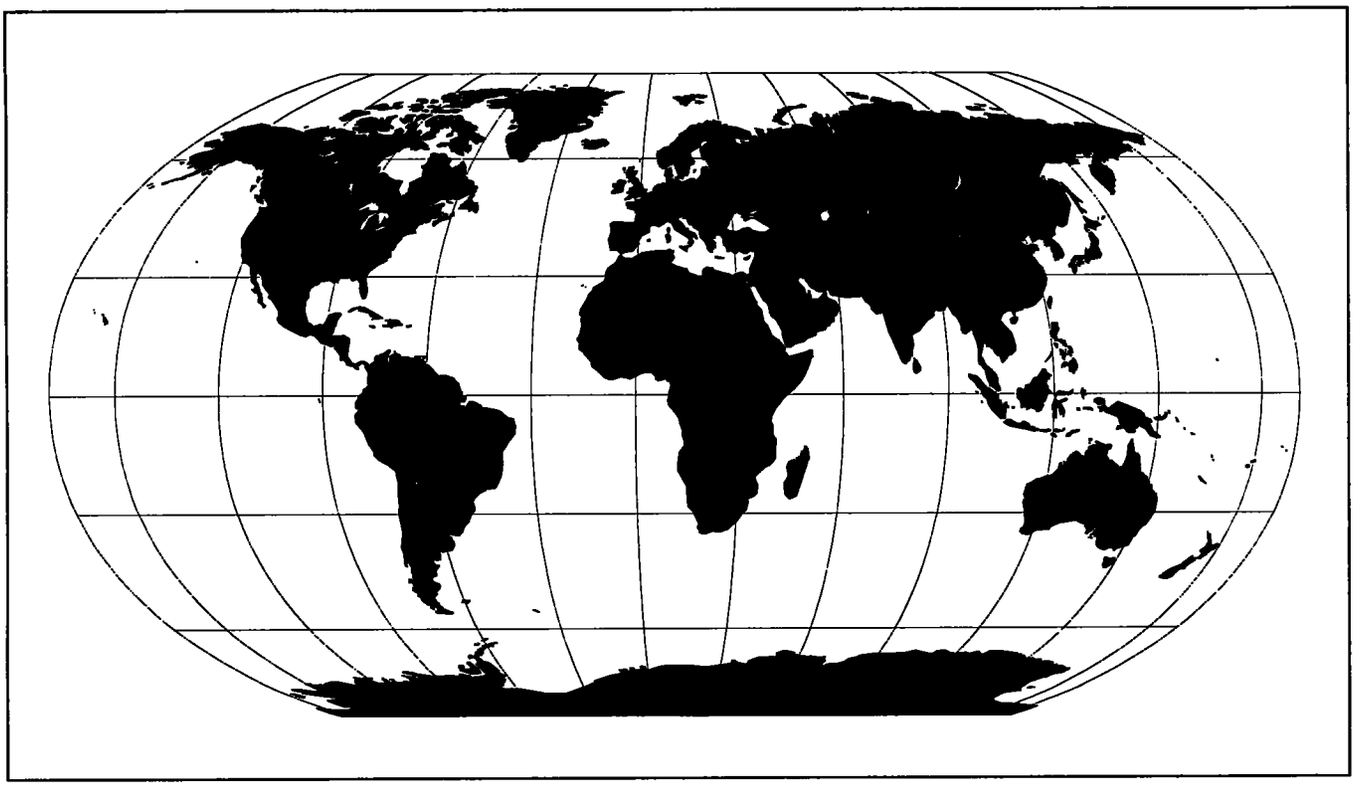
OPERATIONAL NEWSLETTER

Volume 1996 - No. 4/5 - April/May 1996



WORLD WEATHER WATCH
WORLD METEOROLOGICAL ORGANIZATION
GENEVA

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

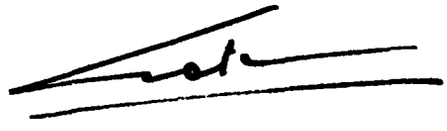
FOREWORD

The Operational Newsletter on the World Weather Watch (WWW) and Marine Meteorological Services (MMS) has been issued since 1982 at the request of the Commission for Basic Systems. It is distributed by the WMO Secretariat and is aimed at providing WWW Centres with a summary of the latest operational information on:

- The Global Observing System
- The Global Telecommunication System
- The Global Data-Processing System
- Codes
- Marine Meteorological Services

A feedback form is included in the Newsletter to assist WMO Members in reporting changes in the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

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

In addition to the printed version which is distributed by mail, the Operational Newsletter is now also available at the following locations:

For access via FTP:

WWW.WMO.CH/wmo-ddbs/Newsltrxxxx.pdf

For access via html:

http://WWW.WMO.CH/web/www/Newsltrxxxx.pdf

(xxxx indicates the year/month (eg. 9603))

PLEASE check our World Weather Watch home page at the end of each month for the most recent edition.

The file is created in Adobe Acrobat PDF format so that users can easily download, view or print the document from different computer platforms, keeping the page layout and typography of the original document intact.

To view the Newsletter you will require "Adobe Acrobat Reader", which can be downloaded from:

http://www.adobe.com/Acrobat/readstep.html

Do let us know whether you had any difficulties downloading, viewing or printing the Newsletter ... or whether you were just satisfied. Our e-mail address is as follows:

PWOI@WWW.WMO.CH

We look forward to hearing from you.

Rising costs demand that we scale down the distribution of the Newsletter by letter mail, so we strongly encourage our readers to help us become more cost-effective by using our new on-line service.

CONTENTS

I. GLOBAL OBSERVING SYSTEM

Information on the Operational Status of Elements of the Surface-Based Sub-System

Publication No. 9

Volume A - Observing Stations

Deleted Stations

Index No.	Name of Station
	Region VI - Sweden
02060	NAIMAKKA
02086	LAINIO
02092	MUODOSLOMPOLO
02108	KLIMPFJALL
02116	VINDEL-BJORKHEDEN
02144	ABRAUR
02164	PALKEM
02189	FARSTUGRUNDEN
02198	STOROHAMN
02218	MORSIL
02223	STENSJON
02252	IDVATTNET
02264	FREDRIKA
02300	FJALLNAS
02306	RORBACKSNAS
02310	STORSJO KAPELL
02328	ALVDALEN
02334	FINNEBY
02336	EDSBYN
02342	FRANSTA
02367	ALNON

Index No.	Name of Station
02404	ARVIKA
02406	BLOMSKOG
02407	GALLEUDDE
02422	ASPHYTTAN
02428	ATORP
02439	FELLINGSBRO-FINNAKER
02442	VINTJARN
02444	FOLKARNA
02454	UTVALNAS
02462	UPPSALA UNIVERSITET
02473	UNDERSTEN
02474	SINGO
02495	SVENSKA BJORN
02502	DALS ED
02510	LJUNGSKILE
02526	GOTEBORG LANDVETTER
02530	NASHUVUD
02534	BORGUNDA
02538	HESTRA
02555	NASSJO
02560	ZINKGRUVAN
02582	LANDSORT
02588	FARO
02596	HERRVIK

Index No.	Name of Station
02597	ROMA
02617	MAGLARP
02666	UNGSKAR
02672	KALMAR
	Region VI - Norway
01002	GRIMFJELLET
01005	ISFJORD RADIO
01084	PASVIK
01258	MOHOLT
01295	HARRAN
01339	VANGSNES
01351	FINSE III
01377	BIRKEBEINER STADION
01435	HAUKELISAETER BROYTESTASJON
01470	GVARV-LINDEM
	Region VI - United Kingdom of Great Britain and Northern Ireland
03003	SUMBURGH
03271	TEESMOUTH
03340	HOLME MOSS
03786	GRAVESEND
03856	PORTLAND BILL

Temporary Changes

Notification from Kazakstan

For financial reasons the radiosonde observations at stations:

35108 Uralsk
35746 Aral'skoe More
35796 Balkhash and
36177 Semipalatinsk

have been temporarily suspended.

The other upper-air stations make radiosonde observations at 0000 UTC only.

Notification from Kyrgyzstan

As from 15 April 1996 the upper-air station
38353 Bishkek

started making single daily soundings at 0000 UTC.

Notification from Argentina

Radiosonde/radiowind observations at the following stations have been suspended:

As from 4 February 1996:
87860 Comodoro Rivadavia Aero

As from 15 March 1996 the 1200 UTC

87047 Salta Aero
87418 Mendoza Aero
87715 Neuquen Aero
89055 Base Marambio

Publication No. 9

Volume A - Observing Stations

New Stations

Index No.	Name of Station	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 IV - United States of America																				
72634	GAYLORD, MI	4455N	8443W	-	446		.	.	.	.	.	.	.	.		RW	.	RW	.	
Region VI - Netherlands																				
06247	BLOEMENDAAL	5225N	0433E	-	18		X	X	X	X	X	X	X	X		.	.	.	.	
06248	WUDENES	5238N	0510E	-	1		X	X	X	X	X	X	X	X		.	.	.	.	
06251	TERSCHELLING HOORN	5323N	0521E	2	1		X	X	X	X	X	X	X	X		.	.	.	.	
06252	K13-A	5313N	0313E	30	-		X	X	X	X	X	X	X	X		.	.	.	.	
06253	AUK-ALFA	5624N	0204E	34	-		X	X	X	X	X	X	X	X		.	.	.	.	
06254	MEETPOST NOORDWUK	5216N	0418E	17	-		X	X	X	X	X	X	X	X		.	.	.	.	
06255	NOORDELOUKE ZEERAAF	6114N	0109E	47	-		X	X	X	X	X	X	X	X		.	.	.	.	
06320	LE GOEREE	5156N	0340E	19	-		X	X	X	X	X	X	X	X		.	.	.	.	
06321	EURO PLATFORM	5200N	0317E	18	-		X	X	X	X	X	X	X	X		.	.	.	.	
Region VI - Norway																				
01002	GRAHUKEN	7947N	1428E	15			.	.	.	.	.	.	.	.		.	.	.	.	AUT
01004	NY-ALESUND II (UPPER-AIR STATION)	7855N	1156E	8	8		.	.	.	.	.	.	.	.		.	.	RW	.	
01007	NY-ALESUND	7855N	1156E	12			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01237	FOKSTUA II	6209N	0917E	974			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01265	TYNSET II	6216N	1046E	482			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01321	STRYN	6154N	0633E	208			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01338	VANGSNES	6110N	0639E	51			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01350	FINSEVATN	6036N	0732E	1208			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01397	TRYSIL VEGSTASJON	6118N	1216E	360			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01412	OBRESTAD	5839N	0534E	26			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01426	LISTA FYR	5807N	0634E	14			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01434	VAAGSLI	5946N	0722E	822			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01441	HOVDEN-LUNDANE	5935N	0723E	836			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01453	KRISTIANSAND KJEVIK	5813N	0805E	16			X	X	X	X	X	X	X	X		.	.	.	.	AUT
01492	OSLO-BLINDERN	5957N	1043E	96	94		.	.	X	.	X	.	X	.		.	.	.	.	
01495	STROMTANGEN FYR	5909N	1050E	10			X	X	X	X	X	X	X	X		.	.	.	.	AUT
Region VI - Spain																				
08548	COIMBRA CERNACHE	4009N	0828W	179	-		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
Region VI - Sweden																				
02049	GALLIVARE	6709N	2039E	360	359		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02159	FALLFORS	6507N	2046E	-	195		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02181	SVARTBYN	6616N	2251E	62	61		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02188	RODKALLEN	6519N	2223E	-	1		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02221	KORSVATTNET	6350N	1330E	-	717		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02245	VILHELMINA	6435N	1651E	349	348		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02247	KRANGEDE	6309N	1610E	184	183		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02269	SKAGSUDDE	6311N	1901E	-	11		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT

Index No.	Name of Station	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	Re-marks
02308	TANNAS	6227N	1240E	724	723		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02338	EDSBYN	6122N	1543E	185	184		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02355	KUGGOREN	6142N	1732E	10	8		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02408	BLOMSKOG	5913N	1205E	171	170		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02432	OREBRO	5914N	1503E	55	53		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02435	BORLANGE	6026N	1531E	.	145		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02476	FLODA	5903N	1624E	20	19		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02488	ORSKAR	6032N	1823E	9	8		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02505	MASESKAR	5806N	1120E	.	16		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02518	NIDINGEN	5718N	1154E	.	2		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02536	RANGEDALA	5747N	1310E	299	297		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02567	LANDSORT	5845N	1752E	20	18		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02571	NORRKOPING	5835N	1609E	.	34		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02575	OLANDS NORRA UDDE	5722N	1706E	4	2		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02605	HALLANDS VADERO	5627N	1233E	.	10		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02625	SKILLINGE	5529N	1419E	5	4		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02628	HANO	5601N	1451E	.	60		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02644	OLANDS SODRA UDDE	5612N	1624E	3	2		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06009	AKRABERG	6124N	0640W	102	99		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
Region VI - United Kingdom of Great Britain and Northern Ireland																				
03308	SNOWDON SUMMIT	5304N	0405W	.	1070		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
03526	BARBOURNE	5212N	0213W	.	25		X	X	X	X	X	X	X	X		.	.	.	.	
03824	BASTREET	5034N	0429W	.	233		.	.	07	X	X	X	X	.		.	.	.	.	
Station in the Antarctic - Operated by Australia																				
89816	CASEY (LAW DOME SUMMIT SOUTH)	6643S	11256E	.	1375		X	X	X	X	X	X	X	X		.	.	.	.	AUT

Publication No. 9

Volume A - Observing Stations

Changes to existing Stations

The stations listed below were previously under **Other Stations in Eastern Europe**

Index No.	Name of Station	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	Re-marks
Region VI - Bosnia and Herzegovina																				
14528	BIHAC	4449N	1553E	250	246		.	.	X	X	X	.	.	.	H06-14	.	.	.	.	
14542	BANJA LUKA	4447N	1713E	156	153		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
14544	BUGOJNO	4404N	1728E	566	562		.	.	X	X	X	.	.	.	H06-14	.	.	.	.	
14549	ZENICA	4413N	1754E	348	345		.	.	X	X	X	.	.	.	H06-14	.	.	.	.	
14557	TUZLA	4433N	1842E	306	305		.	.	X	X	X	.	.	.	H06-14	.	.	.	.	
14640	LIVNO	4350N	1701E	728	724		.	X	X	X	X	X	X	.	H03-20	.	.	.	.	
14648	MOSTAR	4321N	1748E	108	99		.	X	X	X	X	X	X	.	H03-20	.	.	.	.	
14652	BJELASNICA	4343N	1816E	2070	2067		.	.	.	.	.	.	.	.	.	.	.	.		
14653	SARAJEVO-BUTMIR	4349N	1820E	511	510		.	.	.	.	.	.	.	.	.	.	.	.		
14654	SARAJEVO-BEJELAVE	4352N	1826E	638	630		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	
14656	CEMERNO	4314N	1836E	1309	1305		.	X	X	X	X	X	X	.	H03-20	.	.	.	.	

The stations listed below were previously under **Former USSR**

Index No.	Name of Station	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 - Georgia																				
37177	GAGRY	4315N	4016E	7	-		X	X	X	X	X	X	X	X		.	.	.	.	
37260	SUHUMI	4252N	4108E	13	-		X	X	X	X	X	X	X	X		RW	.	RW	.	
37267	OCEMCIRI	4242N	4128E	5	-		X	X	X	X	X	X	X	X		.	.	.	.	
37309	ONI	4235N	4327E	789	-		X	X	X	X	X	X	X	X		.	.	.	.	
37385	SAMTREDIA	4211N	4222E	26	-		X	X	X	X	X	X	X	X		.	.	.	.	
37393	TKIBULI	4220N	4259E	541	-		X	X	X	X	X	X	X	X		.	.	.	.	
37395	KUTAISI	4216N	4238E	116	-		X	X	X	X	X	X	X	X		.	.	.	.	
37416	CHINVALY	4214N	4359E	871	-		X	X	X	X	X	X	X	X		.	.	.	.	
37432	PASANAURI	4221N	4442E	1064	-		X	X	X	X	X	X	X	X		.	.	.	.	
37437	DUSETI	4205N	4442E	902	-		X	X	X	X	X	X	X	X		.	.	.	.	
37439	TIANETI	4207N	4458E	1091	-		X	X	X	X	X	X	X	X		.	.	.	.	
37484	BATUMI	4139N	4138E	6	-		X	X	X	X	X	X	X	X		.	.	.	.	
37531	GORI	4159N	4407E	590	-		X	X	X	X	X	X	X	X		.	.	.	.	
37535	MANGLISI	4142N	4423E	1195	-		X	X	X	X	X	X	X	X		.	.	.	.	
37541	MUHRANI	4156N	4435E	551	-		X	X	X	X	X	X	X	X		.	.	.	.	
37549	TBILISI	4141N	4457E	490	-		X	X	X	X	X	X	X	X		RW	.	RW	.	
37553	TELAVI	4156N	4523E	562	-		X	X	X	X	X	X	X	X		.	.	.	.	
37556	SAGAREDZO	4144N	4520E	806	-		X	X	X	X	X	X	X	X		.	.	.	.	
37572	LAGODEHI	4149N	4618E	435	-		X	X	X	X	X	X	X	X		.	.	.	.	
37621	BOLNISI	4127N	4433E	534	-		X	X	X	X	X	X	X	X		.	.	.	.	
37632	GARDABANI	4127N	4506E	303	-		X	X	X	X	X	X	X	X		.	.	.	.	
Region VI - Latvia																				
26229	AINAZI	5752N	2422E	5	-		X	X	X	X	X	X	X	X		.	.	.	.	
26239	RUJIENA	5754N	2523E	12	-		X	X	X	X	X	X	X	X		.	.	.	.	
26313	KOLKA	5745N	2236E	5	-		X	X	X	X	X	X	X	X		.	.	.	.	
26314	VENTSPILS	5724N	2132E	3	-		X	X	X	X	X	X	X	X		.	.	.	.	
26318	STENDE	5711N	2233E	79	-		X	X	X	X	X	X	X	X		.	.	.	.	
26324	MERSRAGS	5721N	2307E	6	-		X	X	X	X	X	X	X	X		.	.	.	.	
26326	SKULTE	5719N	2425E	10	-		X	X	X	X	X	X	X	X		.	.	.	.	
26335	PRIEKULI	5719N	2520E	122	-		X	X	X	X	X	X	X	X		.	.	.	.	
26339	ZOSENI	5708N	2555E	180	-		X	X	X	X	X	X	X	X		.	.	.	.	
26346	ALUKSNE	5726N	2702E	193	-		X	X	X	X	X	X	X	X		.	.	.	.	
26348	GULBENE	5708N	2643E	143	-		X	X	X	X	X	X	X	X		.	.	.	.	
26403	PAVILOSTA	5653N	2111E	10	-		X	X	X	X	X	X	X	X		.	.	.	.	
26406	LIEPAJA	5629N	2101E	7	-		X	X	X	X	X	X	X	X		.	.	.	.	
26416	SALDUS	5641N	2230E	112	-		X	X	X	X	X	X	X	X		.	.	.	.	
26422	RIGA	5658N	2403E	7	-		X	X	X	X	X	X	X	X		RW	.	RW	.	
26424	DOBELE	5637N	2319E	44	-		X	X	X	X	X	X	X	X		.	.	.	.	
26425	JELGAVA	5639N	2344E	9	-		X	X	X	X	X	X	X	X		.	.	.	.	
26429	BAUSKA	5624N	2413E	33	-		X	X	X	X	X	X	X	X		.	.	.	.	
26435	SKRIVERI	5639N	2508E	83	-		X	X	X	X	X	X	X	X		.	.	.	.	
26436	ZILANZ	5631N	2555E	109	-		X	X	X	X	X	X	X	X		.	.	.	.	
26446	REZEKNE	5632N	2716E	157	-		X	X	X	X	X	X	X	X		.	.	.	.	
26544	DAUGAVAILS	5552N	2637E	122	-		X	X	X	X	X	X	X	X		.	.	.	.	
26551	DAGDA	5606N	2733E	181	-		X	X	X	X	X	X	X	X		.	.	.	.	

Index No.	Name of Station	Latitude	Longitude	Elevation HP	Elevation H/HA	Pressure Level	Surface Observations 00	03	06	09	12	15	18	21	OBS. H OBS.S	per-air 00	06	12	18	Re-marks
Region II - Qatar																				
41170	DOHA INTERNATIONAL AIRPORT						X	X	X	X	X	X	X	X	S00-24	RW	.	.	.	
Region IV - United States of America																				
72394	SANTA MARIA, CA						.	.	.	.	.	.	.	.	H00-24	.	.	.	.	AUT
72734	SAULT STE MARIE, MI						X	.	X	.	X	.	X	.	H00-24	.	.	.	.	
Region VI - Norway																				
01006	EDGEOYA			14	-															AUT
01009	PHIPPSOYA																			AUT
01011	KVITOYA																			AUT
01041	NORDREISA-OYENG																			
01049	(P) ALTA LUFTHAVN						.	.	X	X	X	X	X	X	H00-24	.	.	.	.	
01059	(P) BANAK						.	.	X	X	X	X	X	.	H00-24	.	.	.	.	
01106	(P) ROST II						.	X	X	X	X	X	X	X		.	.	.	.	
01259	BUHOLMRASA FYR						X	X	X	X	X	X	X	X		.	.	.	.	AUT
01292	MERAKER-UTSYN	6325N	1145E	240	239															
01306	HELLISOY FYR						X	X	X	X	X	X	X	X		.	.	.	.	AUT
01378	LILLEHAMMER-SAETHERENGEN	6106N	1028E	-	239		X	X	X	X	X	X	X	X		.	.	.	.	AUT
01384	OSLO GARDERMOEN (UPPER-AIR STAT.)						.	.	.	.	.	.	.	.	S00-24	.	.	.		
01433	MIDTLAEGER			1081	-		X	X	X	X	X	X	X	X		.	.	.	.	AUT
01452	(P) KRISTIANSAND KJEVIK						.	.	X	X	X	X	X	X	S05-23	.	.	.	.	
01476	JOMFRULAND FYR	5851N	0933E	5	-		X	X	X	X	X	X	X	X		.	.	.	.	AUT
01496	HOLAND-FOSSER																			
Region VI - Sweden																				
02417	NAVEN	5842N	1307E	-	53															
02453	GAVLE	6043N	1710E	-	16		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02485	STOCKHOLM OBSERVATORIET	5934N	1806E	-	44															AUT
02611	HELSINGBORG	5602N	1246E	44	43		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
02641	VAXJO	5651N	1450E	200	199										H00-24					AUT
02670	KALMAR FLYGPLATS						X	X	X	X	X	X	X	X		.	.	.	.	
Region VI - Spain																				
08003	MONTEFARO	4327N	0817W	244	240														.	
Region VI - United Kingdom of Great Britain and Northern Ireland																				
03067	FEALER LODGE	5654N	0338W	-	560		.	.	07	X	X	X	X	.		.	.	.	.	
03013	FOULA						.	.	07	X	X	X	X	X		.	.	.	.	
03339	SKIPTON				153		.	.	X	X	.	.	X	.	H05-06	.	.	.	.	
03502	ABERPORTH						X	X	X	X	X	X	X	X	H00-24	RW	RW	RW	RW	
03840	DUNKESWELL AERODROME	5052N	0314W	-	252		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT

AUTOMATIC MARINE STATIONS

KEY: Observed or Technical Parameters

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

Canada

Moored Buoys

North-east Pacific Ocean:
SNVD17 CWVR, SXCN50 CWVR, SNVD04 CWEG

WMO Buoy Identifier	ARGOS Identifier	Position: 7 April 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46004	7180	50 58' N	135 48' W	X	X	X	X	X	X	X	N/A	-	-	-
46036	5324	48 21' N	133 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46131	4484	49 54' N	124 59' W	X	X	X	X	X	X	X	N/A	-	-	-
46132	7197	49 44' N	127 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46145	4485	54 23' N	132 26' W	X	X	X	X	X	X	X	N/A	-	-	-
46146	7196	49 20' N	123 44' W	X	X	X	X	X	X	X	N/A	-	-	-
46147	7194	51 49' N	131 12' W	X	X	X	X	X	X	X	N/A	-	-	-
46181	7187	53 50' N	128 50' W	X	X	X	X	X	X	X	N/A	-	-	-
46183	8678	53 37' N	131 06' W	X	X	X	X	X	X	X	N/A	-	-	-
46184	7182	53 54' N	138 52' W	X	X	X	X	X	X	X	N/A	-	-	-
46185	8677	52 25' N	129 48' W	X	X	X	X	X	X	X	N/A	-	-	-
46204	7192	51 22' N	128 45' W	X	X	X	X	X	X	X	N/A	-	-	-
46205	7183	54 10' N	134 20' W	X	X	X	X	X	X	X	N/A	-	-	-
46206	7184	48 50' N	126 00' W	X	X	X	X	X	X	X	N/A	-	-	-
46207	7193	50 52' N	129 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46208	7186	52 30' N	132 42' W	X	X	X	X	X	X	X	N/A	-	-	-

Canada

Moored Buoys

North-west Atlantic Ocean:

WMO Buoy Identifier	ARGOS Identifier	Position: 10 April 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44131	N/A	44 30' N	057 47' W	X	X	X	X	X	X	X	N/A	-	-	-
44137	5579	41 36' N	060 02' W	X	*	X	X	X	X	X	N/A	-	-	-
44138	5577	44 16' N	053 37' W	X	*	X	X	X	X	X	N/A	-	-	-
44139	3448	44 08' N	057 38' W	X	X	X	X	X	X	X	N/A	-	-	-
44140	5576	42 51' N	051 34' W	X	X	X	X	X	X	X	N/A	-	-	-
44141	3449	42 04' N	056 09' W	X	X	X	X	X	X	X	N/A	-	-	-
44142	5578	42 27' N	064 06' W	*	X	X	X	X	X	X	N/A	-	-	-
44153	N/A	47 24' N	063 24' W	.	.	.	.	.	.	.	N/A	-	-	-

