86	PP11	RADAR	WF100-5	12/92
V	96413	Kuching	Malaysia	Malaysia	VRS80		403	Y	?	PP11	RADAR	PLESSEY - WF3	12/92
V	96441	Bintulu	Malaysia	Malaysia	VRS80		403	Y	?	PP11	RADAR	PLESSEY - WF3	12/92
V	96471	Kota Kinabalu	Malaysia	Malaysia	VRS80		403	Y	?	PP11	RADAR	PLESSEY - WF3	12/92
V	96481	Tawau	Malaysia	Malaysia	VRS80		403	Y	?	PP11	RADAR	PLESSEY - WF3	12/92

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Table 2 • UPPER-AIR GROUND SYSTEMS AND WINDFINDING EQUIPMENT — 1993

WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
Region	Index number	Station	Country	over station	regular type used	alternative type used	frequency MHz	correction Y=Yes / N=No	correction type	equipment used	system used	equipment used	month/ year
V	96749	Kalarta/Soekarnohota	Indonesia		MESEI		1680	Y		RD65	RADIOTHEODOLITE	RD65	02/93
V	96935	Surabaya/Juanda	Indonesia	Indonesia	VIZB		1680	N		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	96996	Cocos Islands A/P	Cocos Isls. Pacific	Australia	VRS80N		403	Y	V86	PC-CORA	OMEGA	PC-CORA+SPO?	12/92
V	97014	Menado/Dr. Ratulangi	Indonesia	Indonesia	VIZB		1680	N		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	97072	Palu/Mutiara	Indonesia	Indonesia	VIZB		1680	N		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	97180	Ujungpandang	Indonesia	Indonesia	VIZB		1680	N		8020A/RD65	RADIOTHEODOLITE	RD65	02/93
V	97372	Kupang/Eltari	Indonesia	Indonesia	VIZB		1680	N		RD65	RADIOTHEODOLITE	RD65	02/93
V	97560	Biak	Indonesia	Indonesia	VIZB		1680	N		RD65	RADIOTHEODOLITE	RD65	02/93
V	98223	Laong	Philippines	Philippines	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
V	98444	Legaspi	Philippines	Philippines	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	12/92
V	98618	Puerto Princesa	Philippines	Philippines	VRS18		25	Y	?	AR16/RT 18	RADAR	EEC	12/92
V	98646	Mactan	Philippines	Philippines	VRS18		25	Y	?	AR16/RT 18	RADIOTHEODOLITE		12/92
O	DBBH	Meteor	Germany	Germany	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
O	DBLK	Polarstern	Germany?	Germany?	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
O	DUTU	Kalantio					0						
O	EREA	Musson	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	EREB	Volna	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	EREC	Priliv	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	EREH	Priboy	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	EREI	Okean	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	ERES	Viktor Bugaev	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	ERET	Georgy Ushakov	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	EREU	Ernst Krenkel	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	ESGG	Vyacheslav Frolov	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	FNOR	Fort Royal	France	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92
O	FNOU	Fort Fleur D'epee	France	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92
O	FNPH	Fort Desaix	France	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92

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WMO		NAME		Technical authority	SONDE			RADIATION		Ground	WINDFINDING		DATE
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O	FNRS	Fort Saint Charles	France	France	VRS80N		403	Y	V86	STAR	OMEGA	STAR	12/92
O	GACA	Cumulus	United Kingdom	UK Met. Office METOP	VRS80N		403	Y	V93	DIGICORA	OMEGA	DIGICORA+SP011	09/93
O	IBWQ	Flauva	Italy	Italy			0				None		
O	JBOA	Keifu Maru	Japan	Japan	MEIR80		1680	Y		THEOD	RADIOTHEODOLITE	MEISEI	01/93
O	JCCI	Chofu Maru	Japan	Japan	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
O	JDWI	Kofu Maru	Japan	Japan	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
O	LADB2	Skaugran	Canada??		VRS80		403	Y	V86?	DIGICORA	OMEGA	DIGICORA	12/92
O	LBHA	Nordkapp	Norway	Norway	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	02/93
O	LDWR	Ows Mike	Norway	Norway	VRS80L		403	Y	V86	DIGICORA	LORAN-C	DIGICORA	02/93
O	ONDA	Canmar (stopped)	United Kingdom	UK Met. Office METOP	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	01/93
O	OVYA	Nuka Ittuk	Denmark	Denmark	VRS80N		403	Y	V86	MARWIN	OMEGA	MARWIN	12/92
O	OZJP	Magnus Jensen	Denmark	Denmark	VRS80N		403	Y	V86	MARWIN	OMEGA	MARWIN	12/92
O	UBNZ	Akademik Shuliekin	USSR	USSR	VRS80		0						
O	UHQS	Akademik Korolev	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	UJFO	Professor Multanov'	USSR		VRS80		0						
O	UMAY	Akademik Shirshov	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	UMFW	Professor Zubov	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	UPUI		USSR		MET		0						
O	UUQR		USSR		MET		0						
O	UWEC		USSR	USSR	MET		0						
O	UZGH	Passat	USSR	USSR	MARS		1782	Y		METEORIT-1	SECONDARY RADAR	METEORIT-1	
O	V2LV	EWL Colombia	Germany	Germany	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	09/93
O	V2LX	EWL Suriname	Germany	Germany	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	09/93
O	VRSI	Canmar Europe	United Kingdom	UK Met. Office METOP	VRS80N		403	Y	V86	DIGICORA	OMEGA	DIGICORA	04/93
O	VSBV3	Canmar (stopped)	Finland	Finnish Met. Inst.	VRS80		403	Y	V86	DIGICORA	OMEGA	NAVAID	01/93

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