* Sensor/System failure

Great Slave Lake, Lake Winnipeg, Great Lakes, Gulf of St. Lawrence:

WMO Buoy Identifier	ARGOS Identifier	Position: 04 April 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
45132	N/A	42 28' N	081 13' W	.	.	.	.	.	.	.	N/A	-	-	-
45135	N/A	43 47' N	076 52' W	.	.	.	.	.	.	.	N/A	-	-	-
45136	N/A	48 32' N	086 57' W	.	.	.	.	.	.	.	N/A	-	-	-
45137	N/A	45 33' N	081 01' W	.	.	.	.	.	.	.	N/A	-	-	-
45138	8249	49 32' N	065 44' W	.	.	.	.	.	.	.	N/A	-	-	-
45139	N/A	43 25' N	079 23' W	*	*	*	*	*	*	*	N/A	-	-	-
45140	3439	50 47' N	096 44' W	.	.	.	.	.	.	.	N/A	-	-	-
45141	N/A	61 11' N	115 19' W	.	.	.	.	.	.	.	N/A	-	-	-
45142	N/A	42 44' N	079 17' W	.	.	.	.	.	.	.	N/A	-	-	-
45144	8671	53 23' N	098 29' W	.	.	.	.	.	.	.	N/A	-	-	-

* Sensor/System failure

Drifting Buoys

North-east Pacific Ocean:

WMO Buoy Identifier	ARGOS Identifier	Position: 05 March 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46632	7129	47.2 N	154.5 W	.	X	X	X	X	.	.	X	-	-	-
46692	7139	49.2 N	133.8 W	.	*	X	X	X	.	.	X	-	-	-

45132, 45135, 45136, 45137, 45138, 45140, 45141
45142, 44144 & 45153 are shut down for the winter
45139 Failed 24 December 1995
46204 Failed 18 February 1996
46641 Ashore in Oregon.
46681 Ashore in Oregon 8 January 1996

* Sensor/System failure

Australia

Shipboard Data Collection Platform (DCP)

WMO Buoy Identifier	ARGOS Identifier	Position: 30 April 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
55513	11581	-32.238	133.515	-	X	X	-	-	-	-	-	-	-	-
55515	11580	-12.056	152.248	-	X	X	-	-	-	-	-	-	-	-
55516	11527	25.265	55.281	-	X	X	-	-	-	-	-	-	-	-
55520	3031	-41.678	175.347	-	X	X	-	-	-	-	-	-	-	-
55521	7866	-46.778	142.146	-	X	X	-	-	-	-	-	-	-	-
55524	11662	-38.347	141.619	-	X	X	-	-	-	-	-	-	-	-

Drogued Drifting Buoys

WMO Buoy Identifier	ARGOS Identifier	Position: 30 April 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
52623	2946	-12.886	139.047	X	X	X	X	**	-	-	-	-	-	-
53548	17179	-11.475	109.652	-	X	X	-	X	-	-	-	-	-	-
56516	8039	-17.413	81.107	-	-	X	-	X	-	-	-	-	-	-
56518	2941	-37.663	133.226	-	**	X	X	X	-	-	-	-	-	-
56519	2931	-54.828	-124.567	-	**	X	X	X	-	-	-	-	-	-
56521	2934	-48.273	166.14	-	-	**	-	X	-	-	-	-	-	-
56522	2935	-54.392	-167.938	-	-	**	-	X	-	-	-	-	-	-
56523	17183	-11.328	67.45	-	X	X	-	X	-	-	-	-	-	-
56524	17177	-37.741	112.473	-	X	X	-	X	-	-	-	-	-	-
56525	2933	-43.408	126.046	-	X	X	X	X	-	-	-	-	-	-
56526	2950	-16.704	111.304	X	X	X	X	X	-	-	-	-	-	-
73506	4870	-58.201	-178.931	-	X	X	-	X	-	-	-	-	-	-

** Sensor/System failure

United States of America

List of U.S.A. Ocean Data Acquisition Systems (ODAS) included in the May 1996 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.

United States of America

Moored Buoys

WMO Buoy Identifier	ARGOS Identifier	Position: 16-23 May 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41001*		34.68N	72.64W	X	X	X	-	X	X	X	-	-	-	-
41002*		32.35N	75.26W	**	**	**	-	**	**	**	-	-	-	-
41004		32.51N	79.10W	X	X	X	-	X	X	X	-	-	-	-
41006*		29.33N	77.32W	**	**	**	-	**	**	**	-	-	-	-
41009		28.50N	80.18W	X	X	X	-	X	X	X	-	-	-	-
41010		28.90N	78.50W	X	X	X	-	X	X	X	-	-	-	-
41021		31.92N	80.85W	X	X	X	-	X	X	X	-	-	-	-
41022		31.89N	80.86W	X	X	X	-	X	X	X	-	-	-	-
41023		31.92N	80.93W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.93N	89.65W	X	X	X	-	X	X	X	-	-	-	-
42002*		25.89N	93.57W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.94N	85.91W	X	X	X	-	X	X	X	-	-	-	-
42007		30.09N	88.77W	X	X	X	-	X	.	.	-	-	-	-
42019		27.90N	95.00W	X	X	X	-	X	X	X	-	-	-	-
42020		27.01N	96.51W	X	X	X	-	**	X	X	-	-	-	-
42035		29.25N	94.41W	X	X	X	-	X	X	X	-	-	-	-
42036		28.50N	84.50W	**	**	**	-	**	**	**	-	-	-	-
42039		28.78N	86.04W	X	X	X	-	X	X	X	-	-	-	-
42040		29.20N	88.25W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.46N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44005*		42.90N	68.94W	X	X	X	-	X	X	X	-	-	-	-
44007		43.53N	70.14W	X	X	X	-	X	X	X	-	-	-	-
44008		40.50N	69.42W	**	**	**	-	**	**	**	-	-	-	-
44009		38.46N	74.70W	X	X	X	-	X	X	X	-	-	-	-
44011*		41.08N	66.58W	X	X	X	-	X	X	X	-	-	-	-
44013		42.35N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44014		36.58N	74.83W	X	X	X	-	X	X	X	-	-	-	-
44025		40.25N	73.17W	X	X	X	-	X	X	X	-	-	-	-
44028*		41.40N	71.08W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.05N	87.77W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.30N	86.42W	X	X	X	-	X	X	X	-	-	-	-
45003*		45.32N	82.77W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.55N	86.53W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.68N	82.40W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.32N	89.87W	X	X	X	-	X	X	X	-	-	-	-
45007*		42.68N	87.03W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.28N	82.42W	X	X	X	-	.	X	X	-	-	-	-
46001*		56.29N	148.18W	X	X	X	-	X	X	X	-	-	-	-
46002*		42.53N	130.26W	X	X	X	-	X	X	X	-	-	-	-
46003*		51.85N	155.92W	X	X	X	-	X	X	X	-	-	-	-
46005*		46.08N	131.00W	X	X	X	-	X	X	X	-	-	-	-
46006*		40.87N	137.54W	X	X	X	-	X	X	X	-	-	-	-

* Base funded station of National Weather Service (NWS), however, all stations report data to NWS.

** Sensor/System failure

United States of America

Moored Buoys

WMO Buoy	ARGOS	Position: 16-23 May 1996		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46011		34.87N	120.87W	**	**	**	-	**	**	**	-	-	-	-
46012		37.39N	122.73W	X	X	X	-	X	X	X	-	-	-	-
46013*		38.23N	123.30W	X	X	X	-	X	X	X	-	-	-	-
46014*		39.22N	123.97W	X	X	X	-	X	X	X	-	-	-	-
46022		40.76N	124.50W	X	X	X	-	X	X	X	-	-	-	-
46023		34.25N	120.67W	**	**	**	-	**	**	**	-	-	-	-
46025		33.75N	119.07W	X	X	X	-	X	X	X	-	-	-	-
46026		37.75N	122.82W	X	X	X	-	X	X	X	-	-	-	-
46027		41.85N	124.39W	X	X	X	-	X	X	X	-	-	-	-
46028*		35.74N	121.88W	X	X	X	-	X	X	X	-	-	-	-
46029		46.25N	124.25W	X	X	X	-	X	X	X	-	-	-	-
46030		40.42N	124.53W	X	X	X	-	X	X	X	-	-	-	-
46035		56.96N	177.73W	X	X	**	-	X	X	X	-	-	-	-
46041		47.42N	124.52W	X	X	X	-	X	X	X	-	-	-	-
46042		36.75N	122.41W	X	X	X	-	X	X	X	-	-	-	-
46045		33.84N	118.45W	X	X	X	-	X	X	X	-	-	-	-
46050		44.62N	124.53W	X	X	X	-	X	X	X	-	-	-	-
46051		34.48N	120.69W	X	**	X	-	X	X	X	-	-	-	-
46053		34.24N	119.85W	X	X	X	-	X	X	X	-	-	-	-
46054		34.27N	120.45W	X	X	X	-	X	X	X	-	-	-	-
46059		37.98N	130.00W	X	X	X	-	X	X	X	-	-	-	-
46060		60.58N	146.83W	X	X	X	-	X	X	X	-	-	-	-
46061		60.22N	146.83W	X	X	X	-	X	X	X	-	-	-	-
51001*		23.40N	162.27W	**	**	**	-	**	**	**	-	-	-	-
51002		17.19N	157.83W	X	X	X	-	X	X	X	-	-	-	-
51003*		19.14N	160.81W	X	X	X	-	X	X	X	-	-	-	-
51004*		17.44N	152.51W	X	X	X	-	**	X	X	-	-	-	-
51026		21.35N	156.93W	**	X	X	-	X	X	X	-	-	-	-

Total Base Funded Buoys : 29
Total Other Buoys : 41

Total Moored Buoys : 70

* Base funded station of National Weather Service (NWS), however, all stations report data to NWS.

** Sensor/System failure

United States of America

Drifting Buoys

WMO Buoy	ARGOS	Position: 22-23 May 1996		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
16811	17180	27°S	078°E	.	X	X	-	X	.	.	.	-	-	-
17810	17182	20°S	030°W	.	X	X	-	X	.	.	.	-	-	-
17822	17184	29°S	103°E	.	X	X	-	*	.	.	.	-	-	-
32812	17171	33°S	123°W	.	*	X	-	X	.	.	.	-	-	-
33839	17164	26°S	024°W	.	*	X	-	X	.	.	.	-	-	-
33841	17166	29°S	024°W	.	*	X	-	X	.	.	.	-	-	-
41526	5575	34°N	057°W	X	X	X	-	X	.	.	.	-	-	-
41585	23640	35°N	044°W	*	X	X	-	X	.	.	.	-	-	-
46551	20705	46°N	130°W	*	*	X	-	X	.	.	.	-	-	-
46552	20706	43°N	132°W	*	*	X	-	X	.	.	.	-	-	-
46553	20710	50°N	140°W	X	X	X	-	X	.	.	.	-	-	-
46554	20712	34°N	140°W	X	*	X	-	X	.	.	.	-	-	-
46555	20707	47°N	126°W	X	X	X	-	X	.	.	.	-	-	-
46556	20711	60°N	143°W	*	*	X	-	X	.	.	.	-	-	-
46557	20709	38°N	142°W	X	*	X	-	X	.	.	.	-	-	-
46558	20708	42°N	134°W	*	*	X	-	X	.	.	.	-	-	-
53825	20715	10°S	121°E	.	*	#	-	*	.	.	.	-	-	-
54807	20718	53°S	075°W	.	X	X	-	X	.	.	.	-	-	-
54809	20719	34°S	167°W	.	X	X	-	X	.	.	.	-	-	-
54810	17181	17°S	177°E	.	*	#	-	*	.	.	.	-	-	-
54811	20713	36°S	116°W	.	X	X	-	X	.	.	.	-	-	-
54812	17178	21°S	087°W	.	X	X	-	X	.	.	.	-	-	-
54813	20717	38°S	121°W	.	X	X	-	X	.	.	.	-	-	-
54814	5127	28°S	153°W	.	X	X	-	X	.	.	.	-	-	-
56807	20716	26°S	009°E	.	*	X	-	X	.	.	.	-	-	-
56808	20720	34°S	032°E	.	X	X	-	X	.	.	.	-	-	-
56809	17169	30°S	063°E	.	*	X	-	X	.	.	.	-	-	-
56810	17185	24°S	050°E	.	X	X	-	X	.	.	.	-	-	-

335 drifting buoys have been deployed in support of TOGA; 18 are operational

Buoy beached, sensor reporting.

** Sensor failure reported.

United Kingdom of Great Britain and Northern Ireland

Moored Buoys

Including Light Vessels, Islands and Fixed Platforms

WMO Buoy Identifier	ARGOS Identifier	Position: 17 May 1996		Observed or Technical Parameters										
		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°08'N	05°50'W	X	X	X	X	-	-	-	X	-	X	-
03014**		60°07'N	02°04'W	X	X	X	X	-	-	-	X	-	X	-
03695**		51°40'N	01°06'E	X	X	X	X	-	-	-	X	-	X	-
62026		55°20'N	02°20'E	X	X	X	X	X	X	-	X	-	X	-
62029		48°42'N	12°25'W	-	-	-	-	-	-	-	-	-	-	-
62081		51°00'N	13°20'W	X	X	X	X	X	X	-	X	-	X	-
62101		50°37'N	02°44'W	-	-	-	-	-	-	-		-	-	-
62103**		49°55'N	02°54'W	X	X	X	X	X	X	-	X	-	X	X
62105		55°29'N	12°59'W	X	X	X	X	X	X	-	X	-	X	-
62106		57°00'N	09°52'W	X	X	X	X	X	X	-	X	-	X	-
62107*		50°04'N	06°04'W	X	X	X	X	X	X	-	X	-	X	X
62108		53°34'N	15°30'W	X	X	X	X	X	X	-	X	-	X	-
62109		57°00'N	00°00'E	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	-
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	-
62163		47°30'N	08°30'W	X	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	-	-	-
62303		51°31'N	04°56'W	-	-	-	-	-	-	-	-	-	-	-
62304**		51°09'N	01°47'E	X	X	X	X	X	X	-	-	-	X	X
62305**		50°25'N	00°00'W	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	-
64045		59°15'N	11°41'W	X	X	X	X	X	X	-	X	-	X	-

*Fixed platforms or islands

** Automatic Light Vessels

Drifting Buoys

WMO Buoy Identifier	ARGOS Identifier	Position: 18 May 1996		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
25565	01639*	59.6N	28.4W	-	X	X	-	-	-	-	-	-	-	-
44613	03324	44.7N	11.9W	X	X	X	X	X	-	-	-	-	-	-
44616	03318	61.8N	21.0W	X	X	X	X	X	-	-	-	-	-	-
44727	02974	41.9N	21.8W	-	X	X	X	X	-	-	-	-	-	-
44728	03024	60.0N	25.1W	-	X	X	X	X	-	-	-	-	-	-
44742	02953	54.7N	19.6W	X	-	X	X	X	-	-	-	-	-	-
44760	02947	24.5N	32.4W	-	X	X	X	X	-	-	-	-	-	-
44763	03098	57.6N	29.5W	-	X	X	X	X	-	-	-	-	-	-
44769	01253	54.6N	19.6W	-	X	X	X	X	-	-	-	-	-	-
44770	03035	26.0N	42.5W	-	X	X	X	X	-	-	-	-	-	-
44773	03132	51.5N	18.0W	-	X	X	X	X	-	-	-	-	-	-
62805	02927	66.7N	28.0W	-	-	X	X	X	-	-	-	-	-	-
65594	01252	62.1N	31.0W	-	X	X	X	X	-	-	-	-	-	-
44761	14736	56.4N	40.4W	-	-	X	-	X	-	-	-	-	-	-
44774	03162	53.0N	35.6W	-	X	X	X	X	-	-	-	-	-	-
	01251	59.5N	27.6W	-	X	X	X	X	-	-	-	-	-	-
	02954	52.6N	38.9W	X	X	X	X	X	-	-	-	-	-	-
	03013	51.5N	36.3W	-	X	X	X	X	-	-	-	-	-	-

*Ice drifter

ARGOS SERVICE

ARGOS
Monthly Status Report

Date of statistics computation:
6 May 1996

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

Drifting Buoys	1157
Boats (<20 knots)	-
Marine Stations	101
Moored Buoys	268
Fixed Stations	393
Marine Animals	121
Terrestrial Animals	78
Birds	56
Balloons	8
TOTAL:	**2182**

•Reports inserted into the GTS
(list of monthly collected ARGOS platforms on indicated GTS sites sorted by type of platform)

Inserted by RTH Toulouse:

Boats (<20 knots)	-
Drifting Buoys	115
Fixed Stations	15
Marine Stations	-
Moored Buoys	3
Synoptic PTT	-

Inserted by RTH/WMC Washington:

Drifting Buoys	700
Fixed Stations	38
High Speed	-
Moored Buoys	60

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

BATHY	**350**
BUOY	**210333**
SYNOP	**8806**
TOTAL:	**219489**

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

In view of the difficulties experienced in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations that do not reach their NMCs, a special table accompanied by explanatory notes follows. The table will 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.

Members are urged to fill in the special table as and when appropriate, and to return it to the Secretariat before the 20th of each month to enable changes to be included in the next "OPERATIONAL *NEWSLETTER*".

GOS Regulatory or guidance material

Guidance material on instruments and observing methods

"WMO Catalogue of Radiosondes and Upper-Air Wind Systems in Use by Members"

The previous edition of the ***"WMO Catalogue of Radiosondes and Upper-Air Wind Systems in Use by Members"*** was published in Report No. 56 *"Instruments and Observing Methods"* by Mr. T. Oakley and for the first time in the February 1994 *Operational Newsletter*. This list has since been updated and has been used as the basis of the new Catalogue which is attached at the end of this Newsletter.

EXPLANATORY NOTES

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 for Volume A, the Catalogue of Meteorological Bulletins, and particularly for stations included in the Regional Basic Synoptic Networks (RBSN).

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

COLUMN A:
The station index number (IIiii) and name of station;

COLUMN B:
Latitude and Longitude in degrees and minutes with the appropriate letters (N, S, E and W);

COLUMN C:
The TTAAii CCCC of the abbreviated headings of the meteorological bulletins which contain reports from the station should be inserted;

COLUMN D:
"X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, these should be marked in red;

COLUMN E:

HP = Elevation of the station in metres (the datum level to which barometric pressure reports at the station refer);

H = Elevation of the ground, in metres, (average level of terrain in immediate vicinity of station), for stations not located on aerodromes;

HA = Official altitude of the aerodrome given for stations located on aerodromes is indicated by the letter "A" in the column "Other observations and Remarks" of Volume A;

COLUMN F:
For those stations not indicating pressure reduced to mean sea level (group 4PPPP) in their synoptic reports, the entry in this column shows which information is reported in lieu of group 4PPPP (see table 1):

STATION	Pressure at station level reported using group $3P_0P_0P_nP_n$
1000 hPa 850 hPa 700 hPa 500 hPa	geopotential of the given standard isobaric surface reported using group $4a_3hhh$

Table 1

LINE G
Reasons for 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, and also possible alternate observing stations, as appropriate.

These tables should be sent to the Secretariat **BEFORE the 20th of the month** for inclusion in the "OPERATIONAL NEWSLETTER", as appropriate.

Feed-Back from Members to the Secretariat on any Changes in the Observing Network

(See Explanatory Notes overleaf)

Country: _____ **Date Effective:** _____

(Please tick the appropirate box)

Global Exchange: ☐ **Regional Exchange:** ☐

(A)		(B)		(C)	(D)								(E)		(F)
Station	Station Name	Position		Bulletin Identification	Implementation of Observing Programme								Elevation		Pressure
Index No.		Latitude	Longitude	TTAAii CCCC	00	03	06	09	12	15	18	21	HP	H/HA	Level
SYNOP															
(G) Remarks															
(G) Remarks															
(G) Remarks															
(G) Remarks															
TEMP															
(G) Remarks															
(G) Remarks															
(G) Remarks															
(G) Remarks															
PILOT															
(G) Remarks															
(G) Remarks															
(G) Remarks															
(G) Remarks															

II. GLOBAL DATA-PROCESSING SYSTEM

Information of Operational Status of GDPS

List of Radiosonde Stations for Verification of NWP

The following are the updates to the lists of radiosonde stations to be used in the standardized verification of operational numerical weather prediction. As requested by CBS, thes updates have been prepared by ECMWF and sent for comments to other lead centres for data monitoring. The complete lists resulting from these updates are also included for reference.

The new lists should be implemented as soon as possible, preferably before June 1996.

Update to Lists of Radiosonde Stations Used in the Standardized Verification of NWP for 1996

North America (25°N-60°N, 145°W-50°W)

REMOVE				ADD	
72203	(no observations since mid July)	72572	(insufficient observations)	71866	72363
72435	(station closure)	72576	(station closure)	72248	72440
72349	(station closure)	72632	(insufficient observations)	72265	72681
72374	(no observations since end August)	72655	(no observations since June)	72274	74560
72425	(no observations since November)	72694	(insufficient observations)		
72429	(no observations since end September)	72764	(insufficient observations)		
72486	(no observations since end July)	72776	(insufficient observations)		
72532	(station closure)	72785	(no observations since end September)		
72562	(insufficient observations)				

Europe (25°N-70°N, 10°W-28°E)

REMOVE				ADD	
01384	(station closure)	16622	(insufficient observations)	10200	10618
02591	(no observations since mid September)	33008	(station closure)	10238	10771
08221	(on consolidated list of suspect stations - wind)	60760	(insufficient observations since October)	10272	11120
16144	(on consolidated list of suspect stations - wind)	62010	(station closure)		

Asia (25°N-65°N, 60°E-145°E)

REMOVE				ADD	
23552	(insufficient observations since August)	35746	(insufficient observations)	24641	31977
23884	(no observations since end September)	35796	(insufficient observations)	28445	47580
28440	(station closure)	38954	(station closure)	29572	47744
30692	(insufficient observations)	41640	(insufficient observations)	29862	47778
30673	(insufficient observations since December)	47041	(no observations since December)	31736	
31300	(insufficient observations since January)	56691	(on consolidated list of suspect stations - wind)		
31735	(station closure)	59287	(no observations since December)		
31960	(station closure)				

Australia/New Zealand (55°S-10°S, 90E-180°E)

REMOVE				ADD	
91557	(station closure)	94527	(no observations since end May)	94647	
93944	(no observations since April)	94646	(station closure)	95527	

Tropics (20°S-20°N)

REMOVE				ADD	
41316	(on consolidated list of suspect stations - wind)	82400	(station closure)	65503	
48855	(no observations since December)	84008	(no observations since December)	78866	
61223	(no observations since December)	91557	(station closure)	91765	
63450	(large positive geopotential bias at all levels)	91610	(no observations since December)	97372	
63741	(no observations since mid August)	91643	(large negative speed bias since January)	98223	
64700	(no observations since December)	96035	(on consolidated list of suspect stations - wind)	98646	
67237	(no observations since December)	97072	(on consolidated list of suspect stations -height)		
78762	(no observations since December)	97180	(on consolidated list of suspect stations -height)		
80222	(no observations since December)				

N. Hemisphere (20°N-90°N)

REMOVE				ADD	
01384	(station closure)	35796	(insufficient observations)	10200	33345
02591	(no observations since mid September)	37549	(insufficient observations)	10238	40430
08221	(on consolidated list of suspect stations - wind)	38954	(station closure)	10272	47580
16144	(on consolidated list of suspect stations - wind)	40007	(no observations since December)	10618	47744
16622	(insufficient observations)	40080	(no observations since December)	10771	47778
17352	(station closure)	40706	(no observations since December)	11120	57993
20107	(station closure)	40745	(no observations since December)	17030	70133
20891	(on consolidated list of suspect stations - height)	40754	(no observations since December)	24641	70219
21432	(no observations since December)	40766	(no observations since December)	25400	70316
21647	(no observations since December)	40800	(no observations since December)	27199	70326
21824	(no observations since December)	40848	(no observations since December)	27459	70350
23552	(insufficient observations since August)	41640	(insufficient observations)	27612	71866
23884	(no observations since end September)	47881	(insufficient observations)	27730	72248
25173	(no observations since December)	48042	(insufficient observations)	27995	72274
25677	(no observations since December)	56691	(on consolidated list of suspect stations - wind)	28445	72363
27196	(station closure)	59287	(no observations since December)	29572	72440
27553	(station closure)	60760	(insufficient observations since October)	29862	72681
27731	(station closure)	72203	(no observations since mid July)	31736	74560
28440	(station closure)	72349	(station closure)	31977	91165
28900	(station closure)	72374	(no observations since end August)		
30692	(insufficient observations)	72425	(no observations since November)		
30673	(insufficient observations since December)	72429	(no observations since end September)		
31300	(insufficient observations since January)	72435	(station closure)		
31735	(station closure)	72486	(no observations since end July)		
31960	(station closure)	72532	(station closure)		
32186	(station closure)	72562	(insufficient observations)		
32217	(station closure)	72572	(insufficient observation)		
32389	(no observations since December)	72576	(station closure)		
32618	(on consolidated list of suspect stations - height)	72632	(insufficient observations)		
33008	(station closure)	72655	(no observations since June)		
33815	(insufficient observations)	72694	(insufficient observations)		
34300	(no observations since December)	72764	(insufficient observations)		
34880	(no observations since December)	72776	(insufficient observations)		
35746	(insufficient observations)	72785	(no observations since end September)		

S. Hemisphere (90S-20S)

REMOVE				ADD	
68461	(on consolidated list of suspect stations - wind)	94527	(no observations since end May)	85934	94647
83840	(no observations since December)	94646	(station closure)	89055	95527
93944	(no observations since April)			89512	

The complete list resulting from these updates is listed below:

North America (25°N-60°N, 145°W-50°W)

23955	28661	29698	30635	31369	36870	47580	47778	51076	52203	52889	54374	56080	57461	58203
24507	28698	29862	30715	31736	38062	47582	47807	51431	52323	53068	54511	56137	57494	58238
24641	28952	30054	30758	31873	38341	47590	47827	51463	52418	53463	54662	56571	57749	58362
24688	29231	30230	30935	31909	38457	47600	47909	51644	52533	53513	54823	56778	57816	58457
24817	29263	30309	30965	31977	47122	47646	47936	51709	52681	53614	54857	57036	57972	58633
24944	29572	30372	31004	32061	47138	47678	47945	51777	52818	53845	55299	57127	57993	58725

Europe (25°N-70°N, 10°W-28°E)

23921	28445	29634	30554	31329	35394	47412	47744	50527	51848	52866	54292	56029	57447	58150
23955	28661	29698	30635	31369	36870	47580	47778	51076	52203	52889	54374	56080	57461	58203
24507	28698	29862	30715	31736	38062	47582	47807	51431	52323	53068	54511	56137	57494	58238
24641	28952	30054	30758	31873	38341	47590	47827	51463	52418	53463	54662	56571	57749	58362
24688	29231	30230	30935	31909	38457	47600	47909	51644	52533	53513	54823	56778	57816	58457

Asia (25°N-65°N, 60°E-145°E)

23921	28445	29634	30554	31329	35394	47412	47744	50527	51848	52866	54292	56029	57447	58150
23955	28661	29698	30635	31369	36870	47580	47778	51076	52203	52889	54374	56080	57461	58203
24507	28698	29862	30715	31736	38062	47582	47807	51431	52323	53068	54511	56137	57494	58238
24641	28952	30054	30758	31873	38341	47590	47827	51463	52418	53463	54662	56571	57749	58362
24688	29231	30230	30935	31909	38457	47600	47909	51644	52533	53513	54823	56778	57816	58457
24817	29263	30309	30965	31977	47122	47646	47936	51709	52681	53614	54857	57036	57972	58633
24944	29572	30372	31004	32061	47138	47678	47945	51777	52818	53845	55299	57127	57993	58725
24959	29612	30521	31088	32150	47401	47681	47971	51828	52836	53915	55591	57178	58027	58968
28275														

Australia/New Zealand (55°S-10°S, 90E-180°E)

91592	93417	94150	94299	94326	94403	94510	94637	94659	94711	94802	94865	94975	94996	95527
91680	93844	94203	94302	94332	94430	94578	94638	94672	94776	94821	94910	94995	94998	96996
93012	94120	94294	94312	94374	94461	94610	94647							

Tropics (20°S-20°N)

08594	48615	61024	61976	76654	78397	78897	81405	91366	91492	91801	91944	94203	96413	96996
41114	48648	61641	63985	76679	78526	78954	91245	91376	91517	91925	94035	94294	96441	97372
48565	48657	61901	64910	76692	78583	78970	91285	91408	91680	91938	94120	94299	96471	98223
48568	48698	61902	65503	76723	78806	78988	91334	91413	91765	91943	94150	96315	96481	98646
48601	48900	61967	67083	78384	78866	80413	91348							

N. Hemisphere (20°N-90°N)

01001	04018	10035	16245	24343	28275	31329	40373	47827	53463	57816	70231	71866	72240	72501
01004	04202	10184	16320	24507	28445	31369	40375	47909	53513	57972	70261	71867	72248	72518
01028	04220	10200	16429	24641	28661	31736	40394	47918	53614	57993	70308	71896	72249	72520
01152	04270	10238	16560	24688	28698	31873	40416	47936	53845	58027	70316	71906	72250	72528
01241	04320	10272	16716	24817	28722	31909	40430	47945	53915	58150	70326	71907	72251	72558
01400	04339	10338	17030	24944	28952	31977	40437	47971	54292	58203	70350	71909	72261	72597
01415	04360	10393	17130	24959	29231	32061	41170	47991	54374	58238	70361	71913	72265	72645
02185	06011	10410	17220	25400	29263	32150	41217	50527	54511	58362	70454	71915	72274	72659
02365	06181	10486	17607	25563	29572	32540	41923	51076	54823	58457	71043	71917	72293	72662
02527	06260	10548	20046	25703	29612	33317	45004	51431	54857	58633	71072	71924	72305	72681
02836	06447	10618	20292	25913	29634	33345	47122	51463	55299	58725	71081	71925	72317	72712
02935	06610	10739	20744	26038	29698	34009	47138	51644	55591	58968	71082	71926	72327	72734
02963	07110	10771	21504	26063	29862	34122	47401	51709	56029	59134	71109	71934	72340	72747
03005	07145	10868	21982	26298	30054	34560	47412	51777	56080	59211	71119	71945	72357	72768
03026	07180	11120	22113	26629	30230	34858	47420	51828	56137	59265	71197	71957	72363	72797
03213	07481	11520	22217	26781	30309	35121	47580	51848	56571	59316	71203	71964	72365	74389
03240	07510	11952	22550	26850	30372	35229	47582	52203	56778	59431	71600	72201	72387	74494
03322	07645	12120	22845	27037	30521	35394	47590	52323	56964	60020	71603	72206	72393	74560
03496	07761	12374	23022	27199	30554	35700	47600	52418	57036	60155	71722	72208	72402	74794
03502	08001	12425	23205	27459	30635	36870	47646	52533	57127	60252	71801	72210	72403	76225
03693	08023	12843	23330	27612	30715	38062	47678	52681	57178	60715	71811	72214	72440	76256
03743	08160	15120	23472	27707	30758	38341	47681	52818	57447	70026	71816	72215	72451	76612
03808	08301	15420	23804	27730	30935	38392	47744	52836	57461	70133	71823	72230	72456	78016
03882	08430	15614	23921	27962	30965	38457	47778	52866	57494	70200	71836	72233	72469	78073
03920	08495	16044	23955	27995	31004	38507	47778	52889	57749	70219	71845	72235	72476	91165
03953	08508	16080	24125	28225	31088	40179	47807	53068						

S. Hemisphere (90S-20S)

61996	68424	68816	85543	87623	89022	89564	91958	93997	94332	94461	94637	94672	94821	94995
61998	68442	68842	85799	87715	89055	89571	93012	94302	94374	94510	94638	94711	94865	94996
68110	68512	68906	85934	87860	89512	89611	93417	94312	94403	94578	94647	94776	94910	94998
68174	68538	68994	87155	88889	89532	91592	93844	94326	94430	94610	94659	94802	94975	95527
68263	68588	85442	87576	89002	89542	91952	93986							

III. GLOBAL TELECOMMUNICATION SYSTEM

Information on the Operation of the GTS

Publication No. 9

Volume C2 - Transmission Schedules

Meteorological Broadcasts by Radio-Facsimile

Region II - India
New Delhi

CHANGES:

A	B		C	D
ATP57	1430-0230	7 403 kHz	B9W	(White +400 kHz) 10 kW
ATP65	0230-1430	14 840 kHz	B9W	(Black -400 kHz) 10 kW

Region II - Japan
Tokyo (JMH)

CHANGES: in contents effective 1 May 1996. The updates will be available shortly in the Volume C2 supplement.

Region VI - Germany

Offenbach/Main-Mainflingen

DELETE the following broadcasts:

DCF54 (134.2 kHz) and DCF37 (117.4 kHz) ceased at the end of May 1996.

A new satellite broadcast service FAX-E has been put into operation in its place. Therefore ALL pages relating to the above station should be DELETED.

IV. CODES

Manual on Codes, Volume II

E - NATIONAL CODING PROCEDURES WITH REGARD TO INTERNATIONAL CODE FORMS

Notification from the United States of America

With the implementation of the international aeronautical code format within USA at 0800 UTC on 1 July 1996, the USA indicates their national coding procedures with regard to international code forms METAR/SPECI and TAF:

U.S. National coding practices,

code FM 15-X Ext. METAR and FM 16-X Ext. SPECI

15.4.1
The group COR shall be included immediately following the YYGGgg to indicate corrected reports.

Elements which are missing or not observable shall not be replaced with "missing" indicator(s), i.e., solidi (/).

15.5.1
The mean direction and speed of the wind over the 2 minutes immediately preceding the observation shall be reported for dddff.

15.5.2
In the case of variable wind direction, ddd may be encoded as VRB when the mean wind speed is 6 knots or less.

15.5.3
If, during the 2 minutes immediately preceding the observation, the total variation in wind direction is 60 degrees or more and the mean wind speed is greater than 6 knots, the wind direction may be reported as variable.

15.5.5
Wind gust speed shall be reported when there are rapid fluctuations of speed with a variation between peaks and lulls of 10 knots or more in the 10-minute period immediately preceding the observation.

15.6.1
Prevailing visibility shall be reported in statute miles and fractions of statute miles as described in coding practices 15.6.4 below. The value of the visibility shall be followed immediately by the letters "SM" to indicate the units. Note: Outside of North America, U.S. military stations may report prevailing visibility in meters.

15.6.2 and 15.6.3
Directional variations in visibility shall not be reported as called for by these regulations.

15.6.4
Prevailing visibility, at manual stations, shall be reported as follows:

a. less than 3/8 statute mile, rounded down to the nearest 1/16 statute mile;

b. from 3/8 statute mile to 2 statute mile, rounded to the nearest 1/8 statute mile (statute miles and fractions of statute miles shall be encoded with a space. For example, 1 1/8 statue miles shall be reported by the group 1 1/8SM);

c. from 2 statute miles to 3 statute miles rounded down to the nearest 1/4 statute mile;

d. from 3 statute miles to 15 statute miles rounded down to the nearest statute mile; and

e. beyond 15 statute miles rounded down to the nearest 5 statute miles.

Prevailing visibility, at automated stations, shall be reported as follows:

a. less than 1/4 statute mile shall be reported as M1/4;

b. less than 2 statute miles, rounded down to the nearest 1/4 statute mile;

c. between 2 statute miles and 3 statute miles, rounded down to the nearest 1/2 mile; and,

d. between 3 statute miles and 10 statute miles, rounded down to the nearest statute mile.

Note:
Some automated stations may report prevailing visibility of 6, 8, and 9 statute miles.
When the visibility from the air traffic control tower is less than 4 statute miles and is lower than the prevailing visibility, it shall be encoded as the prevailing visibility.

Note:
U.S. military stations will shall report tower visibility in remarks.

15.7
Groups $RD_RD_R/V_RV_RV_RV_RFT$ or

$RD_RD_R/V_NV_NV_NV_NVV_XV_XV_XV_XFT$

Runway visual range shall be reported in feet (FT).

Runway visual range values shall be based on light setting 5.

15.7.1
Runway visual range shall be included in the report in accordance with Regulation 15.7 during periods when the prevailing visibility is 1 statute miles (1600 meters at U.S. military stations outside of North America) or less and/or the runway visual range for the designated instrument runway is 6,000 feet or less.

15.7.4
Selected U.S. stations shall report the 1-minute mean runway visual range.

15.7.4.3
The runway visual range tendency shall not be reported.

15.7.5/15.7.6
When the runway visual range varies by more than a reportable increment during the 10-minute period preceding the observation time, the lowest reportable value in feet for the 10 minutes preceding the observation shall be reported as $V_NV_NV_NV_N$. The highest reportable value in feet in the 10 minutes preceding the observation shall be reported as $V_XV_XV_XV_XFT$.

15.8.1
The following weather phenomena/qualifiers shall not be reported by automated stations: FC, GR, IC, PE, SG, GS, DZ, FU, VA, SA, SS, DS, TS, MI, BC, DR, BL, SH, VC, and PO.

15.8.4
Appropriate intensity indicators shall be prefixed to significant weather, except for GR and BLSN.

15.8.6
If more than one significant weather phenomenon is observed, entries shall be made in the following order: tornadic activity, thunderstorms, precipitation, and obscurations.

15.8.8
A thunderstorm shall be regarded as having ceased 15 minutes after thunder was last heard.

15.8.10
U.S. stations will report FC as at the station.
U.S. stations will use the proximity qualifier VC to indicate weather phenomena observed between 5 and 10 statute miles of the usual point of observation but not at the station.

15.8.12
For w'w'=IC to be reported, the visibility shall be reduced by this phenomenon to less than 7 statute miles.

15.8.13
Obscurations shall only be reported when the visibility is reported as less than 7 statute miles. Volcanic ash shall, however, always be reported.

15.8.14
For w'w'=BR to be reported, the prevailing visibility shall be less than 7 statute miles but greater than or equal to 5/8 statute miles.

15.9.1.1
The acronym CLR may be used when no clouds below 12000 feet are reported by automated stations.

15.9.1.2
U.S. stations shall report the cumulative amount of clouds occurring at and below each level up to the first overcast layer. Clouds above 12,000 feet shall not be reported from automated stations.

15.9.1.3
U.S. stations shall report all cloud layers (not limited to 3) in ascending order up to the first overcast layer. Significant convective cloud (CB and TCU) information shall not be reported from automated stations.

15.9.1.4
These procedures shall not be used.

15.9.1.5
U.S. stations shall report the heights of the base of the cloud layers as follows:

a. less than 5,000 feet, rounded down to the nearest 100 feet;

b. from 5,000 feet to less than 10,000 feet, rounded down to the nearest 500 feet; and

c. above 10,000 feet, rounded down to the nearest 1,000 feet.

15.10
CAVOK shall not be used.

15.13.1, 15.13.2, and 15.13.3
U.S. stations shall not report supplementary information using the methods described in 15.13.2 and 15.13.3. Similar information may be included as additional supplementary information using the methods described in the U.S. coding practices 15.13.4.

15.13.4
Supplementary remarks may be included in observations from U.S. stations following the identifier group RMK. These data are intended as national interest only and are equivalent to section 5 of FM 12-IX Ext. SYNOP.

15.14
Trend forecasts shall not be used.

U.S. National coding practices, code FM 51-X Ext. TAF

51.3.3
In the case of variable wind direction, ddd may be encoded as variable, VRB, when the mean wind speed is forecast to be 6 knots or less.

51.3.4
When the peak wind speed is forecast to exceed the lull by 10 knots or more, the maximum wind speed shall be indicated by adding Gf_mf_m immediately after dddff.

51.4.1
The prevailing visibility shall be forecast.

51.4.3
Visibility shall be forecast in statute miles and fractions of statute miles as described in regulation 15.6.4. The visibility value shall be followed immediately by the letters "SM" to indicate the units.

Note: U.S. military stations forecast visibility in meters.

51.5.1
Obscurations shall be forecast whenever the prevailing visibility is forecast to be less than 7 statute miles. Volcanic ash shall always be forecast when expected.

51.6.1.2
All cloud layers up to the first overcast layer shall be forecast. $N_sN_sN_s$ shall be the cumulative amount of sky cover forecast to be at the level $h_sh_sh_s$ and all lower layers.

51.6.1.3
U.S. stations shall forecast all cloud layers up to the first overcast layer in ascending order.

51.6.1.4
These procedures shall not be followed.

51.6.1.5
U.S. stations shall forecast the heights of the base of the cloud layers as follows:

a. less than 5,000 feet, rounded down to the nearest 100 feet;

b. from 5,000 feet to less than 10,000 feet, rounded down to the nearest 500 feet; and

c. above 10,000 feet, rounded down to the nearest 1,000 feet.

51.7
CAVOK shall not be used.

51.15
Group ($WSh_{ws}h_{ws}h_{ws}$/dddffKT or WSCONDS)

51.15.1
The group indicates:

- WS - indicator for wind shear
- $h_{ws}h_{ws}h_{ws}$ - height of wind shear
- dddffKT - wind direction and speed in knots above the wind shear
- WSCONDS - full forecast of height, windspeed, and wind direction is unobtainable
- entered as the first regional group

Note:
Only encoded when forecast to occur at or below 2,000 feet (AGL).

51.16
Group ($QNHP_IP_IP_IP_I$INS)

51.16.1
The group indicates:

- QNH - group indicator
- $P_IP_IP_IP_I$ - lowest forecast altimeter setting to the nearest hundredths of an inch (without decimal point) for the forecast period
- INS - units of measure

Note:
(1) Only used by U.S. military stations.
(2) Not used in TEMPO and FM periods

Code Table 0300

B - Turbulence

Code figure X	Extreme turbulence

Extreme turbulence: Turbulence in which the aircraft is violently tossed about and is practically impossible to control. It will cause structural damage. Note: May be forecast by U.S. military stations.

Code Table 4678 - Significant Present and Forecast Weather

UP	Precipitation of unknown type
PY	Spray

Notes:

(1) At automated observing stations, precipitation of unknown type shall be coded as UP.

(2) PY shall be used only in combination with descriptor BL. Blowing spray is water droplets torn by the wind from a body of water, generally from crests of waves, and carried into the air in such quantities that visibility is reduced to less than 7 statute miles.

V. MARINE METEOROLOGICAL SERVICES (MMS) AND RELATED OCEANOGRAPHIC ACTIVITIES

Information on the Operation of Marine Meteorological Services

Broadcasts for Shipping and Other Marine Activities

Publication No. 9

Volume D - Information for Shipping

Part Ai - *Meteorological Broadcasts by Radiotelegraphy and Radiotelephony*

Region VI - Germany

Offenbach (Main)/Pinneberg, Group D, Changes effective 23.IV.1996:

♦DDK2, DDH7, DDK8

REPLACE transmission time 0548 by 0530.
DELETE transmission time 1748.
INSERT new transmission times:

0548 In Clear (English) Weather report Mediterranean Sea (Weather situation, time series medium range forecast)

1048 In Clear (English) Weather report North and Baltic Sea (Weather situation, time series short range forecast)

1118 In Clear (English) Weather report North and Baltic Sea (Weather situation, time series medium range forecast)

1748 In Clear (English) Weather report North and Baltic Sea (Weather situation, time series medium range forecast)

At 1000 and 1600 UTC replace "German" and "English Language".

♦DDH47, DDH9, DDH8

DELETE transmission times 1200, 1418 and 1805.
INSERT New transmission times:

0620 In clear (German) Weather report Mediterranean Sea (Weather situation, time series medium range forecast)

1148 In clear (German) Weather report North and Baltic Sea (Weather situation, time series short range forecast)

1203 In clear (German) Weather report North and Baltic Sea (Weather situation, time series medium range forecast)

1418 In clear (German) Weather report North and Baltic Sea (Weather situation, time series medium range forecast)

Part Aii - *Meteorological Broadcasts by Radio-Facsimile*

Region II - India

New Delhi

CHANGES:

A	B		C	D
ATP57	1430-0230	7 403 kHz	B9W	(White +400 kHz) 10 kW
ATP65	0230-1430	14 840 kHz	B9W	(Black -400 kHz) 10 kW

Region II - Japan

Tokyo (JMH)

CHANGES: in contents effective 1 May 1996. The updates will be available shortly in the Volume D supplement.

Region VI - Germany

Offenbach/Main-Mainflingen

DELETE the following broadcasts:

DCF54 (134.2 kHz) and DCF37 (117.4 kHz) ceased at the end of May 1996.

A new satellite broadcast service FAX-E has been put into operation in its place. Therefore pages D-Aii-VI-18-1 to D-Aii-VI-18-29 should be DELETED.

Part B

Coastal Radio Stations Accepting Ships' Weather Reports and Oceanographic Reports

Region V - New Zealand

Auckland (ZLD), Group A,
DELETE station.

Region VI - Netherlands

Scheveningen Radio (PCH) will cease to accept weather reports and oceanographic reports from ships. All weather reports are to be transmitted via INMARSAT-C to land earth station Burum (Station 12) with special access code 41.

All data concerning Scheveningen Radio (PCH) are to be deleted.

Part C1

Marine Meteorological Services Available for Main Ports

Region VI - Netherlands

Edit **Column 3** for all ports under Netherlands:

Amend to read: Telephone (030)-2206391
Telefax (030)-2210849

DELETE telex number 47096 and
INSERT: INMARSAT-C IDNR. 492040720.

Edit **Column 6** for all ports under Netherlands::

Amend to read: Telephone (0174)-387272
Telefax: (0174)-383963

In port of Rotterdam amend **Column 5** to read:
"Local Weather Forecasts".

CATALOGUE

OF RADIOSONDES

AND

UPPER-AIR WIND SYSTEMS

IN USE BY MEMBERS

1996

Blank page retained for pagination

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 is in use, is also necessary. Hence, CIMO has asked its Rapporteur for Compatibility of Radiosonde Geopotential Measurements to maintain and update a directory of Upper-air stations.

The previous edition of the ***"WMO Catalogue of Radiosondes and Upper Wind Systems in Use by Members"*** was published in Report No. 56 *"Instruments and Observing Methods"* by Mr. T. Oakley, and for the first time in the February 1994 *Operational Newsletter*. This list has since been updated and has been used as the basis of the new Catalogue, and contains data on radiosonde types, windfinding equipment, ground systems, radiation corrections, etc...for all the stations in the global upper-air network.

2. UPDATING

If the information given in this Catalogue is is found to be incorrect or obsolete, WMO would be grateful to receive corrections through the attached Feedback Form (see page v of the "Catalogue") at the address given below:

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

For a speedier update service changes could be sent to WMO via electronic mail. Our e-mail address is as follows:

PWOI@WWW.WMO.CH.

3. Guidelines on the information and abbreviations used are as follows:

3.1 The Catalogue is arranged by region:

Region 1 = Africa
Region 2 = Asia
Region 3 = South America
Region 4 = North and Central America
Region 5 = South-West Pacific
Region 6 = Europe
7 = Antarctica
8 = Ship Stations

3.2 The following is a more detailed explanation of the layout:

Column 1 = "Index No." = Index Number, WMO block number and station number

Column 2 = "Name" = Station name

Column 3 = "Position: Lat. (-=S)" = Latitude of the station in degrees (minus =South)

Column 4 = "Position: Long. (-=W)" = Longitude of the station in degrees (minus =West)

Column 5 = "Position: Ht. (m/AMSL)" = Height of station in metres above mean sea level (MSL)

Column 6 = "Program: TEMP" = Nominal hours of TEMP soundings (i.e. 00 = 00 UTC)

Column 7 = "Program: PILOT" = Nominal hours of PILOT soundings (i.e. 18 = 18 UTC)

Column 8 = "Radiosonde: Regular" = Regular type of radiosonde used (see Table 1 below)

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, SIR 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 1

Column 9 = "Radiosonde: Alternative" = Alternative type of radiosonde used (see Table 1 above)

Column 10 = "Radiosonde: Frequency" = Radiosonde transmitter frequency (MHz)

Column 11 = "GCOS (Y/N)" = Is the station included in the GCOS upper-air network (y=yes, n=no)

Column 12 = "Ground equipment"

Column 13 = "Geo. ht. calc. AUTO/MAN" = Geopotential height calculation, Automated=A, Manual=M

Column 14 = "Radiation Corr. Yes/No" = Whether a radiation correction is applied (y=yes, n=no)

Column 15 = "Radiation Corr. Type" = If radiation correction is applied, type identification if known (see Table 2 below)

CORRECTION TYPE	DESCRIPTION
V82	Vaisala RS80 radiation correction 1982
V86	Vaisala 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 2

Column 16 = "Windfinding System/Method"

Column 17 = "Windfinding Equipment"

Column 18 = "Remarks" = Any other information pertaining to the station

Column 19 = "Date" = Month/Year at which information was last updated

FEEDBACK FORM

Country: _____ **Date:** _____

Index No.:			
Name:			
Latitude (-=S):			
Longitude (-=W):			
Height (m/AMSL):			
TEMP Program:			
PILOT Program:			
Regular Radiosonde Type:			
Alternative Radiosonde Type:			
Radiosonde Frequency (MHz):			
Geopotential ht. calculation AUTO/ MANUAL			
GCOS (Y/N):			
Ground Equipment:			
Radiation Correction (Y/N):			
Radiation Correction Type:			
Windfinding System/Method:			
Windfinding Equipment:			
Remarks:			

Index No.:			
Name:			
Latitude (-=S):			
Longitude (-=W):			
Height (m/AMSL):			
TEMP Program:			
PILOT Program:			
Regular Radiosonde Type:			
Alternative Radiosonde Type:			
Radiosonde Frequency (MHz):			
Geopotential ht. calculation AUTO/ MANUAL			
GCOS (Y/N):			
Ground Equipment:			
Radiation Correction (Y/N):			
Radiation Correction Type:			
Windfinding System/Method:			
Windfinding Equipment:			
Remarks:			

Blank page retained for pagination

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
REGION I - Africa									
Algeria									
60390	DAR-EL-BEIDA	36.72	3.25	25	0012	0618	VRS80		403
60550	ELBAYADH	33.68	1.02	1341	0012	0618	VRS80		403
60571	BECHAR	31.62	-2.22	773	0012	0618	VRS80		403
60630	IN SALAH	27.4	2.85	268			VRS80		403
60680	TAMANRASSET	22.78	5.52	1378	0012	0618	VRS80		403
Botswana									
68032	MAUN	-19.98	23.42	945			VRS80N		403
68040	LETLHAKANE	-21.25	25.36	985	12		VRS80N		403
68240	SERETSE KHAMA A/P	-24.22	25.92	1005	12	000618	VRS80		403
Burkina Faso									
65503	OUAGADOUGOU	12.33	-1.5	316	12		VIZ		403
Cameroon									
64910	DOUALA OBS	4.02	9.7	9	0012	0618	VRS80		403
Cape Verde									
08594	SAL	16.73	-22.95	55	0012		VIZ		1680
Central African Republic									
64650	BANGUI	4.4	18.52	366	12	000618	VRS80N		403
Côte d'Ivoire									
65578	ABIDJAN	5.25	-3.93	7	0012	0618	VRS80		403
Egypt									
62306	MERSA MATRUH	31.33	27.22	30	0012	0618	VIZ A		403
62378	HELWAN	29.87	31.33	141	0012	0618	VIZ A		403
62414	ASSWAN	23.97	32.78	194	0012	0618	VIZ A		403
Ethiopia									
63450	ADDIS ABABA	8.89	38.8	2324	12		VRS80N		403
France									
61996	MARTIN DE VIVIES (Ile Amsterdam)	-37.8	77.53	29	12		VRS80N		403
61976	SERGE-FROLOW (Ile Tromelin)	-15.88	54.52	14		12	VWS80		403
61998	PORT-AUX-FRANCAIS (Iles Kerguelen)	-49.35	70.25	30	12		VRS80N		403
Kenya									
63612	LODWAR	3.7	35.37	515	0012		MES73A		405
63741	NAIROBI/DAGORETTI	-1.3	36.75	1798	0012		VRS80N		403
Libyan Arab Jamahiriya									
62010	TRIPOLI INT A/P	32.68	13.17	81	12		VRS80N		403
62019	SIRTE	31.2	16.58	13	00		VRS80N		403
62053	BENINA	32.08	20.27	132	12		VRS80N		403
62103	GHADAMES	30.13	9.5	357	00		VRS80N		403
62124	SEBHA	27.02	14.43	432	12		VRS80N		403
Madagascar									
67083	ANTANANARIVO/IVATO	-18.8	47.48	1276	0012	06	VRS80		403
67197	FORT-DAUPHIN	-25.03	46.95	9	00	0612	VRS80		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
REGION I - Africa									
Algeria									
60390	N	DACOS		Y	V86	RADIOTHEDOLITE			
60550	N	DACOS		Y	V86	SECONDARY RADAR			
60571	N	DACOS		Y	V86	RADIOTHEDOLITE			
60630	N	DACOS		Y	V86	RADIOTHEODOLITE			
60680	Y	DACOS		Y	V86	RADIOTHEODOLITE			
Botswana									
68032	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	VERY FEW OBS	01/93
68040	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/93
68240	N	PP11?		N		RADIOTHEODOLITE		PROBABLY NOT ACTIVE	01/93
Burkina Faso									
65503	N	?	A	N		?	?	ADDED JAN 96	01/96
Cameroon									
64910	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID		
Cape Verde									
08594	N			N		RADIOTHEODOLITE	SERVO CORPS?		12/92
Central African Republic									
64650	N	STAR	A	Y	V86	OMEGA	STAR	CHANGED USING 31313	01/96
Côte d'Ivoire									
65578	Y	CITAR/PP11		N		RADAR	CITAR		02/93
Egypt									
62306	Y	U6600		N		RADAR	EEC		01/96
62378	N	U6600		N		RADAR	EEC	ADDED TO LIST DEC 1992.	01/96
62414	Y	RADTRAC/ PLESSY		N		RADAR	PLESSEY	ADDED TO LIST DEC 1992.	01/96
Ethiopia									
63450	Y	DIGICORA/ PP11	A	Y	V86	OMEGA	NAVAID		11/92
France									
61996	Y	STAR		Y	V86	OMEGA	STAR		12/92
61976	Y	PP11/STAR		N		RADIOTHEODOLITE	MES.	WINDS ONLY	12/92
61998	Y	STAR		Y	V86	OMEGA	STAR		12/92
Kenya									
63612	N	RSV 2/9915		N		RADAR	ZEPHYR	CHANGED NO. (63723)	01/93
63741	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/93
Libyan Arab Jamahiriya									
62010	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/95
62019	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/95
62053	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/95
62103	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/95
62124	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/95
Madagascar									
67083	N	OMERA/PP11		N		RADAR?			
67197	Y	OMERA/PP11		N		RADAR?			

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
Malawi									
67586	LILONGWE INT. A/P	-13.78	33.77	1229	12	06	MES73A		403
Mali									
61202	TESSALIT	20.12	0.59	491	12	000618	VRS80N		403
61223	TOMBOUCTOU	16.72	-3	264	12	000618	VRS80N		403
61291	BAMAKO/SENOU	12.53	-7.95	381	0012	0618	VRS80N		403
Mauritania									
61415	NOUADHIBOU	20.93	-17.03	3	12	000618	VRS80		403
Mauritius									
61995	VACOAS	-20.3	57.5	425					0
Morocco									
60155	CASABLANCA	33.57	-7.67	62	12	000618	VRS80N		403
60191	BENI-MELLAL	32.37	-6.4	468	0012		VRS80N		403
60252	AGADIR AL MASSIRA	30.38	-9.57	23	00	061218	MES		0
Mozambique									
67237	NAMPULA	-15.1	39.28	441	12		VRS80N		403
67341	MAPUTO/MAVALANE	-25.92	32.57	44	12		VRS80N		403
Namibia									
68110	WINDHOEK	-22.57	17.1	1700	0012		VRS80N		403
Niger									
61024	AGADEZ	16.58	7.59	502	0012	0618	VRS80N		403
61052	NIAMEY-AERO	13.48	2.17	227	0012	0618	VRS80N		403
Portugal									
08522	FUNCHAL (Madeira)	32.63	-16.9	56	0012		VRS80N		403
Senegal									
61641	DAKAR/YOFF	14.73	-17.5	24	0012	0618	VRS80N		403
Seychelles									
63985	SEYCHELLES INTER A/P	-4.68	55.53	4	0012		VRS80		403
South Africa									
68174	PIETERSBURG	-23.87	29.45	1228	0012		VRS80N		1680
68263	PRETORIA (IRENE)	-25.92	28.22	1523	0012		VRS80N		1680
68424	UPINGTON	-28.4	21.27	839	0012		VRS80N		1680
68442	BLOEMFONTEIN (J.B.M. HERTZOG)	-29.1	26.3	1354	0012		VRS80N		1680
68461	BETHLEHEM A/P	-28.25	28.33	1686	0012		VRS80N		1680
68512	SPRINGBOK	-29.67	17.88	1006	0012		VRS80N		1680
68538	DE AAR	-30.65	24.02	1287	0012		VRS80N		1680
68588	DURBAN (LOUIS BOTHA)	-29.97	30.95	14	0012		VRS80N		1680
68816	CAPE TOWN (D.F. MALAN)	-33.97	18.6	42	0012		VRS80N		1680
68842	PORT ELIZABETH	-33.98	25.6	61	0012		VRS80N		1680
68906	GOUGH IS.	-40.35	-9.88	54	0012		VRS80N		1680
68994	MARION IS.	-46.88	37.87	22	0012		VRS80N		1680
Spain									
60020	SANTA CRUZ DE TENERIFE, CMZ (Canary Is.)	28.45	-16.25	36	0012		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
Malawi									
67586	N	HEWLETT PACKARD		N		RADIOTHEODOLITE			12/92
Mali									
61202	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED JAN 96.	01/96
61223	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
61291	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
Mauritania									
61415	N	CITAR/PP11				RADAR?			
Mauritius									
61995	Y			N		RADAR	PLESSEY WF3	WINDS ONLY	01/93
Morocco									
60155	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
60191	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
60252	N					OPT. THEOD?			
Mozambique									
67237	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		11/92
67341	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		
Namibia									
68110	Y	DIGICORA?	A	Y	V86	OMEGA	DIGICORA?		01/93
Niger									
61024	N	DIGICORA MW11		Y	V86	OMEGA	DIGICORA	OPERATIONAL FROM FEB 93?	12/92
61052	Y	DIGICORA MW11		Y	V86	OMEGA	DIGICORA		12/92
Portugal									
08522	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
Senegal									
61641	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGE TO DIGI.? SOURCE-31313	04/93
Seychelles									
63985	Y	STAR	A	Y	V86	RADAR	PLESSEY WF3	CHANGED USING 31313	01/96
South Africa									
68174	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68263	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68424	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68442	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68461	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68512	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68538	N	DIGICORA	A	Y	V86	OMEGA	NAVAID	ADDED TO LIST JAN 1993	01/96
68588	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68816	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68842	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68906	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
68994	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID		01/96
Spain									
60020	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
Sudan									
62721	KHARTOUM	15.6	32.55	380	0012		VRS80N		403
Tunisia									
60715	TUNIS CARTHAGE	36.83	10.23	4	0012	0618	VRS80N		403
60760	TOZEUR	33.92	8.12	51	12	000618	VRS80N		403
United Kingdom of Great Britain and Northern Ireland									
61901	ST. HELENA IS.	-15.93	-5.67	436	12		VRS80N		403
Zambia									
67475	KASAMA	-10.2	31.1	0					0
67666	LUSAKA CITY A/P	-15.42	28.32	1280	12	06	VRS80N		403
Zimbabwe									
67774	HARARE (BELVEDERE)	-17.83	31.02	1472	00	12	VRS80		403
67843	VICTORIA FALLS	-18.01	25.85	1062	00	12	VRS80		403
67964	BULAWAYO (GOETZ OBS)	-20.15	28.62	1344	00	12	VRS80		403
Operated by United States of America									
61902	WIDE AWAKE FIELD (Ascension Is.)	-7.97	-14.4	79	12		MSS	VIZ	1680
61967	DIEGO GARCIA	-7.35	72.48	2	00	12	VRS80N		400

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
Sudan									
62721	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		04/93
Tunisia									
60715	N	DIGICORA	A	Y	V86	OMEGA	NAVAID		10/92
60760	N	DIGICORA		Y	V86	OMEGA	NAVAID		10/92
United Kingdom of Great Britain and Northern Ireland									
61901	Y	PC-CORA	A	Y	V93	OMEGA	PC-CORA+ SPO11	TO PC-CORA/OMEGA OCT. 92	01/96
Zambia									
67475	N								
67666	N	DIGICORA	A	Y	V86	OMEGA	NAVAID	BAROMETER HT UNKNOWN	
Zimbabwe									
67774	Y	PP11		Y	V82?	RADAR	PLESSEY/ZEPHYR		12/92
67843	N	DIGICORA		Y	V86	RADAR	DIGICORA/ZEPHYR	ADDED TO LIST DEC 1992.	12/92
67964	N	PP11		Y	V82?	RADAR	PLESSEY/ZEPHYR		12/92
Operated by United States of America									
61902	Y	GMD-5		N		RADIOTHEO/XPOND		USES BOTH OSC AND VIZ MSS	01/96
61967	N	MARWIN	A	Y	V86	OMEGA	MARWIN	CHANGED FROM VIZ, SUMMER 88	

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
REGION 2 - ASIA									
Afghanistan, Islamic State of									
40938	HERAT	34.22	62.22	964	0012	06			0
40948	KABUL A/P	34.55	69.22	1791	0012	06			0
40990	KANDAHAR A/P	31.5	65.85	1010	0012	06			0
Bangladesh									
41923	DHAKA	23.77	90.38	9	00	061218	VIZ B	MEISEI	1680
China									
50527	HAILAR	49.22	119.75	611	0012		SHANG		400
50557	NENJIANG	49.17	125.22	243	0012		SHANG		400
50774	YICHUN	47.72	128.9	232	0012		SHANG		400
50953	HARBIN	45.68	126.62	143	0012		SHANG		400
51076	ALTAY	47.73	88.08	737	0012		SHANG		400
51431	YINING	43.95	81.33	663	0012		SHANG		400
51463	URUMQI	43.9	87.47	919	0012		SHANG		400
51644	KUQA	41.72	82.95	1100	0012		SHANG		400
51709	KASHI	39.47	75.98	1291	0012		SHANG		400
51777	RUOQIANG	39.03	88.17	889	0012		SHANG		400
51828	HOTAN	37.13	79.93	1375	0012		SHANG		400
51848	ANDIR	37.93	83.65	1264	0012		SHANG		400
52203	HAMI	42.82	93.52	739	0012		SHANG		400
52267	EJIN QI	41.98	101.07	941	0012		SHANG		400
52323	MAZONG SHAN	41.63	96.88	1770	0012		SHANG		400
52418	DUNHUANG	40.13	94.78	1140	0012		SHANG		400
52533	JIUQUAN	39.77	98.52	1478	0012		SHANG		400
52681	MINQIN	38.72	103.1	1367	0012		SHANG		400
52818	GOLMUD	36.2	94.63	2809	0012		SHANG		400
52836	DULAN	36.33	98.03	3192	0012		SHANG		400
52866	XINING	36.75	101.6	2296	0012		SHANG		400
52889	LANZHOU	36.05	103.88	1518	0012		SHANG		400
53068	ERENHOT	43.65	112	966	0012		SHANG		400
53463	HCHHOT	40.82	111.68	1065	0012		SHANG		400
53513	LINHE	40 77	107.4	1041	0012		SHANG		400
53614	YINCHUAN	38.48	106.22	1112	0012		SHANG		400
53772	TAIYUAN	37.78	112.55	779	0012		SHANG		400
53845	YAN AN	36.6	109.5	959	0012		SHANG		400
53915	PINGLIANG	35.55	106.67	1348	0012		SHANG		400
54102	XILIN HOT	43.95	116.07	991	0012		SHANG		400
54135	TONGLIAO	43.6	122.27	180	0012		SHANG		400
54161	CHANGCHUN	43.9	125.22	238	0012		SHANG		400
54218	CHIFENG	42.27	118 97	572	0012		SHANG		400
54292	YANJI	42.88	129.47	178	0012		SHANG		400
54337	JINZHOU	41.13	121.12	30	0012		SHANG		400

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
REGION 2 - ASIA									
Afghanistan, Islamic State of									
40938	N								
40948	N								
40990	N								
Bangladesh									
41923	N	RD-65		N		RADIOTHEODOLITE	RD-65	MIXTURE OF VIZ/MEISEI	01/96
China									
50527	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
50557	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
50774	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
50953	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51076	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51431	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51463	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51644	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51709	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51777	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51828	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
51848	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52203	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52267	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52323	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52418	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52533	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52681	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52818	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52836	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52866	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
52889	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53068	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53463	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53513	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53614	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53772	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53845	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
53915	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54102	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54135	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54161	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54218	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54292	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54337	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
54342	SHENYANG	41.82	123.55	43	0012		SHANG		400
54374	LINJIANG	41.72	126.92	333	0012		SHANG		400
54497	DANDONG	40.05	124.33	13	0012		SHANG		400
54511	BEIJING	39.8	116.47	55	0012		SHANG		400
54662	DALIAN	38.9	121.63	97	0012		SHANG		400
54823	JINAN	36.68	116.98	58	0012		SHANG		400
54857	QINGDAO	36.07	120.33	77	0012		SHANG		400
55299	NAQU	31.48	92.05	4508	0012		SHANG		400
55591	LHASA	29.7	91.13	3650	0012		SHANG		400
56029	YUSHU	33.1	96.75	3682	0012		SHANG		400
56080	HEZUO	34.92	103.07	2910	0012		SHANG		400
56137	QAMDO	31.18	96.98	3307	0012		SHANG		400
56146	GARZE	31.63	99.98	3394	0012		SHANG		400
56294	CHENGDU	30.67	104.02	508	0012		SHANG		400
56571	XICHANG	27.88	102.3	1599	0012		SHANG		400
56691	WEINING	26.87	104.28	2236	0012		SHANG		400
56739	TENGCHONG	25.12	98.48	1649	0012		SHANG		400
56778	KUNMING	25.02	102.68	1892	0012		SHANG		400
56964	SIMAO	22.67	101.4	1303	0012		SHANG		400
56985	MENGZI	23.38	103.38	1302	0012		SHANG		400
57036	XI'AN	34.3	108.93	398	0012		SHANG		400
57083	ZHENGZHOU	34.72	113.65	111	0012		SHANG		400
57127	HANZHONG	33.07	107.03	509	0012		SHANG		400
57178	NANYANG	33.03	112.58	131	0012		SHANG		400
57447	ENSHI	30.27	109.37	458	0012		SHANG		400
57461	YICHANG	30.7	111.08	134	0012		SHANG		400
57494	WUHAN	30.63	114.07	23	0012		SHANG		400
57516	CHONGQING	29.52	106.48	260	0012		SHANG		400
57679	CHANGSHA	28.2	113.07	46	0012		SHANG		400
57749	HUAIHUA	27.57	110	261	0012		SHANG		400
57816	GUIYANG	26.58	106.72	1222	0012		SHANG		400
57957	GUILIN	25.33	110.3	166	0012		SHANG		400
57972	CHENZHOU	25.75	112.98	185	0012		SHANG		400
57993	GANZHOU	25.83	114.83	125	0012		SHANG		400
58027	XJZHOU	34.28	117.3	42	0012		SHANG		400
58150	SHEYANG	33.77	120.25	7	0012		SHANG		400
58203	FUYANG	32.93	115.83	39	0012		SHANG		400
58238	NANJING	32	118.8	12	0012		SHANG		400
58362	SHANGHAI	31.24	121.28	7	0012		SHANG		400
58424	ANQING	30.52	117.03	20	0012		SHANG		400
58457	HANGZHOU	30.23	120.17	43	0012		SHANG		400
58606	NANCHANG	28.67	115.97	46	0012		SHANG		400
58633	QU XIAN	28.97	118.87	71	0012		SHANG		400

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
54342	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54374	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54497	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54511	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54662	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54823	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
54857	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
55299	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
55591	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56029	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56080	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56137	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56146	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56294	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56571	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56691	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56739	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56778	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56964	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
56985	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57036	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57083	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57127	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57178	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57447	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57461	Y			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57494	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57516	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57679	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57749	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57816	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57957	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57972	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
57993	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58027	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58150	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58203	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58238	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58362	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58424	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58457	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58606	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58633	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
58665	HONGJIA	28.45	121.88	22	0012		SHANG		400
58725	SHAOWU	27.33	117.47	192	0012		SHANG		400
58847	FUZHOU	26.08	119.28	85	0012		SHANG		400
58968	TAIBEI	25.03	121.52	9	0012				0
59134	XIAMEN	24.45	118.07	139	0012		SHANG		400
59211	BAISE	23.92	106.53	242	0012		SHANG		400
59265	WUZHOU	23.48	111.3	117	0012		SHANG		400
59287	GUANGZHOU	23.13	113.32	8	0012		SHANG		400
59316	SHANTOU	23.4	116.68	4	0012		SHANG		400
59431	NANNING	22.82	108.35	73	0012		SHANG		400
59758	HAIKOU	20.03	110.35	15	0012		SHANG		400
59981	XISHA DAO	16.83	112.33	5	0012		SHANG		400
Democratic People's Republic of Korea									
47041	HAMHEUNG	39.93	127.55	38	0012				0
47058	PYONGYANG	39.03	125.78	38	0012				0
Russian Federation									
20046	GMO IM.E.K.KRENKELJA	80.62	58.05	20	0012		MRZ		1782
20292	GMO IM.E.K. FEDEROVA	77.72	104.28	15	0012		MRZ		1782
20667	IM. M.V.POPOVA	73.33	70.02	4	0012		MARS		1782
20674	OSTROV DIKSON	73.5	80.23	47	0012		MARS		1782
20744	MALYE KARMAKULY	72.38	52.73	19	0012		MARS		1782
20891	HATANGA	72	102.57	26	0012		MRZ		1782
21432	OSTROV KOTEL'NYJ	76	137.87	22	0012		MARS		1782
21504	OSTROV PREOBRAZENIJA	74.67	112.93	61	0012		MRZ		1782
21647	MYS SALAUROVA	73.18	143.93	20	0012		MARS		1782
21824	TIKSI	71.58	128.92	4	0012		MRZ		1782
21946	COKURDAH	70.62	147.88	44	0012		MRZ		1782
21982	OSTROV VRANGELJA	70.97	-178.53	3	0012		MARS		1782
22820	PETROZAVODSK	61.82	34.27	110	0012		MARS		1782
22845	KARGOPOL	61.5	38.95	126	0012		MRZ		1782
23022	AMDERMA	69.77	61.68	55	0012		MRZ		1782
23205	NAR'JAN-MAR	67.65	53.12	6	0012		MRZ		1782
23330	SALEHARD	66.53	66.67	16	0012		MRZ		1782
23418	PECHORA	65.12	57.1	61	0012		MARS		1782
23472	TURUHANSK	65.78	87.95	38	0012		MRZ		1782
23552	TARKO-SALE	64.92	77.82	27	0012		MARS		1782
23804	SYKTYVKAR	61.67	50.85	116	0012		MRZ		1782
23884	BOR	61.57	90.3	60	0012		MRZ		1782
23921	IVDEL'	60.68	60.43	95	0012		MRZ		1782
23933	HANTY-MANSIJSK	61.02	69.03	44	0012		MARS		1782
23955	ALEKSANDROVSKOE	60.43	77.87	48	0012		MRZ		1782
24125	OLENEK	68.52	112.43	207	0012		MRZ		1782
24266	VERHOJANSK	67.52	133.38	137	0012		MRZ		1782

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
58665	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58725	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58847	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
58968	N								
59134	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59211	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59265	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59287	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59316	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59431	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59758	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
59981	N			Y		SECONDARY RADAR	BRIDGE MACH	GZZ 21	12/92
Democratic People's Republic of Korea									
47041	Y								
47058	N								
Russian Federation									
20046	N	AVK		Y		SECONDARY RADAR	AVK		01/96
20292	N	AVK		Y		SECONDARY RADAR	AVK		01/96
20687	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2	ADDED TO LIST JAN. 93	01/96
20674	Y	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI AUTOMATIC/MANUAL	01/96
20744	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
20891	N	AVK		Y		SECONDARY RADAR	AVK		01/96
21432	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
21504	N	AVK		Y		SECONDARY RADAR	AVK		01/96
21647	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
21824	N	AVK		Y		SECONDARY RADAR	AVK		01/96
21946	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN. 93	01/96
21982	Y	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
22620	N	METORIT		Y		SECONDARY RADAR	METEORIT-1	ADDED TO LIST JAN. 96	01/96
22845	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN. 93	01/96
23022	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23205	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23330	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23418	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
23472	Y	AVK		Y		SECONDARY RADAR	AVK		01/96
23552	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
23804	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23884	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23921	N	AVK		Y		SECONDARY RADAR	AVK		01/96
23933	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
23955	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24125	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24266	Y	AVK		Y		SECONDARY RADAR	AVK		01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
24343	ZHIGANSK	66.77	123.4	80	0012		MRZ		1782
24507	TURA	64.17	100.07	186	0012		MRZ		1782
24641	VILJUJSK	63.77	121.62	111	0012		MRZ		1782
24688	OJMJAKON	63.27	143.15	740	0012		MRZ		1782
24817	ERBOGACEN	61.27	108.02	284	00		MRZ		1782
24908	VANAVARA	60.33	102.33	260	0012		MRZ		1782
24944	OLEKMINSK	60.37	120.4	134	0012		MRZ		1782
24959	JAKUTSK	62.02	129.72	106	0012		MRZ		1782
25123	CERSKIJ	68.75	161.28	26	0012		MRZ		1782
25173	MYS SMIDTA	68.92	-179.48	5	0012		MARS		1782
25399	MYS UELEN	66.17	-169.83	6	0012		MRZ		1782
25400	ZYRJANKA	65.73	150.9	48	0012		MRZ		1782
25563	ANADYR'	64.73	177.53	6	0012		MARS		1782
25677	BERINGOVSKAJA	63.05	179.32	82	0012		MRZ		1782
25703	SEJMCHAN	62.93	152.43	207	0012		MRZ		1782
25913	MAGADAN	59.53	150.77	118	0012		MRZ		1782
25954	KORF	60.35	166	4	0012		MRZ		1782
28225	PERM	58.02	56.3	170	0012		MARS		1782
28275	TOBOL'SK	58.15	68.25	50	0012		MRZ		1782
28445	VERHNEE DUBROVO	56.73	60.07	287	0012		MRZ		1782
28661	KURGAN	55.47	65.4	72	0012		MRZ		1782
28698	OMSK	54.9	73.46	94	0012		MRZ?		1782
28722	UFA	54.75	56	104	0012		MARS		1782
29231	KOLPASEVO	58.3	82.9	76	0012		MRZ		1782
29263	ENISEJSK	58.45	92.17	79	0012		MRZ		1782
29282	BOGUCANY	58.42	97.4	130	0012		MARS		1782
29572	EMEL'JANOVO	56.18	92.62	206	0012		MRZ		1782
29612	BARABINSK	55.33	78.37	120	0012		MRZ		1782
29634	NOVOSIBIRSK	55.03	82.9	143	0012		MRZ		1782
29698	NIZNEUDINSK	54.88	99.03	411	0012		MRZ		1782
29862	HAKASSKAJA	53.77	91.32	254	0012		MRZ		1782
30054	VITIM	59.45	112.58	190	0012		MRZ		1782
30230	KIRENSK	57.77	108.07	259	0012		MRZ		1782
30309	BRATSK	56.07	101.83	416	0012		MRZ		1782
30372	CARA	56.92	118.37	711	0012		MRZ		1782
30521	ZIGALOVO	54.8	105.22	415	0012		MRZ		1782
30554	BAGDARIN	54.47	113.58	995	0012		MRZ		1782
30635	UST'-BARGUZIN	53.42	109.02	460	0012		MRZ		1782
30673	MOGOCA	53.73	119.78	625	0012		MRZ		1782
30692	SKOVORODINO	54	123.97	400	0012		MRZ		1782
30715	ANGARSK	52.48	103.85	450	0012		MRZ		1782
30758	CITA	52.08	113.48	671	0012		MRZ		1782
30935	KRASNYJ CIKOJ	50.37	108.75	770	0012		MRZ		1782

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
24343	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24507	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24641	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24688	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24817	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24908	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24944	N	AVK		Y		SECONDARY RADAR	AVK		01/96
24959	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25123	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25173	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
25399	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25400	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN.93	01/96
25563	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
25677	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25703	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25913	N	AVK		Y		SECONDARY RADAR	AVK		01/96
25954	N	AVK		Y		SECONDARY RADAR	AVK		01/96
28225	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	ADDED JAN 96	01/96
28275	N	AVK		Y		SECONDARY RADAR	AVK		01/96
28445	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JAN 96, REPLACES 28440	01/96
28661	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN.93	01/96
28698	Y	AVK?		Y		SECONDARY RADAR	AVK?	ADDED JAN 96	01/96
28722	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
29231	N	AVK		Y		SECONDARY RADAR	AVK		01/96
29263	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN.93	01/96
29282	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
29572	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUN 94, REPLACES 29574	01/96
29612	N	AVK		Y		SECONDARY RADAR	AVK		01/96
29634	N	AVK		Y		SECONDARY RADAR	AVK		01/96
29688	N	AVK		Y		SECONDARY RADAR	AVK		01/96
29862	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JUNE 94.	01/96
30054	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30230	Y	AVK		Y		SECONDARY RADAR	AVK		01/96
30309	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN. 93	01/96
30372	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN. 93	01/96
30521	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN. 93	01/96
30554	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30635	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30673	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30692	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30715	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30758	N	AVK		Y		SECONDARY RADAR	AVK		01/96
30935	N	AVK		Y		SECONDARY RADAR	AVK		01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
30965	BORZJA	50.4	116.52	676	0012		MRZ		1782
31004	ALDAN	58.62	125.37	691	0012		MRZ		1782
31088	OHOTSK	59.37	143.2	6	0012		MRZ		1782
31168	AJAN	56.45	138.15	7	0012		MARS		1782
31300	ZEJA	53.75	127.23	228	0012		MRZ		1782
31329	EKIMCAN	53.08	132.98	543	0012		MRZ		1782
31369	NIKOLAEVSK-NA-AMURE	53.13	140.7	46	0012		MRZ		1782
31510	BLAGOVESCENSK	50.27	127.5	136	0012		MRZ		1782
31736	HABAROVSK	48.53	135.23	72	0012		MRZ		1782
31873	DAL'NERECENSK	45.87	133.73	100	0012		MRZ		1782
31909	TERNEJ	45.03	136.67	68	0012		MRZ		1782
31977	VLADIVOSTOK (SAD-GOROD)	43.12	132.08	87	0012		MRZ		1782
32061	ALEKSANDROVSK-SAHALINSKIJ	50.9	142.17	31	0012		MRZ		1782
32150	JUZNO-SAHALINSKIJ	46.92	142.73	24	0012		MRZ		1782
32165	JUZNO-KURIL'SK	44.02	145.82	49	0012		MARS		1782
32186	URUP	46.2	150.5	76	0012		MRZ		1782
32215	SEVERO-KURIL'SK	50.7	155.38	32	0012		MRZ		1782
32389	KLJUCI	56.32	160.83	28	0012		MRZ		1782
32540	PETROPAVLOVSK-KAMCATSKIJ	53.08	158.55	84	0012		MRZ		1782
32618	NIKOL'SKOE	55.2	165.98	14	0012		MRZ		1782
35121	ORENBURG	51.68	55.1	118	0012		MRZ		1782
Hong Kong									
45004	KING'S PARK	22.32	114.17	66	0012	0618	VRS80N		403
India									
42027	SRINAGAR	34.08	74.83	1587	0012	0618	IM MK3		401
42101	PATIALA	30.33	76.47	251	0012		IM MK3		401
42182	NEW DELHI/ SATDARJUNG	28.58	77.2	216	0012	0618	IM MK3		401
42314	DIBRUGARH/MOHANBARI	27.48	95.02	111	0012	0618	IM MK3		401
42339	JODHPUR	26.3	73.02	224	0012	0618	IM MK3		1680
42361	GWALIOR	26.23	78.25	207	0012	0618	IM MK3		401
42369	LUCKNOW/AMAUSI	26.75	80.88	128	0012	0618	IM MK3		1680
42379	GORAKHPUR	26.75	83.45	87	0012		IM MK3		401
42397	SILIGURI	26.67	88.37	123	0012	0618	IM MK3		401
42410	GAUHATI	26.1	91.58	54	0012	0618	IM MK3		1680
42492	PATNA	25.6	85.1	60	0012	0618	IM MK3		401
42647	AHMADABAD	23.07	72.63	55	0012	0618	IM MK3		401
42667	BHOPAL/BAIRAGARH	23.28	77.25	523	0012	0618	IM MK3		401
42701	M.O. RANCHI	23.43	85.4	606	0012	06	IM MK3		401
42724	AGARTALA	23.88	91.25	16	0012	0618	IM MK3		401
42779	PENDRA ROAD	22.77	81.9	625	0012		IM MK3		401
42809	CALCUTTA/DUM DUM	22.65	88.45	6	0012	0618	IM MK3		1680
42867	NAGPUR SONEGAON	21.1	79.05	310	0012	0618	IM MK3		1680
42875	RAIPUR	19	80	0	0012	18	IM MK3		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
30965	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31004	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31088	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31168	N	METEORIT-1		Y		SECONDARY RADAR	METEORITE-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
31300	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31329	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31369	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31510	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31736	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUNE 94, REPLACES 31735	01/96
31873	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31909	N	AVK		Y		SECONDARY RADAR	AVK		01/96
31977	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUNE 94, REPLACES 31960	01/96
32061	N	AVK		Y		SECONDARY RADAR	AVK		01/96
32150	N	AVK		Y		SECONDARY RADAR	AVK		01/96
32165	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
32186	N	AVK		Y		SECONDARY RADAR	AVK		01/96
32215	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUNE 94, REPLACES 32217	01/96
32389	N	AVK		Y		SECONDARY RADAR	AVK		01/96
32540	Y	AVK		Y		SECONDARY RADAR	AVK		01/96
32618	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35121	Y	AVK		Y		SECONDARY RADAR	AVK		01/96
Hong Kong									
45004	Y	MOD CORA	A	Y	V86	OMEGA	MOD CORA	POSS. REPLACE WITH DIGICORA 93	12/92
India									
42027	N	RSGE				RADAR	BEL(INDIA)		12/92
42101	N	RSGE				RADAR	BEL(INDIA)		12/92
42182	N	WBRT/SAMEER				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42314	N	RSGE				RADAR	EEC(USA)+ECIL		12/92
42339	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42361	N	SAMEER				RADIOTHEODOLITE	SAMEER(INDIA)		12/92
42369	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42379	N	SAMEER				RADIOTHEODOLITE	SAMEER(INDIA)		12/92
42397	N	SAMEER				RADIOTHEODOLITE	SAMEER(INDIA)		12/92
42410	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42492	N	RSGE				RADAR	BEL(INDIA)		12/92
42647	N	RSGE				RADAR	EEC & ECIL	EEC(USA) ECIL(INDIA)	12/92
42667	N	RSGE				RADAR	BEL(INDIA)		12/92
42701	N	RSGE				RADIOTHEODOLITE	METOX & ECIL	METOX(FRANCE) ECIL(INDIA)	12/92
42724	N	SAMEER				RADIOTHEODOLITE	SAMEER (INDIA)		12/92
42779	N	SMPU				RADIOTHEODOLITE	SMPU (INDIA)		12/92
42809	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42867	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
42875	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA	ADDED JAN 96	01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
42971	BHUBANESWAR	20.25	85.83	46	0012	0618	IM MK3		401
43003	BOMBAY/ SANTACRUZ	19.12	72.85	14	0012	0618	IM MK3		1680
43014	AURANGABAD CHIKALTHAN AERODROME	19.85	75.4	579	0012	0618	IM MK3		401
43041	JAGDALPUR	19.08	82.03	553	0012	18	IM MK3		401
43128	HYDERABAD A/P	17.45	78.47	545	0012	0618	IM MK3		401
43150	CWC VISHAKHAPATNAM/WALTAIR	17.7	83.3	66	0012	0618	IM MK3		401
43185	MACHILIPATNAM	16.2	80.15	3	0012	0618	IM MK3		401
43192	GCA/ PANJIM	15.48	73.82	60	0012		IM MK3		401
43279	MADRAS/ MINAMBAKKAM	13	80.18	16	0012	0618	IM MK3		401
43285	MANGALORE/PANAMBUR	12.95	74.83	31	0012	0618	IM MK3		401
43295	BANGALORE	12.97	77.58	921	0012	0618	IM MK3		401
43311	AMINI DIVI	11.1	72.7	4	0012	18	IM MK3		401
43333	PORT BLAIR	11.67	92.72	79	0012	0618	IM MK3		401
43346	KARAIKAL	10.92	79.83	7	0012	0618	IM MK3		401
43353	COCHIN/WILLINGDON	9.95	74.23	2	0012		IM MK3		401
43369	MINICOY	8.3	73	2	0012	0618	IM MK3		401
43371	THIRUVANANTHAPURAM	8.48	76.95	64	0012	0618	IM MK3		401
Iran, Islamic Republic of									
40706	TABRIZ	38.08	46.28	1361	00		VRS80N		403
40745	MASHHAD	36.27	59.63	980	00		VRS80N		403
40754	TEHRAN-MEHRABAD	35.68	51.32	1191	0012		VRS80N		403
40766	KRMANSHAH	34.32	47.12	1322	12		VRS80N		403
40800	ESFAHAN	32.62	51.67	1590	12		VRS80N		403
40809	BIRJAND	32.87	59.2	1491	12		VRS80		403
40841	KERMAN	30.25	56.97	1754	00	12	VRS80		403
40848	SHIRAZ	29.33	52.36	1488	00	12	VRS80		403
40875	BANDAR ABBAS	27.13	56.22	12	0012		VRS80N		403
Iraq									
40650	BAGHDAD	33.23	44.23	34	0012	0618	VRS80N		403
Japan									
47401	WAKKANAI	45.42	141.68	11	0012	0618	MEIR91		1680
47412	SAPPORO	43.05	141.33	19	0012	0618	MEIR91		1680
47420	NEMURO	43.33	145.58	39	0012	0618	MEIR91		1680
47580	MISAWA AB	40.7	141.38	39	0012		MEIR91		1680
47582	AKITA	39.72	140.1	7	0012	0618	MEIR91		1680
47590	SENDAI	38.27	140.9	43	0012	0618	MEIR91		1680
47600	WAJIMA	37.38	136.9	14	0012	0618	MEIR91		1680
47646	TATENO	36.05	140.13	31	0012	0618	MEIR91		1680
47678	HACHIJOJIMA/ OMURE	33.12	139.78	153	0012	0618	MEIR91		1680
47681	HAMAMATSU AB	34.75	137.7	45	0012		MEIR80		1680
47744	YONAGO	35.43	133.35	8	0012	0618	MEIR91		1680
47778	SHIONOMISAKI	33.45	135.77	69	0012	0618	MEIR91		1680
47807	FUKUOKA	33.58	130.38	14	0012	0618	MEIR91		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
42971	N	RSGE				RADAR	SELENIA & ECIL	SELENIA(ITALY) ECIL(INDIA)	12/92
43003	N	WBRT				RADIOTHEODOLITE	SERVO CORP. USA		12/92
43014	N	SMPU				RADIOTHEODOLITE	SMPU (INDIA)	CHIKALTHAN AERODROME	12/92
43041	N	SMPU				RADIOTHEODOLITE	SMPU (INDIA)		12/92
43128	N	RSGE				RADAR	BEL(INDIA)		12/92
43150	N	RSGE				RADAR	SELENIA & ECIL	SELENIA(ITALY) ECIL(INDIA)	12/92
43185	N	RSGE				RADAR	BEL (INDIA)		12/92
43192	N	RSGE				RADAR	SELENIA & ECIL	SELENIA(ITALY) ECIL(INDIA)	12/92
43279	N	RSGE				RADAR	BEL (INDIA)		12/92
43285	N	RSGE				RADAR	SELENIA & ECIL	SELENIA(ITALY) ECIL(INDIA)	12/92
43295	N	RSGE				RADAR	BEL (INDIA)		12/92
43311	N	SAMEER				RADIOTHEODOLITE	SAMEER (INDIA)		12/92
43333	N	SAMEER				RADIOTHEODOLITE	SAMEER (INDIA)		12/92
43346	N	RSGE				RADAR	BEL(INDIA)		12/92
43353	N	RSGE					ECIL		12/92
43369	N	SAMEER				RADIOTHEODOLITE	SAMEER(INDIA)		12/92
43371	N	RSGE				RADAR	BEL(INDIA)		12/92
Iran, Islamic Republic of									
40706	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
40745	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		09/94
40754	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
40766	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		09/94
40800	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		09/94
40809	N	PP11				OPT.THEODOLITE		NO WINDFINDING	09/94
40841	N	PP11				RADAR	PLESSEY WF2		09/94
40848	N	PP11				RADAR	PLESSEY WF2	ADDED TO LIST DEC 1992	09/94
40875	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA	ADDED TO LIST DEC 1992	12/92
Iraq									
40650	N	MICROCORA	A	Y	V82	OMEGA/RAD THEOD	MICROCORA/METOX		
Japan									
47401	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47412	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47420	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47580	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION.	05/96
47582	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47590	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47600	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47646	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47678	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47681	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION	01/96
47744	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47778	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47807	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96

index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
47827	KAGOSHIMA	31.55	130.55	31	0012	0618	MEIR91		1680
47881	TOKUSHIMA AB	34.13	134.62	11	00		MEIR80		1680
47909	NAZE/ FUNCHATOGE	28.38	129.55	295	0012	0618	MEIR91		1680
47918	ISHIGAKIJIMA	24.33	124.17	7	0012	0618	MEIR80		1680
47936	NAHA	26.2	127.68	27	0012	0618	MEIR91		1680
47945	MINAMIDAITOJIMA	25.83	131.23	20	0012	0618	MEIR91		1680
47971	CHICHIJIMA	27.08	142.18	8	0012		MEIR91		1680
47981	IWOJIMA	24.78	141.32	116	00		MEIR80		1680
47991	MINAMITORISHIMA	24.3	153.97	9	0012		MEIR91		1680
Kazakstan									
28952	KUSTANAI	53.22	63.62	171	00		MRZ		1782
35108	URALSK	51.25	51.4	36	00		MRZ		1782
35229	AKTJUBINSK	50.28	57.15	224	00		MRZ		1782
35394	KARAGANDA	49.8	73.13	553	00		MARS		1782
35700	ATYRAY	47.12	51.85	-24	0012		MRZ		1782
35746	ARALSKOE MORE	46.78	61.52	64	00		MRZ		1782
35796	BALHASH	46.9	75	415	00		MRZ		1782
36177	SEMIPALATINSK	50.42	80.3	196	00		MARS		1782
36870	ALMATY	43.37	77	663	00		MRZ		1782
38062	KZYL-ORDA	44.82	65.53	128	00		MRZ		1782
38341	ZHAMBYL	42.85	71.38	652	00		MRZ		1782
Kuwait									
40582	KUWAIT INT. A/P	29.22	47.98	55	0012	0618	VRS80N		403
Kyrgyzstan									
38353	BISHKEK	42.83	74.58	756	0012		MRZ		1782
Maldives									
43599	GAN	-0.68	73.15	2					0
Mongolia									
44212	ULAN-GOM	48.98	92.08	939	12		MARS		1782
44231	MUREN	49.57	100.17	1283	00		MARS		1782
44259	CHOIBALSAN	48.08	114.55	747	12		MARS		1782
44277	ALTAI	46.4	96.25	2181	00		MARS		1782
44288	ARAIHER	46.27	102.78	1813	00		MARS		1782
44292	ULAAN-BAATOR	47.92	106.87	1306	0012		MARS		1782
44373	DALANZADGAD	43.58	104.42	1465	12		MARS		1782
Myanmar									
48042	MANDALAY	21.98	96.1	76	00		VRS80N		403
48097	YANGON	16.77	96.17	15	00		VRS18		403
Oman									
41256	SEEB INT. A/P	23.58	58.28	8	00		VRS80N		403
41316	SALALAH	17.03	54.08	22	0012		VIZ II		400
Pakistan									
41530	PESHAWAR	34.02	71.58	360	00	061218	VRS80		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
47827	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47881	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION	5/1/1 996+
47909	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47918	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION	01/96
47936	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47945	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION	05/96
47971	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
47981	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	DIFFERENT RAD. CORRECTION	01/96
47991	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
Kazakstan									
28952	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35108	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35229	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35394	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
35700	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35746	N	AVK		Y		SECONDARY RADAR	AVK		01/96
35796	N	AVK		Y		SECONDARY RADAR	AVK		01/96
36177	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
36870	N	AVK		Y		SECONDARY RADAR	AVK		01/96
38062	N	AVK		Y		SECONDARY RADAR	AVK		01/96
38341	N	AVK		Y		SECONDARY RADAR	AVK		01/96
Kuwait									
40582	N	DIGICORA		Y	V86	OMEGA/RADAR	CORA/ENTERPRISE		10/92
Kyrgyzstan									
38353	N	AVK		Y		SECONDARY RADAR	AVK		01/96
Maldives									
43599	N								
Mongolia									
44212	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44231	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44259	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44277	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44288	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44292	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
44373	N	METEORIT-2				SECONDARY RADAR	METEORIT-2	VERY FEW OBS	12/92
Myanmar									
48042	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED JAN 93. VERY FEW OBS	01/93
48097	N	RS18		Y		RADIOTHEODOLITE		ADDED JAN 93. VERY FEW OBS	01/93
Oman									
41256	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		02/95
41316	N	W-9000		N		LORAN-C/OMEGA	VIZ-W9000		01/96
Pakistan									
41530	N	PP11/ME12		N		RADIOTHEODOLITE			12/92

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
41594	SARGODHA	32.05	72.67	188	00	061218	VRS80		403
41640	LAHORE CITY	31.55	74.33	215	00	061218	VRS80N		403
41661	QUETTA (SHEIKH MANDA)	30.18	66.95	1621	00	061218	VRS80		403
41675	MULTAN	30.2	71.43	123	00	061218	VRS80		403
41739	PANJGUR	26.96	64.07	968	00	061218	VRS80		403
41780	KARACHI A/P	24.9	67.13	22	00	061218	VRS80		403
Qatar									
41170	DOHA INT A/P	25.25	51.57	10	00		VRS80		403
Republic of Korea									
47122	OSAN AB	37.1	127.03	52	00061218		J/YANG		403
47138	POHANG	36.03	129.38	6	0012		J/YANG		403
47158	KWANGJU AB	35.12	126.82	13	0012		J/YANG		403
47185	CHEJU UPPER/RADAR	33.28	126.17	72	0012		J/YANG		403
Saudi Arabia									
40373	AL QAYSUMAH	28.19	46.08	357	0012		VRS80N		403
40375	TABUK	28.37	36.58	776	0012		VRS80N		403
40394	HAIL	27.43	41.68	1013	0012		VRS80N		403
40416	DHAHRAN	26.27	50.17	17	0012		VRS80N		403
40430	MADINAH	24.55	39.72	636	0012		VRS80N		403
40437	KING KHALED INT. A/P	24.93	46.72	612	0012		VRS80N		403
41024	JEDDAH (KAA INT. A/P)	21.67	39.15	18	0012		VRS80N		403
41114	KHAMIS MUSHAIT	18.3	42.8	2054	0012		VRS80N		403
Tajikistan									
38836	DUSHANBE	38.58	68.73	802	0012		MARS		1782
Thailand									
48327	CHIANG MAI	18.78	98.98	314	0012	0618	VIZ A		403
48407	UBON RATCHATHANI	15.25	104.87	127	0012	0618	VIZ A	AIR	403
48455	BANGKOK	13.73	100.5	20	0012	0618	VIZ A		403
48565	PHUKET A/P	8.07	98.19	10	0012		AIR		1680
48568	SONGKHLA	7.2	100.6	5	0012	0618	VIZ A		403
Turkmenistan									
38392	DASHAUZ	41.83	59.98	87	0012		MRZ		1782
38507	KRASNOVODSK	40.03	52.98	90	0012		MRZ		1782
38687	CARDZOU	39.08	63.6	190	0012		MARS		1782
38750	GASAN-KULI	37.47	53.97	-25	0012		MRZ		1782
38880	ASHGABAT	37.97	58.33	304	0012		MRZ-T		1782
United Arab Emirates									
41217	ABU DHABI INT. A/P	24.43	54.65	27	0012	0618			0
Uzbekistan									
38457	TASHKENT	41.33	69.37	492	0012		MARS		1782
Viet Nam									
48820	HA NOI	21.02	105.8	6	0012		VRS80N		403
48900	HO CHI MINH	10.82	106.67	5	00		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
41594	N	PP11/ME12		N		RADIOTHEODOLITE			12/92
41640	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 92	12/92
41661	N	PP11/ME12		N		RADIOTHEODOLITE			12/92
41675	N	PP11/ME12		N		RADIOTHEODOLITE			12/92
41739	N	PP11/ME12		N		RADIOTHEODOLITE		ADDED TO LIST DEC 92	12/92
41780	N	PP11/ME12		N		RADIOTHEODOLITE			12/92
Qatar									
41170	N								11/92
Republic of Korea									
47122	N	WO-2000A		N		OMEGA	WO-2000A	JINYANG:VIZ TYPE UNDER LICENCE	01/96
47138	N	WO-2000AT		N		OMEGA	WO-2000AT	ditto	01/96
47158	N	WO-2000A		N		OMEGA	WO-2000A	ditto	01/96
47185	N	WO-200AT		N		OMEGA	WO-2000AT	ditto	01/96
Saudi Arabia									
40373	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA	ADDED TO LIST 23/12/92	12/92
40375	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
40394	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
40416	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
40430	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
40437	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
41024	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
41114	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA		12/92
Tajikistan									
38836	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
Thailand									
48327	N	METOX/W-8000	A	N		RAD THEOD/OMEGA	METOX/BEUKERS	VIZ-BEUKERS USED FOR OMEGA	01/96
48407	N	METOX/AIR	A	N		RADIOTHEODOLITE	METOX/AIR	VIZ + AIR SONDES USED	01/96
48455	Y	METOX	A	N		RAD THEOD/OMEGA	METOX		01/96
48565	N	AIR/HP COMP.	A	N		RADIOTHEODOLITE	AIR		01/96
48568	N	METOX	A	N		RAD THEOD/OMEGA	METOX/BEUKERS	VIZ-BEUKERS USED FOR OMEGA	01/96
Turkmenistan									
38392	N	AVK		Y		SECONDARY RADAR	AVK		01/96
38507	N	AVK		Y		SECONDARY RADAR	AVK		01/96
38687	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
38750	N	AVK		Y		SECONDARY RADAR	AVK		01/96
38880	Y	AVK		Y		SECONDARY RADAR	AVK	TITAN - EARLY VERSION OF AVK	01/96
United Arab Emirates									
41217	Y								
Uzbekistan									
38457	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
Viet Nam									
48820	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
48900	N	DIGICORA		Y	V86	OMEGA	DIGICORA		10/94

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
Yemen									
41404	SANA'A	15.52	44.18	2190	12		VRS80		403
41480	ADEN	12.5	45.02	3	00	0612	VRS80N		403
41494	SOCOTRA	12.38	53.54	47	12		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
Yemen									
41404	N	RT/AR						PTU ONLY	12/92
41480	N	MOD-CORA		Y	V86	OMEGA	MOD-CORA	ADDED TO LIST DEC 1992.	12/92
41494	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992.	12/92

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
REGION 3 - SOUTH AMERICA									
Argentina									
87047	SALTA AERO	-24.85	-65.48	1221	12	18	VRS80	VIZ II	403
87155	RESISTENCIA AERO	-27.45	-59.05	52	12	18	VRS80N		403
87344	CORDOBA AERO	-31 32	-64.22	474	12	18	VRS80	VIZ II	403
87418	MENDOZA AERO	-32.83	-68.78	704	12	18	VRS80	VIZ II	403
87576	EZEIZA AERO	-34.83	-58.53	20	0012	18	VRS80N		403
87623	SANTA ROSA AERO	-36.57	-64.27	191	12	18	VRS80N		403
87715	NEUQUEN AERO	-38.95	-68.13	271	12	18	VRS80N		403
87860	COMODORO RIVADAVIA AERO	-45.78	-67.5	46	12	18	VRS80N		403
Bolivia									
85201	LA PAZ/ALTO	-16.52	-68.18	4071	12		VIZ A		0
Brazil									
82193	BELEM (AEROPORTO)	-1.38	-48.48	16	12		VRS80		403
82276	ALCANTARA	-2.32	-44.42	49	12		VRS80N		403
82280	SAO LUIZ	-2.53	-44.3	51	12		VRS80		403
82332	MANAUS (AEROPORTO)	-3.15	-59.98	84	12		VRS80		403
82397	FORTALEZA	-3.77	-38.6	19	12		VRS80		403
82400	FERNANDO DE NORONHA	-3.85	-32.42	57	12		VRS80		403
82599	NATAL (AEROPORTO)	-5.92	-35.25	52	12		VIZ II		403
82678	FLORIANO	-6.77	-43.02	128	12		VRS80		403
82765	CAROLINA	-7.33	-47.47	193	12		VRS80		403
82824	PORTO VELHO (AEROPORTO)	-8.77	-63.92	95	12		VRS80		403
82900	RECIFE	-8.05	-34.92	7	12		VRS80		403
82965	ALTA FLORESTA (AEROPORTO)	-9.87	-56.1	288	12		VRS80		403
82983	PETROLINA	-9.38	-40.48	371	12		VRS80		403
83208	VILHENA (AEROPORTO)	-12.7	-60.1	612	12		VRS80		403
83229	SALVADOR	-13.02	-38.52	51	12		VRS80N		403
83288	BOM JESUS DA LAPA	-13.27	-43.42	440	12		VRS80		403
83362	CUIABA (AEROPORTO)	-15.55	-56.12	151	12		VRS80N		403
83378	BRASILIA (AEROPORTO)	-15.87	-47.93	1061	0012		VRS80		403
83498	CARAVELAS	-17.73	-39.25	3	12		VRS80		403
83583	BELO HORIZONTE (AEROPORTO)	-19.85	-43.95	785	12		VRS80N		403
83612	CAMPO GRANDE (AEROPORTO)	-20.47	-54.67	567	12		VRS80		403
83650	TRINDADE (ILHA)	-20.5	-29.32	5	12		VRS80N		403
83746	GALEAO	-22.82	-43.25	6	0012		VIZ II		403
83780	SAO PAULO (AEROPORTO)	-23.62	-46.65	803	0012		VRS80		403
83827	FOZ DO IGUACU (AEROPORTO)	-25.25	-54.29	247			VIZ II		403
83840	CURITIBA (AEROPORTO)	-25.52	-49.17	908	0012		VIZ II		403
83971	PORTO ALEGRE (AEROPORTO)	-30	-51.18	3	0012		VIZ II		403
Chile									
85442	ANTOFAGASTA	-23.45	-70.43	115	12		VRS80N		403
85469	ISLA DE PASCUA	-27.17	-109.43	48	00		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc. Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
REGION 3 - SOUTH AMERICA									
Argentina									
87047	N	PP11		N		RADIOTHEODOLITE			01/96
87155	Y	MICROCORA	A	Y	V86?	OMEGA	MICROCORA		12/92
87344	N	PP11		N		RADIOTHEODOLITE			01/96
87418	N	PP11		N		RADIOTHEODOLITE			01/96
87576	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
87623	N	MICROCORA	A	Y	V86?	OMEGA	MICROCORA		12/92
87715	N	MICROCORA	A	Y	V86?	OMEGA	MICROCORA		12/92
87860	Y	MICROCORA	A	Y	V86?	OMEGA	MICROCORA		12/92
Bolivia									
85201	N								01/96
Brazil									
82193	Y	AR15/PP11	M			RADIOTHEODOLITE			12/92
82276	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992	12/92
82280	N	METOX/PP11	M			RADIOTHEODOLITE	METOX	ADDED TO LIST DEC 1992	12/92
82332	Y	AR15/PP11	M			RADIOTHEODOLITE			12/92
82397	Y	METOX/PP11	M			RADIOTHEODOLITE	METOX		12/92
82400	N	AR15/PP11	M			RADIOTHEODOLITE			12/92
82599	N	W-9000		N		OMEGA	W-9000		01/96
82678	N	METOX/PP11	M			RADIOTHEODOLITE	METOX	ADDED TO LIST DEC 1992	12/92
82765	N	METOX/PP11	M			RADIOTHEODOLITE	METOX	ADDED TO LIST DEC 1992	12/92
82824	N	AR15/PP11	M			RADIOTHEODOLITE		ADDED TO LIST DEC 1992	12/92
82900	N	METOX/PP11	M			RADIOTHEODOLITE	METOX		12/92
82965	N	AR15/PP11	M			RADIOTHEODOLITE			12/92
82983	N	METOX/PP11	M			RADIOTHEODOLITE	METOX	ADDED TO LIST DEC 1992	12/92
83208	N	AR15/PP11	M			RADIOTHEODOLITE			12/92
83229	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992	12/92
83288	N	METOX/PP11	M			RADIOTHEODOLITE	METOX		12/92
83362	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992	12/92
83378	Y	AR15/PP11	M			RADIOTHEODOLITE			12/92
83498	N	METOX/PP11	M			RADIOTHEODOLITE	METOX	ADDED TO LIST DEC 1992	12/92
83583	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992	12/92
83612	N	AR15/PP11	M			RADIOTHEDOLITE			12/92
83650	N	MICROCORA	A	Y	V86	OMEGA	MICROCORA	ADDED TO LIST DEC 1992	12/92
83746	N	W-9000	A	N		OMEGA	W-9000		01/96
83780	Y	AR15/PP11	M			RADIOTHEODOLITE	METOX		12/92
83827	N	W-9000	A	N		OMEGA	W-9000		01/96
83840	N	W-9000	A	N		OMEGA	W-9000		01/96
83971	N	W-9000	A	N		OMEGA	W-9000		01/96
Chile									
85442	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA	TO VRS80 1/6/87	12/92
85469	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA	TO VRS80 11/12/87	12/92

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
85543	QUINTERO SANTIAGO	-32.83	-71.5	8	0012		VRS80N		403
85799	PUERTO MONTT	-41.42	-73.08	80	12		VRS80N		403
85934	PUNTA ARENAS	-53	-70.83	38	12		VRS80N		403
Colombia									
80035	RIOHACHA/ALMIRANTE PADILLA	11.53	-72.09	4	12		VRS80N		403
80222	BOGOTA/ELDORADO	4.7	-74.13	2548	0012		AIR	VIZ	1680
80241	LAS GAVIOTAS	4.55	-70.92	167	12		VRS80N		403
80398	LETICIA/VASQUEZ COBO	-4.17	-69.9	84	12		VRS80N		403
Ecuador									
84008	SAN CRISTOBAL (Galapagos Is.)	-0.45	-90.27	16	12		VRS80N		403
France									
81405	CAYENNE/ROCHAMBEAU (French Guiana)	4.83	-52.37	9	12	00	VRS80		403
Paraguay									
86218	ASUNCION/AEROPUERTO	-25.27	-57.63	101	12		VIZ		1680
Peru									
84628	LIMA-CALLAO/AEROP. INT. JORGE CHAVEZ	-12	-77.12	13	00	18	VIZ A		0
United Kingdom of Great Britain and Northern Ireland									
88889	MOUNT PLEASANT A/P (Falkland Islands)	-51.82	-58.45	73	00061218		VRS80N		403
Venezuela									
80413	MARACAY-B.A. SUCRE	10.25	-67.65	437	0012		VRS80N		1680
80447	SAN ANTONIO DEL TACHIRA	7.85	-72.45	377	12		VIZ A		1680
80462	SANTA ELENA DE UAIREN	4.6	-61.12	907	12		VIZ A		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc. Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
85543	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA	TO VRS80 30/3/88	12/92
85799	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA	TO VRS80 23/5/86	12/92
85934	Y	MICROCORA	A	Y	V86	OMEGA	MICROCORA	TO VRS80 18/11/85	12/92
Colombia									
80035	N	MARWIN II	A	Y	V86	OMEGA	MARWIN II	ADDED TO LIST DEC 92	12/92
80222	Y	AIR	A	N		RADIOTHEODOLITE	AIR		05/94
80241	N	MARWIN II	A	Y	V86	OMEGA	MARWIN II		12/92
80398	N	PP11		N		RADIOTHEODOLITE			01/96
Ecuador									
84008	Y	DIGICORA	A	Y	V86	OMEGA	NAVAID	ALSO RADIOTHEODOLITE EQUIP.	09/94
France									
81405	Y	PP11/STAR		Y	V86	RADIOTHEODOLITE	MES.		12/92
Paraguay									
86218	N	GMD		N		RADIOTHEODALITE	GMD		01/96
Peru									
84628	Y	GMD				RADIOTHEODOLITE	GMD		01/96
United Kingdom of Great Britain and Northern Ireland									
88889	Y	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/96
Venezuela									
80413	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
80447	N	RDG5		N		RADAR	RDG5		01/96
80462	N	RDG5		N		RADAR	RDG5		01/96

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
REGION 4 - NORTH AND CENTRAL AMERICA									
Antigua and Barbuda									
78861	COOLIDGE FIELD, ANTIGUA, (AUX, AFB)	17.12	-61.78	10	12	18	VIZ B		1680
Bahamas									
78073	NASSAU A/P	25.05	-77.47	2	12		VIZ B		1680
Barbados									
78954	GRANTLEY ADAMS	13.07	-59.48	57	0012		VIZ B		1680
Belize									
78583	BELIZE/PHILIP GOLDSTON INT. A/P	17.53	-88.3	5	0012		VIZ B		1680
British Carribean Territory									
78384	OWEN ROBERTS A/P, GRAND CAYMAN (Cayman Is.)	19.32	-81.35	2	0012		VIZ B		1680
Canada									
71043	NORMAN WELLS UA, N.W.T.	65.28	-126 8	95	0012		VRS80		403
71072	MOULD BAY, N.W.T.	76.23	-119.33	12	0012		VRS80		403
71081	HALL BEACH, N.W.T.	68.78	-81.25	8	0012		VRS80		403
71082	ALERT, N.W.T.	82.5	-62.33	66	0012		VRS80		403
71109	PORT HARDY, B.C.	50.68	-127.37	22	0012		VRS80N		403
71119	EDMONTON STONY PLAIN ALTA	53.55	-114.1	766	0012		VRS80	VIZ II	403
71600	SABLE IS., N.S.	43.93	-60.02	4	0012		VRS80		403
71603	YARMOUTH, N.S.	43.87	-66.1	9	0012		VIZ II		403
71722	MANIWAKI,QUEBEC	44	-60	0	0012		VRS80		403
71801	ST.JOHN'S UA, NFLD	47.62	-52.75	140	0012		VIZ II		403
71811	SEPT-ILES UA, QUE.	50.22	-66.27	53	0012		VRS80		403
71816	GOOSE UA, NFLD.	53.32	-60.42	38	0012		VRS80		403
71823	LA GRANDE IV, QUE.	53.7	-73.67	307	0012		VRS80		403
71836	MOOSONEE, ONT.	51.27	-80.65	10	0012		VIZ II		403
71845	PICKLE LAKE, ONT.	51.28	-90.12	390	0012		VIZ II		403
71866	SASKATOON, SASK.	52.17	-106.7	0	0012		VIZ II		403
71867	THE PAS, MAN.	53.97	-101.1	271	0012		VIZ II		403
71896	PRINCE GEORGE, B.C.	53.88	-122.67	691	0012		VRS80N		403
71906	KUUJJUAQUA UA, QUE.	58.1	-68.42	36	0012		VRS80		403
71907	INUKJUAK, QUE.	58.45	-78.12	6	0012		VRS80		403
71909	IQALUIT UA, N.W.T.	63.75	-68.55	0	0012		VIZB		403
71913	CHURCHILL, MAN.	58.75	-94.07	29	0012		VRS80		403
71915	CORAL HARBOUR, N.W.T.	64.2	-83.37	64	0012		VRS80		403
71917	EUREKA, N.W.T.	80	-85.93	10	0012		VRS80		403
71924	RESOLUTE, N.W.T.	74.72	-94.38	67	0012		VRS80		403
71925	CAMBRIDGE BAY, N.W.T.	69.1	-105.12	27	0012		VRS80		403
71926	BAKER LAKE UA, N.W.T.	64.3	-96	49	0012		VRS80		403
71934	FORT SMITH UA, N.W.T.	60.02	-111.97	204	0012		VRS80		403
71945	FORT NELSON UA, B.C.	58.83	-122.58	378	0012		VRS80N		403
71957	INUVIK UA, N.W.T.	68.3	-133.48	103	0012		VIZ II		403
71964	WHITEHORSE, Y.T.	60.72	-135.07	703	0012		VRS80		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
REGION 4 - NORTH AND CENTRAL AMERICA									
Antigua and Barbuda									
78861	N	GMD4		N		RADIOTHEODOLITE	GMD4		01/96
Bahamas									
78073	N	GMD-1		N		RADIOTHEODOLITE	GMD-1		01/96
Barbados									
78954	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
Belize									
78583	Y	ART-1		N		RADIOTHEODOLITE	GMD_1		01/96
British Carribean Territory									
78384	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
Canada									
71043	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71072	Y	MARWIN		Y	V93	OMEGA?	VIZ MARK 2	NEW VIZ MARK 2 SONDE	01/96
71081	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71082	Y	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71109	N	MARWIN		Y	V93	OMEGA	DIGICORA		01/96
71119	N	DIGICORA/W9000		Y	V93	LORAN/OMEGA	Vaisala/Viz		01/96
71600	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71603	N	W-9000		N		LORAN	W-9000	VIZ MARK 2 SONDE	01/96
71722	N	MARWIN		Y	V93	?	?	ADDED JAN 96	01/96
71801	N	W-9000		N		LORAN	W-9000	VIZ MARK 2 SONDE	01/96
71811	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71816	Y	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71823	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71836	Y	W-9000		N		LORAN	W-9000	VIZ MARK 2 SONDE	01/96
71845	N	W-9000		N		LORAN	W-9000	VIZ MARK 2 SONDE	01/96
71866	N	W-9000		N		LORAN	W-9000	VIZ MARK 2 SONDE	01/96
71867	N	W-9000		N		OMEGA	W-9000	VIZ MARK 2 SONDE	01/96
71896	N	DIGICORA		Y	V93	OMEGA	DIGICORA		01/96
71906	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71907	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71909	N	VIZ MARK 2		N		OMEGA	VIZ MARK 2	VIZ MARK 2 SONDE	01/96
71913	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71915	N	MARWIN		Y	V93	OMEGA	VIZ MARK 2	VIZ MARK 2 SONDE	01/96
71917	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71924	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71925	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71926	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71934	Y	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96
71945	N	DIGICORA		Y	V93	OMEGA	DIGICORA		01/96
71957	N	W-9000		N		OMEGA	W-9000	VIZ MARK 2 SONDE	01/96
71964	N	MARWIN		Y	V93	OMEGA?	Vaisala SPO		01/96

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
Colombia									
80001	SAN ANDRES (ISLA)/ SESQUICENTENARIO	12.58	-81.72	1	12		VIZ II		403
Costa Rica									
78762	JUAN SANTAMARIA	10	-84.22	939	12		VIZ B		1680
Cuba									
78355	CAMAGUEY,CAMEGUEY.	21.4	-77.92	122	0012		MARS		1782
Dominican Republic									
78486	SANTO DOMINGO	18.47	-69.88	14	0012		VIZ II		403
France									
78897	LE RAIZET (Guadeloupe)	16.27	-61.53	11	12	00	VRS80		403
Jamaica									
78397	KINGSTON /NORMAN MANLEY	17.93	-76.78	3	0012		VIZ II		403
Mexico									
76151	ISLA GUADALUPE, BC.	29.17	-118.32	23	0012		VIZ		1680
76225	UNIV.DE CHIHUAHUA, CHIH.	28.63	-106.07	1435	0012		VIZ A		1680
76256	EMPALME, SON.	27.95	-110.8	11	0012		VIZ		1680
76394	AEROP INT.MONTERREY, NL	25.87	-100.23	448	0012		VIZ A		1680
76458	COLONIA JUAN CARASCO MAZATLAN,VER.	23.18	-105.42	4	0012		VIZ A		1680
76612	GUADALAJARA, JAL.	20.6	-103.3	1551	12		VIZ A		1680
76644	AEROP. INT. MERIDA, YUC.	20.95	-89.67	9	0012		VIZ A		1680
76654	MANZANILLO,COL.	19.1	-104.1	3	12		VIZ		1680
76679	AEROP.INT.MEXICO,D.F	19.43	-99.07	2234	0012		VIZ		1680
76692	HACIENDA YLANG, YLANG, VERACRUZ, VER.	19.15	-96.12	13	0012		VIZ		1680
76723	ISLA SOCORRO,COL.	18.72	-110.95	1560	12		VIZ		1680
Netherlands Antilles									
78866	JULIANA A/P (St. Maarten)	18.05	-63.12	9	12		VIZ II		403
78988	HATO A/P (Curaçao)	12.2	-68.97	62	00		VIZ II		403
Panama									
78806	HOWARD AFB	8.92	-79.6	16	0012		VIZ B		1680
Trinidad and Tobago									
78970	PIARCO INT.A/P.	10.62	-61.35	12	0012		VIZ II		1680
United States of America									
72201	KEY WEST/INT., FL.	24.55	-81.75	2	0012		VIZ B		1680
72202	MIAMI, FL.	25.75	-80.38	5	0012		VIZ B		1680
72206	JACKSONVILLE INTNL.,FL.	30.48	-81.7	9	0012		VIZ B		1680
72208	CHARLESTON/MUN.,SC.	32.9	-80.03	15	0012		VIZ B		1680
72210	TAMPA BAY AREA,FL.	27.7	-82.38	13	0012		VIZ B		1680
72214	TALLAHASSEE/MUN., FL	30.38	-84.35	18	0012		VIZ B		1680
72215	PEACHTREE CITY, GA	33.37	-84.57	244	0012		VIZ B		1680
72221	VALPARAISO/EGLIN AFB, FL	30.48	-86.52	29	12		VRS80L		1680
72225	FORT BENNING, GA (ARMY)	32.33	-84.83	130	1218		VIZ		1680
72230	SHELBY COUNTRY A/P, AL.	33.17	-86.77	174	0012		VIZ B		1680
72233	SLIDELMUN., LA.	30.33	-89.82	10	0012		VIZ B		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
Colombia									
80001	N	W-9000		N		OMEGA	W-9000		01/96
Costa Rica									
78762	Y	GMD-1		N		RADIOTHEODOLITE	GMD-1		01/96
Cuba									
78355	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		
Dominican Republic									
78486	N	W-9000		N		OMEGA	W-9000		01/96
France									
78897	N	PP11/STAR		Y	V86	RADIOTHEODOLITE	MES.		01/96
Jamaica									
78397	Y	W-9000		N		OMEGA	W-9000		01/96
Mexico									
76151	N			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
76225	N	GMD-1		N		RADIOTHEODOLITE	GMD 1		01/96
76256	N			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
76394	N	GMD-1		N		RADIOTHEODOLITE	GMD 1		01/96
76458	N	GMD-1		N		RADIOTHEODOLITE	GMD 1		01/96
76612	N	GMD-1		N		RADIOTHEODOLITE	GMD 1		01/96
76644	N	GMD-1		N		RADIOTHEODOLITE	GMD 1		01/96
76654	Y			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
76679	N			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
76692	N			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
76723	N			N		RADIOTHEODOLITE	GMD 1	VIZ 1392	
Netherlands Antilles									
78866	N	W-9000		N		OMEGA	W-9000		01/96
78988	N	W-9000		N		OMEGA	W-9000		01/96
Panama									
78806	N	GMD-1				RADIOTHEODOLITE	GMD-1	ADDED JAN 96	01/96
Trinidad and Tobago									
78970	N	W-9000		N		OMEGA	W-9000		01/96
United States of America									
72201	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72202	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72203	01/96
72206	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72213	01/96
72208	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72210	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72214	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72215	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72311	01/96
72221	N	DIGICORA		Y	V86	LORAN	NAVAID		12/92
72225	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
72230	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72229?	01/96
72233	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96

Index		POSITION			PROGRAM		RADIOSONDE		
No.	Name	Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
72235	JACKSON/ALLEN C.THOMAS FIELD, MS.	32.32	-90.08	91	0012		VIZ B		1680
72240	LAKE CHARLES/MUN.,LA	30.12	-93.22	5	0012		VIZ B		1680
72248	SHREVEPORT, LA	32.45	-93.83	85	0012		VIZ B		1680
72249	FORT WORTH, TX.	32.13	-97.05	196	0012		VIZ B	VIZ X	1680
72250	BROWNSVILLE/INT.,TX	25.9	-97.43	7	0012		VIZ B		1680
72251	CORPUS CHRISTI INT., TX	27.77	-86.05	12	0012		VIZ B		1680
72257	FORT HOOD,TX. (ARMY)	31.1	-97.33	270	12		VIZ		1680
72261	DEL RIO/INT., TX.	29.37	-100.92	313	0012		VIZ B		1680
72265	MIDLAND REG. AIR TERM, TX	31.95	-102.18	873	0012		VRS80		1680
72269	WHITE SANDS, NM.	32.38	-106.48	1244	061218		VRS80N		1680
72274	TUCSON/INT.,AZ.	32.12	-110.93	787	0012		VRS80		1680
72291	SAN NICOLAS IS./NF, CA	33.25	-119.45	174	18		VRS80N		1680
72293	SAN DIEGO/MIRAMAR, NAS., CA	32.85	-117.12	134	0012		VIZ B		1680
72305	NEWPORT, NC	34.78	-76.88	11	0012		VIZ B		1680
72317	GREENSBORO/G.HIGH PT, NC	36.08	-79.95	270	0012		VIZ B		1680
72318	BLACKSBURG. ,VA.	37.2	-80.42	654	0012		VIZ B		1680
72327	NASHVILLE/OLD HICKORY, TN	36.25	-86.57	180	0012		VIZ B		1680
72340	NORTH LITTLE ROCK MUNICIPAL A/P, AR.	34.83	-92.27	165	0012		VIZ B	VIZ X	1680
72357	NORMAN/MAX WESTHEIMER A, OK.	35.12	-97.5	357	0012		VIZ B		1680
72363	AMARILLO/INT.,TX.	35.23	-101.7	1094	1218		VRS80		1680
72364	SANTA TERESA,TX.	31.87	-106.7	1257	0012		VRS80		1680
72365	ALBUQUERQUE/INT.,NM.	35.05	-106.62	1615	1218	18	VIZ B	VIZ X	1680
72376	FLAGSTAFF, AZ.	35.22	-111.82	2192	0012		VIZ B		1680
72387	MERCURY/DESERT ROCK, NV	36.6	-116	1007	0012		VIZ B		1680
72393	VANDENBERG AFB,CA.	34.75	-120.57	121	0012		MSS		1680
72402	WALLOPS IS., VA.	37.85	-75.48	13	0012		VIZ		403
72403	STERLING ,VA.	38.98	-77.47	85	0012		VRS80		1680
72426	WILMINGTON, OH.	39.42	-83.75	317	0012		VIZ B		1680
72429	SULPHUR GROVE, OH.	39.87	-84.12	0	0012		VIZ		1680
72440	SPRINGFIELD, MUN., MO.	37.23	-93.4	390	0012		VIZ B		1680
72451	DODGE CITY/MUN.,KS.	37.77	-99.97	790	0012		VIZ B		1680
72455	FORT RILEY, KS. (ARMY)	39.1	-96.77	320	1218		VIZ		1680
72456	TOPEKA/MUN.,KS.	39.07	-95.63	270	0012		VIZ B		1680
72469	DENVER/STAPLETON INT.	39.75	-104.87	1611	0012		VRS80		1680
72476	GRAND JUNCTION/ WALKER FIELD, CO	39.12	-108.53	1475	0012		VIZ B	VIZ X	1680
72489	RENO, NV.	39.57	-119.8	1516	0012		VIZ B		1680
72493	OAKLAND/METROP., OAKLAND INT., CA.	37.73	-122.2	6	0012		VIZ B		1680
72501	UPTON, NY.	40.87	-72.87	20	0012		VIZ B		1680
72518	ALBANY CO.,NY.	42.75	-73.8	86	0012		VIZ B		1680
72520	PITTSBURGH/MOON TOWNSHIP, PA	40.53	-80.23	360	0012		VIZ B	VIZ X	1680
72528	BUFFALO/GREATER, BUFFALO INT., NY	42.93	-78.73	218	0012		VIZ B		1680
72558	VALLEY, NE.	41.37	-96.02	350	0012		VIZ B		1680
72562	N.PLATTE/LEE BIRD,NE	41.13	-100.68	847	0012		VIZ B		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
72235	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72240	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72248	N	ART-1		N		RADIOTHEODOLITE	GMD-1	REPLACES 72247	01/96
72249	N	ART-2R		N		RADIOTHEO/XPOND	WBRT	REPLACES 72260	01/96
72250	Y	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72251	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72257	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
72261	Y	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72265	N	ART-1		Y		RADIOTHEODOLITE	GMD-1	CHANGE TO VAISALA	01/96
72269	N			Y	V86	OMEGA	NAVAID		12/92
72274	N	ART-1		Y		RADIOTHEODOLITE	GMD-1	CHANGE TO VAISALA R/S	01/96
72291	N	MARWIN		Y	V86	OMEGA	NAVAID		12/92
72293	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72305	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72304?	01/96
72317	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72318	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96	01/96
72327	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72340	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72357	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72363	N	ART-1		Y		RADIOTHEODOLITE	GMD-1	CHANGE TO VAISALA R/S	01/96
72364	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
72365	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72376	N	ART-2		N		RADIOTHEODOLITE	WBRT	POSS. REPLACES 72374	01/96
72387	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72393	N	MSS		N		RADIOTHEODOLITE	MSS		12/92
72402	N	BEUKERS		N		LORAN	BEUKERS		01/96
72403	Y	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
72426	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96.	01/96
72429	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
72440	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96., REPLACES 72349	01/96
72451	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72455	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
72456	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72469	N	ART-2		Y		RADIOTHEODOLITE	WBRT		01/96
72476	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72489	N	ART-2		N		RADIOTHEODOLITE	WBRT	(REPLACES 72486?)	01/96
72493	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72501	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96, REPLACES 72407	01/96
72518	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72520	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72528	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72558	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72553	01/96
72562	N	ART-2		N		RADIOTHEODOLITE	WBRT	(REPLACED 72562?)	01/96

Index		POSITION			PROGRAM		RADIOSONDE		
No	Name	Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
72572	SA..T LAKE CITY/INT., UT	40.77	-111.97	1288	0012		VIZ B	VIZ X	1680
72582	ELKO, NV.	40.87	-115.73	1607	0012		VIZ B	VIZ X	1680
72597	MEDFORD JACKSON COUNTY, OR	42.37	-122.87	405	0012		VIZ B		1680
72632	WHITE LAKE, MI.	42.7	-83.47	329	0012		VIZ B		1680
72645	GREEN BAY/A.STRAUBEL, WI	44.58	-88.13	214	0012		VIZ B		1680
72649	CHANHAUSSEN, MN.	44.85	-93.57	287	0012		VIZ B		1680
72659	ABERDEEN/REG., SD	45.45	-98.42	397	0012		VIZ B		1680
72662	RAPID CITY/REG ,SD.	44.05	-103.07	1027	0012		VIZ B		1680
72681	BOISE/MUN.,ID.	43.57	-116.22	871	0012		VRS80		1680
72694	SALEM/MCNARY,OR.	44.92	-123.02	61	0012		VIZ B		1680
72712	CARIBOU/MUN.,ME.	46.87	-68.02	191	0012		VIZ B	VIZ X	1680
72734	SAULT STE.MARIE,MI.	46.47	-84.37	221	0012		VIZ B	VIZ X	1680
72747	FALLS INT. MN.	48.57	-93.38	361	0012		VRS80		1680
72764	BISMARCK/MUN.,ND.	46.77	-100.75	505	0012		VIZ B	VIZ X	1680
72768	GLASGOW/INT.,MT.	48.22	-106.62	700	0012		VIZ B		1680
72776	GREAT FALLS, MT	47.48	-111.37	1132	0012		VIZ B		1680
72786	SPOKANE, WA.	47.63	-117.53	726	0012		VIZ B	VIZ X	1680
72797	QUILLAYUTE,WA.	47.95	-124.55	56	0012		VIZ B		1680
74230	MILES CITY, MT.	46.43	-105.87	801	IRREG		VIZ		1680
74389	GRAY, ME	43.9	-70.25	125	0012		VRS80		1680
74455	DAVENPORT, IA.	41.62	-90.58	229	0012		VIZ B	VIZ X	1680
74494	CHATHAM, MA.	41.67	-69.97	16	0012		VIZ B	VIZ X	1680
74500	SHERIDAN, CA.	39	-121.33	60	IRREG		VIZ		1680
74501	FRESHPOND, CA.	38.75	-120.52	1147	IRREG		VIZ		1680
74504	PILAR POINT AFS, CA.	37.5	-122.5	49	IRREG		MSS		1680
74560	LINCOLN, IL.	40.15	-80.33	178	0012		VIZ B		1680
74606	S.VANDENBERG AFB CA.	34.65	-120.57	112	IRREG		MSS		1680
74611	BICYCLE LAKE AAF,CA.	35.28	-116.37	716	IRREG		VIZ		1680
74612	CHINA LAKE,NAF,CA.	35.68	-117.68	696	IRREG	12	MSS		1680
74630	STALLION AAF,NM.	33.82	-106.67	1506	IRREG		VIZ		1680
74631	WH'TE SANDS SITE NO. 32, NM.	33.17	-106.48	1235	IRREG		VRS80N		1680
74702	LEMOORE, CA. (NAS)	36.33	-119.95	73	IRREG		VIZ		1680
74718	SALTON SEA, CA. (AFS)	33.22	-115.87	-69	0012		VIZ		1680
74731	TUCUMCARI, NM.	32.22	-101.52	784	IRREG		VIZ		1680
74733	NORTHRUP LANDING STRIP, NM	33.9	-106.4	1193	IRREG		VRS80N		1680
74734	WHITE SANDS SITE NO. 39	32.63	-106.4	1204	IRREG		VRS80N		1680
74794	CAPE KENNEDY, FL.	28.3	-80.5	0	0012	0618	MSS	VIZ	1680
78526	SAN JUAN/INT., PUERTO RICO	18.43	-66	3	0012		VIZ B		1680
United States of America (Alaska)									
70026	BARROW/W. POST W.ROGERS	71.3	-156.78	12	0012		VIZ B		1680
70086	BARTER IS.	70.13	-143.63	15	0012		VIZ		1680
70133	KOTZEBUE, RALPH WIEN	66.87	-162.63	5	0012		VRS80		1680
70200	NOME	64.5	-165.43	5	0012		VRS80		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
72572	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72582	N	ART-2R		N		RADIOTHEO/XPOND	WBRT	REPLACES 72486	01/96
72597	Y	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72632	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96.	01/96
72645	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72649	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 96., REPLACES 72655	01/96
72659	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 1996 REPLACES 72654	01/96
72662	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72681	N	ART-2		Y		RADIOTHEODOLITE	WBRT		01/96
72694	Y	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
72713	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72734	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72747	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA	01/96
72764	Y	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
72768	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
72776	N	ART-2		N		RADIOTHEODOLITE	WBRT	REPLACES 72775	01/96
72788	N	ART-1R		N		RADIOTHEO/XPOND	GMD-1		01/96
72797	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
74230	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74389	N	ART-2		Y		RADIOTHEODOLITE	WBRT	ADDED 96. NEW VAISALA	01/96
74455	N	ART-2R		N		RADIOTHEO/XPOND	WBRT	ADDED 96., REPLACES 72532	01/96
74494	N	ART-2R		N		RADIOTHEO/XPOND	WBRT		01/96
74500	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74501	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74504	N	MSS		N		RADIOTHEODOLITE	MSS		12/92
74560	N	ART-2		N		RADIOTHEODOLITE	WBRT	ADDED 1996, REPLACES 72435	01/96
74606	N	MSS		N		RADIOTHEODOLITE	MSS		12/92
74611	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74612	N	MSS		N		RADIOTHEODOLITE	MSS		12/92
74630	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74651	N	DIGICORA		Y	V86	OMEGA	NAVAID		12/92
74702	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74715	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
74731	N			N		RADIOTHEODOLITE	SERVO CORP		12/92
74733	N	DIGICORA		Y	V86	OMEGA	NAVAID		12/92
74794	N	DIGICORA		Y	V86	OMEGA	NAVAID		12/92
74784	N	GMD-5		N		RADIOTHEO/XPOND	GMD-5		01/96
78526	Y	ART-2				RADIOTHEODOLITE	WBRT		01/96
United States of America (Alaska)									
70026	Y	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
70086	N			N		RADIOTHEODOLITE	SERVO CORP	J008 SOLID	12/92
70133	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70200	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96

Index		POSITION			PROGRAM		RADIOSONDE		
No.	Name	Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
70219	BETHEL A/P	60.78	-161.8	36	0012		VRS80		1680
70231	MCGRATH	62.97	-155.62	103	0012		VRS80		1680
70261	FAIRBANKS/INT.	64.82	-147.87	135	0012		VRS80		1680
70273	ANCHORAGE/ INT.	61.17	-150.02	50	0012		VIZ B		1680
70308	ST. PAUL	57.15	-170.22	10	0012		VIZ B		1680
70316	COLD BAY	55.2	-162.72	30	0012		VRS80		1680
70326	KING SALMON	58.68	-156.65	15	0012		VRS80		1680
70350	KODIAK	57.75	-152.52	4	0012		VRS80		1680
70361	YAKUTAT	59.52	-139.67	12	0012		VRS80		1680
70398	ANNETTE IS.	55.03	-131.57	37	0012		VIZ B		1680
70414	SHEMYA AFB	52.72	174.1	31	0012		MSS	VIZ	1680
70454	ADAK/ NAVY	51.88	-176.65	4	0012		VRS80N		403
Stations operated by United States of America									
78016	BERMUDA NAVAL AIR STATION KINDLEY (Bermuda)	32.37	-64.68	6	0012		VIZ		0
78367	GUANTANAMO,ORIENTE (Cuba)	19.9	-75.15	23	0012	0618			0

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
70219	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70231	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70261	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70273	N	ART-2		N		RADIOTHEODOLITE	WBRT		01/96
70308	Y	ART-2		N		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70316	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70326	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70350	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70361	N	ART-2		Y		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70398	Y	ART-2		N		RADIOTHEODOLITE	WBRT	CHANGE TO VAISALA R/S	01/96
70414	N	GMD5		N		RADIOTHEO/XPOND	GMD5		01/96
70454	N	MARWIN		Y	V93	OMEGA	Vaisala SPO		12/92
Stations operated by United States of America									
78016	Y					RADIOTHEODOLITE	GMD		
78362	N								

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
REGION 5 - SOUTH-WEST PACIFIC									
Australia									
94120	DARWIN A/P	-12.4	130.87	30	00	061218	VRS80		403
94150	GOVE A/P	-12.27	136.82	54	00	061218	VRS80		403
94203	BROOME A/P	-17.95	122.22	9	00	061218	VRS80		403
94294	TOWNSVILLE AMO	-19.25	146.75	6	00	061218	VRS80		403
94299	WILLIS IS.	-16.3	149.98	9	00	061218	VRS80		403
94300	CANARVON A/P	-24.88	113.67	7	00	061218	VRS80		403
94302	LEARMONTH	-22.24	114.09	5	00	061218	VRS80		403
94312	PORT HEDLAND PARDOO	-20.37	118.62	6	00	061218	VRS80		403
94326	ALICE SPRINGS AERO	-23.8	133.9	544	00	061218	VRS80		403
94332	MT ISA A/P	-20.65	139.48	342	00	061218	VRS80		403
94374	ROCKHAMPTPM A/P	-23.85	151.27	76	00	061218	VRS80		403
94403	GERALDTON A/P	-28.8	114.71	34	00	061218	VRS80		403
94430	MEEKATHARRA A/P	-27	110	0	00	0618	VRS80		403
94461	GILES	-25.03	128.3	599	00	061218	VRS80		403
94510	CHARLEVILLE A/P	-26.42	146.27	304	00	061218	VRS80		403
94578	BRISBANE A/P MO	-27.43	153.08	6	00	061218	VRS80		403
94610	BELMONT (PERTH A/P)	-31.93	115.95	12	00	061218	VRS80		403
94637	KALGOORLIE BOULDER AMO	-30.77	121.45	360	00	061218	VRS80		403
94638	ESPERANCE	-33.82	121.88	26	00	061218	VRS80		403
94659	WOOMERA AERODROME	-31.15	136.8	167	00	061218	VRS80		403
94672	ADELAIDE A/P	-34.93	138.52	4	00	061218	VRS80		403
94711	COBAR	-31.48	145.82	265	00	061218	VRS80		403
94750	NOWRA RAN AIR STATION	-34.95	150.53	110	00	0618	VRS80N		403
94767	SYDNEY A/P	-33.95	151.18	3	0618	0012	VRS80		403
94776	WILLIAMTOWN AERO	-32.78	151.82	11	00	061218	VRS80		403
94802	ALBANY A/P	-34.95	117.8	69	00	061218	VRS80		403
94821	MT GAMBIER A/P (MO)	-37.73	140.78	69	00	061218	VRS80		403
94865	LAVERTON AERODROME	-37.85	144.73	14	0012	0618	VRS80		403
94910	WAGGA A/P	-35.15	147.45	213	00	061218	VRS80		403
94975	HOBART A/P	-42.83	147.5	3	00	061218	VRS80		403
94995	LORD HOWE IS.	-31.52	159.08	46	00	061218	VRS80		403
94996	NORFOLK IS. A/P	-29.03	167.93	109	00	061218	VRS80		403
94998	MACQUARIE IS.	-54.48	158.93	6	0012		VRS80N		403
95527	MOREE MO	-29.47	149.85	212	00	061218	VRS80		403
96996	COCOS IS. A/P (Cocos Islands)	-12.18	96.82	3	0012		VRS80N		403
Brunei Darussalam									
96315	BRUNEI A/P	4.93	114.93	43	0012	0618	VRS80		403
Cook Islands									
91843	RAROTONGA	-21.2	-159.82	7		0012			0
Fiji									
91680	NANDI	-17.75	177.45	18	00	12	VRS80		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
REGION 5 - SOUTH-WEST PACIFIC									
Australia									
94120	Y	PC-CORA	A	Y	V86	RADAR			12/92
94150	N	PC-CORA	A	Y	V86	RADAR			12/92
94203	Y	PC-CORA	A	Y	V86	RADAR			12/92
94294	Y	PC-CORA	A	Y	V86	RADAR			12/92
94299	N	PC-CORA	A	Y	V86	RADAR			12/92
94300	N	PC-CORA	A	Y	V86	RADAR			12/92
94302	Y	PC-CORA	A	Y	V86	RADAR			12/92
94312	N	PC-CORA	A	Y	V86	RADAR			12/92
94326	N	PC-CORA	A	Y	V86	RADAR			12/92
94332	N	PC-CORA	A	Y	V86	RADAR			12/92
94374	N	PC-CORA	A	Y	V86	RADAR			12/92
94403	N	PC-CORA	A	Y	V86	RADAR			12/92
94430	N	PC-CORA	A	Y	V86	RADAR		ADDED JAN 96	01/96
94461	Y	PC-CORA	A	Y	V86	RADAR			12/92
94510	Y	PC-CORA	A	Y	V86	RADAR			12/92
94578	N	PC-CORA	A	Y	V86	RADAR			12/92
94610	Y	PC-CORA	A	Y	V86	RADAR			12/92
94637	N	PC-CORA	A	Y	V86	OPT.THEOD ONLY			12/92
94638	N	PC-CORA	A	Y	V86	RADAR			12/92
94659	Y	PC-CORA	A	Y	V86	RADAR			12/92
94672	N	PC-CORA	A	Y	V86	RADAR			12/92
94711	N	PC-CORA	A	Y	V86	RADAR			12/92
94750	N	MARWIN	A	Y	V86	OMEGA	MARWIN		12/92
94767	N	PC-CORA	A	Y	V86	RADAR			12/92
94776	N	PC-CORA	A	Y	V86	RADAR			12/92
94802	N	PC-CORA	A	Y	V86	RADAR			12/92
94821	N	PC-CORA	A	Y	V86	RADAR			12/92
94865	N	PC-CORA	A	Y	V86	RADAR			12/92
94910	N	PC-CORA	A	Y	V86	RADAR			12/92
94975	Y	PC-CORA	A	Y	V86	RADAR			12/92
94995	Y	PC-CORA	A	Y	V86	RADAR			12/92
94996	Y	PC-CORA	A	Y	V86	RADAR			12/92
94998	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
95527	N	PC-CORA	A	Y	V86	RADAR			12/92
96996	Y	PC-CORA	A	Y	V86	OMEGA	PC-CORA+SPO?		12/92
Brunei Darussalam									
96315	Y	PP11		Y	V86	RADAR	WF100-5		12/92
Cook Islands									
91843	N					RADAR	EEC WF100		01/93
Fiji									
91680	N	PP11	M	Y	V86	RADAR	COSSOR 353	COSSOR REPLACEMENT 93/94	12/92

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
French Polynesia									
91925	ATUONA (Marquesas Is.)	-9.8	-139.03	52	0012		VRS80		403
91938	TAHITI-FAAA (Society Is.)	-17.55	-149.62	2	0012		VRS80		403
91944	HAO (Tuamotu Is.)	-18.07	-140.95	3	00	12	VRS80		403
91948	RIKITEA (Tuamotu Is.)	-23.13	-134.97	89	00		VRS80		403
91952	MURUROA	-21.82	-138.8	3	00	12	VRS80		403
91954	TUBUAI (Austral Is.)	-23.35	-149.48	3	00	12	VRS80		403
91958	RAPA	-27.62	-144.33	2	0012		VRS80N		403
Indonesia									
96035	MEDAN/DR. SAM RATULANGI	3.57	98.68	25	00	061218	VIZ B		1680
96163	PADANG/TABING	-0.88	100.35	3	0012	0618	VIZ B		1680
96237	PANGKALPINANG	-2.17	106.13	33	00	0612	VIZ B		1680
96749	JAKARTA/ SOEKARNOHATA	-6.12	106.65	8	0012	0618	MESEI		1680
96935	SURABAYA/JUANDA	-7.37	112.77	3	00	061218	VIZ B		1680
97014	MENADO/DR. SAM RATULANGI	1.53	124.92	80	0012	06	VIZ B		1680
97072	PALU/MUTIARA	-0.68	119.73	6	00	0612	VIZ B		1680
97180	UJUNG PANDANG/HASANUDDIN	-5.07	119.55	14	0012	0612	VIZ B		1680
97372	KUPANG/ELTARI	-0.17	123.67	108	0012	0618	VIZ B		1680
97560	BIAK/MOKMER	-1.18	136.12	11	0012		VIZ B		1680
Malaysia									
48601	PENANG/BAYAN LEPAS	5.3	100.27	4	0012	0618	VRS80N		403
48615	KOTA BHARU	6.17	107.27	5	0012	0618	VIZ II		403
48648	KUALA LUMPUR/ PETALING JAYA	3.1	101.65	46	0012		VRS80N		403
48657	KUANTAN	3.78	103.22	15	0012	0618	VRS80N		403
96413	KUCHING	1.48	110.33	21	0012	0618	VRS80		403
96441	BINTULU	3.2	113.03	3	0012	0618	VRS80		403
96471	KOTA KINABALU	5.93	116.05	2	0012	0618	VRS80		403
96481	TAWAU	4.27	117.88	20	0012		VRS80		403
New Caledonia									
91592	NOUMEA	-22.28	166.45	72	00		VRS80N		403
New Zealand									
91610	TARAWA	1.35	172.92	2	00	12	VRS80		403
91643	FUNAFUTI	-8.52	179.22	1	00	12	VRS80		403
93012	KAITAIA	-35.2	173.27	86		001218			0
93112	WHENUAPAI	-36.78	174.63	30	0012		VRS80		403
93417	PARAPARAUMU AERO	-40.9	174.98	7	0012	18	VRS80		403
93986	CHATHAM IS.	-43.95	-176.57	44	00		VRS80N		403
93997	RAOUL IS., KERMADES IS.	-29.25	-177.92	38	00		VRS80N		403
Papua New Guinea									
94014	MADANG M.O.	-5.13	145.48	4	00		VRS80N		403
94035	PORT MORESBY, MO	-5	150	0	00	061218	VRS80?		403
94044	MOMOTE, MO	-5	150	0	00		VRS80?		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
French Polynesia									
91925	Y	STAR		Y	NIR	RADIOTHEODOLITE	MES.		08/95
91938	Y	STAR		Y	NIR	RADIOTHEODOLITE	MES.		08/95
91944	N	STAR		Y	NIR	RADIOTHEODOLITE	MES.		08/95
91948	N	STAR		Y	NIR	RADIOTHEODOLITE	MES.		12/92
91952	N	STAR		Y	NIR	RADAR			12/92
91954	N	STAR		Y	NIR	RADIOTHEODOLITE	MES.		12/92
91958	Y	STAR		Y	NIR	OMEGA	STAR		08/95
Indonesia									
96035	N	8020A/RD65		N		RADIOTHEODOLITE	RD65		01/96
96163	N	RD65		N		RADIOTHEODOLITE	RD65	ADDED TO LIST FEB 1993	01/96
96237	N	8020A/RD65		Y		RADIOTHEODOLITE	RD65		01/96
96749	N	RD65		Y		RADIOTHEODOLITE	RD65		02/93
96935	Y	8020A/RD65		N		RADIOTHEODOLITE	RD65		01/96
97014	N	8020A/RD65		N		RADIOTHEODOLITE	RD65		01/96
97072	N	8020A/RD65		N		RADIOTHEODOLITE	RD65		01/96
97180	N	8020A/RD65		N		RADIOTHEODOLITE	RD65		01/96
97372	N	RD65		N		RADIOTHEODOLITE	RD65	ADDED TO LIST FEB 1993	01/96
97560	N	RD65		N		RADIOTHEODOLITE	RD65		01/96
Malaysia									
48601	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
48615	N	W9000		Y		OMEGA	W9000		01/96
48648	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/93
48657	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/93
96413	N	PP11		Y	?	RADAR	PLESSEY - WF3		12/92
96441	N	PP11		Y	?	RADAR	PLESSEY - WF3		12/92
96471	N	PP11		Y	?	RADAR	PLESSEY - WF3		12/92
96481	N	PP11		Y	?	RADAR	PLESSEY - WF3		12/92
New Caledonia									
91592	Y	STAR		Y	NIR	OMEGA	STAR		12/92
New Zealand									
91610	N	PP11		Y	V82	RADAR	PLESSEY WF33		01/93
91643	Y	PP11		Y	NIR	RADAR	PLESSEY WF33		01/93
93012	N	PC-CORA	A			RADAR	EEC WF100	PILOTS ONLY	01/95
93112	N	PC-CORA	A	Y	V93	RADAR	EEC WF100		03/95
93417	Y	PC-CORA	A	Y	V93	RADAR	EEC WF100		03/95
93986	Y	DIGICORA	A	Y	V93	OMEGA	DIGICORA		03/95
93997	Y	DIGICORA	A	Y	V93	OMEGA	DIGICORA	ALSO APPEARS UNDER 91997	03/95
Papua New Guinea									
94014	N	DIGICORA	A	Y	V93	OMEGA	DIGICORA		01/96
94035	Y	DIGICORA?	A	Y	V93	OMEGA	DIGICORA	ADDED JAN 96	01/96
94044	N	DIGICORA?	A	Y	V93	OMEGA	DIGICORA	ADDED JAN 96	01/96

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
Philippines									
98223	LAOAG	18.18	120.53	5	00	12	VRS80N		403
98444	LEGASPI	13.13	123.73	17	00	12	VRS80N		403
98618	PUERTO PRINCESA	9.75	118.73	16	00	12	VRS18		25
98646	MACTAN	10.3	123.97	24	00	12	VRS18		25
Singapore									
48698	SINGAPORE/CHANGI A/P	1.37	103.98	16	0012	0618	VRS80N		403
Solomon Is.									
91517	HONIARA	-9.42	159.97	56	0012	0618	VRS80N		403
United States of America									
91165	LIHUE, KAUAI (Hawaii)	21.98	-159.35	32	0012	0618	VRS80		1680
91217	WSMO AGANA, GUAM (Mariana Is.)	13.55	144.83	111	0012		VIZ II		403
91245	WAKE IS. AIRFIELD (Wake Island)	19.28	166.65	5	0012		VIZ B		1680
91285	HILO/GEN. LYMAN, HAWAII (Hawaii)	19.72	-155.07	10	0012	0618	VIZ B		1680
91765	PAGO PAGO INT. A/P (Samoa Is.)	-14.33	170.72	5	0012	0618	VRS80		1680
91557	BAUERFIELD (EFATE)	-17.7	168.3	21	00	12	VRS80N		403
Stations operated by United States of America									
91334	TRUK (Caroline Is.)	7.47	151.85	3	00	12	VRS80		1680
91348	PONAPE (Caroline Is.)	6.97	158.22	39	00	0612	VRS80		1680
91413	YAP (Caroline Is.)	9.48	138.08	14	00	12	VRS80		1680
91366	KWAJELEIN/BUCHOLZ, AAF (Marshall Is.)	8.73	167.73	8	00	0618	MSS	VIZ	1680
91376	MAJURO (Marshall Is.)	7.08	171.38	3	00	1218	VIZ B		1680
91408	KOROR (Palau Is.)	7.33	134.48	30	00	12	VRS80		1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
Philippines									
98223	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 93	12/92
98444	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 93	12/92
98518	N	AR16/RT 18	N	Y	?	RADAR	EEC	ADDED TO LIST DEC 93	12/92
98646	N	AR16/RT 18	N	Y	?	RADIOTHEODOLITE		ADDED TO LIST DEC 93	12/92
Singapore									
48698	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
Solomon Is									
91517	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/93
United States of America									
91165	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91217	Y	W-9000	A	N		OMEGA	W-9000		01/96
91245	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91285	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91765	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91557	Y	MICROCORA	A	Y	NIR	OMEGA	MICROCORA	WS80-15N SONDES FOR PILOT	12/92
Stations operated by United States of America									
91334	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91348	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91413	N	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91366	N	MSS				RADIOTHEODOLITE	MSS		01/96
91376	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96
91406	Y	ART-1		N		RADIOTHEODOLITE	GMD-1		01/96

Index No.	Name	POSITION Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	PROGRAM TEMP	PILOT	RADIOSONDE Regular	Alternative	Frequency
REGION 6 - EUROPE									
Armenia									
37789	EREVAN	40.13	44.47	1113	0012		MARS		1782
Austria									
11010	LINZ/HOERSCHING FLUGHAFEN	48.24	14.18	298	IRREG		VRS80N		403
11035	WIEN/HOHE WARTE	48.25	16.37	200	0012	0618	ELIN		403
11240	GRAZ/THALERHOF FLUGHAFEN	47	15.43	340	IRREG		VRS80N		403
Azerbaijan									
37985	LANKARAN	38.73	48.83	-13	0012		MARS		1782
Belarus									
26850	MINSK	53.87	27.53	231	0012		MRZ		1782
33008	BREST	52.12	23.68	153	0012		MRZ		1782
33041	GOMEL	52.45	31	126	0012		MRZ		1782
Belgium									
06447	UCCLE	50.8	4.35	104	0012		VRS80N		403
06476	ST-HUBERT	50.03	5.4	557	0012		VRS80N		403
Bulgaria									
15614	SOFIA (OBSERV.)	42.82	23.38	591	000612		MARS		1782
Croatia									
14240	ZAGREB/MAKSIMIR	45.82	16.03	128	12	0618	VIZ B		1680
Cyprus									
17607	ATHALASSA	35.15	33.4	161	12	06	VIZ A		403
Czech Republic									
11520	PRAHA-LIBUS	50.02	14.45	304	00061218		VRS80N		403
Estonia									
26038	TALLINN	59.42	24.8	37	0012		VRS80		403
Denmark									
04202	THULE AIRFORCE BASE (Greenland)	76.52	-68.83	59	0012		VRS80		403
04220	EGEDESMINDE (Greenland)	68.7	-52.75	40	0012		VRS80N		403
04270	NARSARSUAQ (Greenland)	61.18	-45.43	4	0012		VRS80N		403
04320	DANMARKSHAVN (Greenland)	76.77	-18.77	11	0012		VRS80N		403
04339	SCORESBYSUND (Greenland)	70.48	-21.97	65	0012		VRS80N		403
04360	ANGMAGSSALIK (Greenland)	65.6	-37.63	50	0012		VRS80N		403
06011	THORSHAVN (Faeroe Is.)	62.02	-6.77	55	0012		VRS80N		403
06030	ALBORG	57.1	9.87	3	06		VIZ		1680
06181	KOBENHAVN/JAEGERSBORG	55.77	12.52	40	0012	0618	VRS80N		403
Finland									
02836	SODANKYLA	67.37	26.65	179	0012		VRS80N		403
02935	JYVASKYLA	62.4	25.68	145	0012		VRS80N		403
02963	JOKIOINEN	60.82	23.5	103	0012		VRS80N		403
France									
07110	BREST	48.45	-4.42	103	0012		VRS80L		403
07145	TRAPPES	48.77	2.02	168	0012		VRS80L		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
REGION 6 - EUROPE									
Armenia									
37789	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
Austria									
11010	N	DIGICORA		Y	V86	OMEGA	DIGICORA		11/94
11035	N	AUSTRIAN		N		RADAR	GEMATRONIC		12/92
11240	N	DIGICORA		Y	V86	OMEGA	DIGICORA		11/94
Azerbaijan									
37985	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
Belarus									
26850	N	AVK		Y		SECONDARY RADAR	AVK		01/96
33008	N	AVK		Y		SECONDARY RADAR	AVK		01/96
33041	N	AVK		Y		SECONDARY RADAR	AVK		01/96
Belgium									
06447	N	DIGICORA MW11	A	Y	V86	OMEGA	DIGICORA		12/92
06476	N	MOD CORA	A	Y	V86	OMEGA	MOD CORA		12/92
Bulgaria									
15614	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2	SWITCHING TO METEORIT-1 93	12/92
Croatia									
14240	N	GMD1A		N		RADIOTHEODOLITE	GMD		01/96
Cyprus									
17607	N	4700		N		RADAR	PLESSEY		01/96
Czech Republic									
11520	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
Estonia									
26038	N	DIGICORA	A	Y	V86	NAVAID?	DIGICORA	MARS TO VRS80 1/1/93	01/96
Denmark									
04202	N	DIGICORA	A	Y	V86	RADIOTHEODOLITE	GMD5?	CHANGED USING 31313 GROUP	01/96
04220	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
04270	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
04320	N	DIGICORA	A	Y	V86	OMEGA + VLF	DIGICORA		12/92
04339	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
04360	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
06011	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
06030	N	GMD1		N		RADIOTHEODOLITE	GMD1		12/92
06181	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	WIND PROFILER (LOCAL USE)	12/92
Finland									
02836	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
02935	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
02963	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
France									
07110	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
07145	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
07180	NANCY/ESSEY	48.68	6.22	217	0012		VRS80L		403
07481	LYON/SATOLAS	45.73	5.08	240	0012		VRS80L		403
07510	BORDEAUX/ MERIGNAC	44.83	-0.7	61	0012		VRS80L		403
07645	NIMES/ COURBESSAC	43.87	4.4	62	0012		VRS80L		403
07761	AJACCIO	41.92	8.8	9	0012		VRS80L		403
Georgia									
37260	SUHUMI	42.87	41.13	115	0012		MRZ		1782
37549	TBILISI	41.68	44.95	480	0012		MRZ		1782
Germany									
10035	SCHLESWIG	54.53	9.55	48	0012	0618	VRS80		403
10184	GREIFSWALD	54.1	13.38	6	00061218		VRS80N		403
10200	EMDEN-KOENIGSPOLDER	53.35	7.22	5	000618	18	VRS80		403
10272	WITTSTOCK	53.2	12.52	72	000612	18	VRS80		403
10338	HANNOVER	52.47	9.7	55	0012	0618	VRS80		403
10393	LINDENBERG	52.22	14.12	115	00061218		VRS80		403
10410	ESSEN	51.4	6.97	153	0012	0618	VRS80		403
10486	DRESDEN	51.12	13.68	232	0012	0618	VRS80		403
10548	MEININGEN	50.55	10.37	453	0012	0618	VRS80		403
10618	IDAR-OBERSTEIN	49.7	7.33	377	000612	18	VRS80		403
10739	STUTTGART/SCHNARRENBERG	48.83	9.2	315	0012	0618	VRS80		403
10771	KUEMMERSBRUCK	49.43	11.9	418	000612	18	VRS80		403
10868	MUENCHEN-OBERSCHLEISSHEIM	48.25	11.55	489	0012	0618	VRS80		403
Greece									
16622	THESSALONIKI A/P	40.52	22.97	4	12		VRS80N		403
16716	ATHINAI (A/P)	37.9	23.73	15	0012	0618	VRS80N		403
16754	HERAKLION (A/P)	35.33	25.18	39	12	0618	VRS80N		403
Hungary									
12843	BUDAPEST/LORINC	47.43	19.18	139	0012		VRS80N		403
12982	SZEGED	46.25	20.1	83	0012		MARS		1782
Iceland									
04018	KEFLAVIKUR-FLUGVOLLUR	63.97	-22.6	38	0012		VRS80N		403
Ireland									
03953	VALENTIA OBSERVATORY	51.93	-10.25	14	0012	18	VRS80N		403
Israel									
40179	BET DAGAN	32	34.82	30	0012	0618	VIZ II		1680
Italy									
16044	UDINE/CAMPOFORMIDO	46.03	13.18	94	0012	0618	VRS80N		403
16080	MILANO/LINATE	45.43	9.28	103	00061218		VRS80N		403
16144	S.PIETRO (BOLOGNA)	44.65	11.38	0	0012		VRS80N		403
16245	PRATICA DI MARE	41.65	12.43	12	00061218		VRS80N		403
16320	BRINDISI	40.65	17.95	10	00061218		VRS80N		403
16429	TRAPANI/BIRGI	37.92	12.5	14	0012	0618	VRS80N		403
16560	CAGLIARI/ELMAS	39.25	9.05	18	00061218		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
07180	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
07481	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
07510	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
07645	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
07761	N	STAR	A	Y	NIR	LORAN-C	STAR		12/92
Georgia									
37260	N	AVK		Y		SECONDARY RADAR	AVK		01/96
37549	N	AVK		Y		SECONDARY RADAR	METEORIT		01/96
Germany									
10035	N	PC-CORA(MOD)		Y	V86	RADAR	EEC	PC-CORA PTU + RADAR SYSTEM	01/93
10184	N	PC-CORA	A	Y	V86	OMEGA	PC-CORA+SPO?	X-BLOCK NO. 09 (OLD DDR)	01/93
10200	N	PC-CORA(MOD)		Y	V86	RADAR		VRS80: 07/93; COMMENT AS 10035	07/94
10272	N	PC-CORA(MOD)		Y	V86	RADAR	?	ADDED JAN 96	01/96
10338	N	PC-CORA(MOD)		Y	V86	RADAR	EEC	PC-CORA PTU + RADAR SYSTEM	01/93
10393	N	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	X-BLOCK NO. 09 (OLD DDR)	01/93
10410	N	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	PC-CORA PTU + RADAR SYSTEM	01/93
10466	N	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	X-BLOCK NO. 09 (OLD DDR)	01/93
10548	N	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	X-BLOCK NO. 09 (OLD DDR)	07/94
10618	N	PC-CORA(MOD)		Y	V86	RADAR		VRS80: 07/93; COMMENT AS 10035	07/94
10739	Y	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	PC-CORA PTU + RADAR SYSTEM	01/93
10771	N	PC-CORA(MOD)		Y	V86	RADAR		VRS80: 07/93; COMMENT AS 10035	07/94
10868	Y	PC-CORA(MOD)		Y	V86	RADAR	GEMATRONIC	PC-CORA PTU + RADRA SYSTEM	01/93
Greece									
16622	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
16716	N	MICROCORA		Y	V86?	OMEGA	MICROCORA		12/92
16754	N	MICROCORA		Y	V86?	OMEGA	MICROCORA		12/92
Hungary									
12843	N	DIGICORA MW	A	Y	NIR	OMEGA	DIGICORA		01/93
12982	N	METEORIT-2		Y	NIR	SECONDARY RADAR	METEORIT-2		01/93
Iceland									
04018	Y	MARWIN	A	Y	V86	OMEGA	MARWIN-12	VAISALA MARWIN SINCE 01/06/92	12/92
Ireland									
03953	Y	PC-CORA	A	Y	V86	OMEGA/RADAR	NAVAID/COSSOR	TEMPS (NAVAID) PILOT(RADAR)	01/96
Israel									
40179	N	CV-700		N		RADIOTHEODOLITE	ATIR		01/96
Italy									
16044	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		
16080	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		
16144	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		08/95
16245	Y	MICROCORA	A	Y	V82	OMEGA	MICROCORA	U/A STATION MOVED FROM ROME	
16320	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
16429	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		
16560	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
Jordan									
40265	MAFRAQ	32.37	36.27	687	0012		VRS80		403
Latvia									
26422	RIGA	56.97	24.03	26	0012		MARS		1782
Lebanon									
40100	BEYROUTH (AEROPORT)	33.82	35.48	19	0012		VRS80		403
Lithuania									
26629	KAUNAS	54.88	23.83	77	0012		VRS80		403
Netherlands									
06260	DE BILT	52.1	5.18	4	00061218		VRS80N		403
Norway									
01001	JAN MAYEN	70.93	-8.67	9	0012		VRS80N		403
01004	NY-ALESUND II	78.92	11.93	8	00		VRS80N		403
01028	BJORNOYA	74.52	19.02	20	0012		VRS80N		403
01152	BODO	67.26	14.37	20	0012		VRS80N		403
01241	ORLAND	63.7	9.6	10	0012		VRS80N		403
01384	OSLO/GARDERMOEN	60.2	11.1	201	0012		VRS80N		403
01400	EKOFISK	56	3	46	0012		VRS80N		403
01415	STAVANGER/SOLA	58.88	5.63	14	0012		VRS80N		403
Poland									
12120	LEBA	54.77	17.57	2	0012		VRS80N		403
12374	LEGIONOWO	52.4	20.97	96	0012	06	VRS80N	MARS	403
12425	WROCLAW I	51.12	16.88	122	0012		VRS80N		403
Portugal									
08508	LAJES/SANTA RITA (Azores)	38.73	-27.07	54	0012		VRS80N		403
08579	LISBOA/GAGO COUTINHO	38.77	-9.13	104	0012		VRS80N		403
Republic of Moldova									
33815	KISINEV	46.97	28.85	180	0012		MRZ		1782
Romania									
15120	CLUJ-NAPOCA	46.78	23.57	413	0012	0618	VRS80N		403
15420	BUCARESTI/IMH	44.5	26.13	91	0012	0618	VRS80N		403
15480	CONSTANTA	44.22	28.63	14	0012	0618	A-22		216
Russian Federation									
20107	BARENCBURG	78.07	14.15	75	00		MRZ		1782
22113	MURMANSK	68.98	33.12	121	0012		MRZ		1782
22217	KANDALAKSA	67.15	32.35	25	0012		MRZ		1782
22271	SOJNA	67.88	44.13	10	0012		MARS		1782
22522	KEM'-PORT	64.95	34.65	8	0012		MRZ		1782
22550	ARHANGEL'SK	64.62	40.5	4	0012		MRZ		1782
26063	ST. PETERBURG (VOEJKOVO)	59.95	30.7	76	0012		MRZ		1782
26258	PSKOV	57.8	28.33	44	0012		MARS		1782
26298	BOLOGOE	57.9	34.05	186	0012		MRZ		1782
26477	VELIKIE LUKI	56.35	30.62	105	0012		MARS		1782

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
Jordan									
40265	N	ARIGA/RDS65A		N				CHANGED FROM VIZ TO VRS80	12/92
Latvia									
26422	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
Lebanon									
40100	N	PP11							
Lithuania									
26629	N	DIGICORA	A	Y	V86	NAVAID?	DIGICORA		01/96
Netherlands									
06260	N	DIGICORA+PC	A	Y	V86	OMEGA	NAVAID		12/92
Norway									
01001	Y	DIGICORA	A	Y	V86	OMEGA	MICROCORA		02/93
01004	N	DIGICORA	A	Y	V86	OMEGA	?	ADDED JAN 96	01/96
01028	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		11/94
01152	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		02/93
01241	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		02/93
01384	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		02/93
01400	N	DIGICORA	A	Y	V86	OMEGA	?	ADDED JAN 96	01/96
01415	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		02/93
Poland									
12120	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/93
12374	N	DIGICORA/MET2	A	Y	V86	OMEGA/RADAR	DIGICORA/MET2	12Z(VRS80)/00Z/06Z(MARS)	01/93
12425	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED TO VRS80 1/1/93	01/93
Portugal									
08508	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
08579	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
Republic of Moldova									
33815	N	AVK		Y		SECONDARY RADAR	AVK		01/96
Romania									
15120	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	DIGICORA SINCE 01/12/92	12/92
15420	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	DIGICORA SINCE 01/12/92	12/92
15480	N	MALAHIT		N		SECONDARY RADAR	MALAHIT	PLANNED SWITCH TO AVK 1993.	12/92
Russian Federation									
20107	N	AVK		Y		SECONDARY RADAR	AVK		01/96
22113	N	AVK		Y		SECONDARY RADAR	AVK		01/96
22217	N	AVK		Y		SECONDARY RADAR	AVK		01/96
22271	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
22522	N	AVK		Y		SECONDARY RADAR	AVK		01/96
22550	N	AVK		Y		SECONDARY RADAR	AVK		01/96
26063	N	AVK		Y		SECONDARY RADAR	AVK		01/96
26258	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
26298	N	AVK		Y		SECONDARY RADAR	AVK		01/96
26477	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2	ADDED TO LIST JAN.96	01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
26702	KALININGRAD	54.72	20 55	21	0012		MARS		1782
26781	SMOLENSK	54.75	32.07	238	0012		MRZ		1782
27037	VOLOGDA	59.32	39.93	126	0012		MRZ		1782
27199	KIROV	58.6	49.67	165	0012		MRZ		1782
27459	NIZNIJ NOVGOROD	56.27	44	161	0012		MRZ		1782
27595	KAZAN	55.75	49.15	119	0012		MRZ		1782
27612	MOSKVA (DOLGOPRUDNYJ)	55.93	37.52	187	0012		MRZ		1782
27707	SUHINICI	54.1	35.35	238	0012		MRZ		1782
27730	RJAZAN	54.62	39.72	155	0012		MRZ		1782
27944	TAMBOV	52.73	41.47	161	0012		MARS		1782
27962	PENZA	53.13	45.02	172	0012		MRZ		1782
27995	SAMARA (BEZENCUK)	52.98	49.43	45	0012		MRZ		1782
34009	KURSK	51.77	36.17	246	0012		MRZ		1782
34122	VORONEZ	51.65	39.25	104	0012		MRZ		1782
34172	SARATOV	51.57	46.03	166	0012		MRZ		1782
34247	KALAC	50.42	41.05	92	0012		MARS		1782
34560	VOLGOGRAD	48.78	44.35	141	0012		MRZ		1782
34731	ROSTOV-NA-DONU	47.25	39.82	78	0012		MARS		1782
34858	DIVNOE	45.92	43.35	87	0012		MRZ		1782
34880	ASTRAHAN'	46.28	47.98	-17	0012		MRZ		1782
37018	TUAPSE	44.1	39.03	95	0012		MARS		1782
37054	MINERAL'NYE VODY	44.22	43.1	313	0012		MARS		1782
Slovakia									
11952	POPRAD/GANOVCE	49.03	20.32	706	0012	0618	VRS80N		403
Spain									
08001	LA CORUNA	43.37	-8.42	67	0012		VRS80N		403
08023	SANTANDER	43.47	-3.82	65	0012		VRS80N		403
08160	ZARAGOZA A/P	41.67	-1.02	258	0012		VRS80N		403
08221	MADRID/BARAJAS	40.47	-3.58	633	0012		VRS80N		403
08301	PALMA DE MALLORCA	39.55	2.61	6	0012		VRS80N		403
08430	MURCIA	38	-1.17	62	0012		VRS80N		403
Sweden									
02185	LULEA/KALLAX	65.55	22.13	34	000612	18	VRS80		403
02226	OSTERSUND/ FROSON	63.18	14.5	366	IRREG	IRREG	VRS80		403
02365	SUNDSVALL- HARNLSAND FLYGPLATS	62.53	17.45	6	00061218		VRS80N		403
02527	GOTEBURG/ LANDVETTER	57.67	12.3	155	00061218		VRS80N		403
02591	VISBY AEROLOGISKA STATION	57.65	18.35	47	0012	0618	VRS80		403
Switzerland									
06610	PAYERNE	46.82	6.95	491	0012	0618	ML-SRS		400
Syrian Arab Republic									
40007	ALEPPO	36.12	37.22	425	00		VRS80N		403
40080	DAMASCUS INT. A/P	33.42	36.52	611	12	0618	VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
26702	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
26781	N	AVK		Y		SECONDARY RADAR	AVK		01/96
27037	N	AVK		Y		SECONDARY RADAR	AVK		01/96
27199	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JAN 96, REPLACES 27196	01/96
27459	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUNE 94, REPLACES 27553	01/96
27595	N	AVK		Y		SECONDARY RADAR	AVK		01/96
27612	N	AVK		Y		SECONDARY RADAR	AVK		01/96
27707	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN 96	01/96
27730	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JUNE 94, REPLACES 27731	01/96
27944	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2		01/96
27962	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN 96	01/96
27995	N	AVK		Y		SECONDARY RADAR	AVK	ADDED JAN 96 , REPLACES 28900	01/96
34009	N	AVK		Y		SECONDARY RADAR	AVK		01/96
34122	N	AVK		Y		SECONDARY RADAR	AVK		01/96
34172	N	AVK		Y		SECONDARY RADAR	AVK		01/96
34247	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2	ADDED TO LIST JAN 96	01/96
34560	N	AVK		Y		SECONDARY RADAR	AVK		01/96
34731	Y	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1		01/96
34858	N	AVK		Y		SECONDARY RADAR	AVK		01/96
34880	N	AVK		Y		SECONDARY RADAR	AVK		01/96
37018	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
37054	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
Slovakia									
11952	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		06/94
Spain									
08001	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		12/92
08023	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		12/92
08160	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST DEC 1992.	12/92
08221	N	MOD CORA	A	Y	V82	OMEGA	MOD CORA		12/92
08301	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	CHANGED USING 31313	01/96
08430	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		12/92
Sweden									
02185	N	DIGICORA	A	Y	V86	RADAR			03/95
02226	N	DIGICORA	A	Y	V86	RADAR			01/93
02365	N	DIGICORA	A	Y	V86	OMEGA/LORAN	DIGICORA		06/95
02527	N	DIGICORA	A	Y	V86	OMEGA/LORAN	DIGICORA		06/95
02591	N	DIGICORA	A	Y	V86	RADAR			01/93
Switzerland									
06610	N	BASORA	A	N		SECONDARY RADAR	BASORA	USING NEW SRS-400 SONDE	12/92
Syrian Arab Republic									
40007	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		06/95
40080	N	MICROCORA	A	Y	V82	OMEGA	MICROCORA		01/93

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
Turkey									
17030	SAMSUN	41 28	36.33	4	0012		VRS80	VIZ B	1680
17062	ISTANBUL/GOZTEPE	40.97	29.08	40	0012		VRS80	VIZ B	1680
17130	ANKARA/CENTRAL	39.95	32.88	894	0012		VRS80	VIZ B	1680
17220	IZMIR	38.43	27.17	25	0012		VRS80	VIZ B	1680
17240	ISPARTA	37.75	30.55	997	0012		VRS80	VIZ B	1680
17280	DIYARBAKIR	37.88	40.18	677	0012		VRS80	VIZ B	1680
17351	ADANA	36.98	35.3	20	0012		VRS80	VIZ B	1680
Ukraine									
33317	SHEPETIVKA	50.17	27.03	278	0012		MRZ		1782
33345	KIEV	50.4	30.45	167	0012		MRZ		1782
33393	L'VIV	49.85	24.05	329	0012		MARS		1782
33631	UZHHOROD	48.63	22.27	115	0012		MRZ		1782
33658	CHERNIVTSI	48.27	25.92	218	0012		MARS		1782
33791	KRYVYI RIH	47.93	33.33	100	0012		MARS		1782
33837	ODESA	46.43	30.77	42	0012		MARS		1782
33946	SIMFEROPOL'	44.95	34.12	280	0012		MARS		1782
34300	KHARKIV	49.93	36.28	147	0012		MRZ		1782
United Kingdom of Great Britain and Northern Ireland									
03005	LERWICK	60.13	-1.18	84	00061218		VRS80L	VIZ	403
03026	STORNOWAY	58.22	-6.32	13	00061218		VRS80L		403
03132	WEST FREUGH	54.85	-4.95	12	IRREG		VRS80L		403
03213	ESKMEALS	54.32	-3.4	9	IRREG		VRS80L		403
03240	BOULMER	55.41	-1.6	75	00061218		VRS80L		403
03322	AUGHTON	53.55	-2.92	56	00061218		VRS80L		403
03496	HEMSBY	52.68	1.68	14	00061218		VRS80L	VRS80	403
03502	ABERPORTH	52.13	-4.57	134	IRREG	IRREG	VRS80	VRS80L	403
03693	SHOEBURYNESS	51.55	0.83	3	IRREG	IRREG	VRS80L		403
03743	LARKHILL	51.2	-1.8	133	IRREG	IRREG	VRS80		403
03808	CAMBORNE	50.22	-5.32	88	00061218		VRS80L	VRS80	403
03882	HERSTMONCEUX	50.9	0.33	54	00061218		VRS80L		403
03920	LONG KESH	54.48	-6.1	38	00061218		VRS80L		403
08495	GIBRALTAR	36.15	-5.33	4	000612		VRS80N		403
Yugoslavia									
13275	BEOGRAD/KOSUTNJAK	44.77	20.42	203	00		VRS80N		403

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Type	WINDFINDING System/Method	Equipment	Remarks	Date
Turkey									
17030	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17062	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17130	Y	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17220	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17240	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17280	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
17351	N	RD-65A		N		RADAR	MEISEI	BOTH VRS80 AND VIZ USED	01/96
Ukraine									
33317	N	AVK		Y		SECONDARY RADAR	AVK	ADDED TO LIST JAN 96	01/96
33345	Y	AVK		Y		SECONDARY RADAR	AVK		01/96
33393	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	AUTOMATIC RADAR	01/96
33631	N	AVK		Y		SECONDARY RADAR	AVK		01/96
33658	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
33791	N	METEORIT-2		Y		SECONDARY RADAR	METEORIT-2	ADDED TO LIST JAN 96	01/96
33837	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
33946	N	METEORIT-1		Y		SECONDARY RADAR	METEORIT-1	RADAR SEMI-AUTOMATIC/MANUAL	01/96
34300	N	AVK		Y		SECONDARY RADAR	AVK		01/96
United Kingdom of Great Britain and Northern Ireland									
03005	Y	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	USES VIZ WITH OZONE FLIGHTS	01/96
03026	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11		01/96
03132	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	New Station Nov 93,Few Ascents	01/96
03213	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	FEW ASCENTS AM,loran 19/10/92	01/96
03240	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	Opened 16/03/92	01/96
03322	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11		01/96
03496	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	USED AS TRIALS SITE.Loran 6/94	01/96
03502	N	PC-CORA	A	Y	V93	RADAR	COSSOR 353D	ASCENTS MAINLY AM	01/96
03693	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	ASCENTS MAINLY AM	01/96
03743	N	PC-CORA	A	Y	V93	RADAR	COSSOR 353D	ASCENTS MAINLY AM	01/96
03808	Y	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	TO LORAN 6/94	01/96
03882	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11	Opened 01/10/92	01/96
03920	N	PC-CORA	A	Y	V93	LORAN-C	PC-CORA+SPL11		01/96
08495	Y	PC-CORA	A	Y	V93	OMEGA	PC-CORA+SPO11	CHANGE TO OMEGA 1993	01/96
Yugoslavia									
13275	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat. (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
7 - ANTARCTICA									
89002	NEUMAYER (operated by Germany)	-70.62	-8.37	40	12		VRS80N		403
89009	AMUNDSEN-SCOTT (operated by USA)	-90	0	2800	0012		AIR		1680
89022	HALLEY (operated by UK)	-75.58	-26.37	35	12		AIR		1680
89050	BELLINGSHAUSEN (operated by Russian Federation)	-62.2	-58.93	16	00		MET		0
89055	BASE MARAMBIO (CENTRO MET. ANT.) (operated by Argentina)	-64.23	-56.72	198	12	18	VRS80N		403
89532	SYOWA (operated by Japan)	-69	39.58	21	0012		MEIR91		1680
89542	MOLODEZNAJA (operated by Russian Federation)	-67.67	45.85	40	0012		MET		0
89564	MAWSON (operated by Australia)	-67.6	62.87	16	0012		VRS80N		403
89571	DAVIS (operated by Australia)	-68.58	77.97	13	0012		VRS80N		403
89592	MIRNYJ (operated by Russian Federation)	-66.55	93.02	30	00		MET		0
89611	CASEY (operated by Australia)	-66.27	110.53	15	0012		VRS80N		403
89642	DUMONT D'URVILLE (operated by France)	-66.67	140.02	43	00		VRS80N		403
89662	BASE BAIA TERRA NOVA (operated by Italy)	-74.7	164.1	80	0012		VRS80		0
89664	MCMURDO (operated by USA)	-77.85	166.67	24	0012		VIZ B	AIR?	1680

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
7 - ANTARCTICA									
89002	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/93
89009	Y	AIR	A			RADIOTHEODOLITE	AIR		06/94
89022	Y	AIR SYSTEM	A	N		RADIOTHEODOLITE	AIR	EQUIP. CHANGED (1991/2)	06/94
89050	Y								
89055	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
89532	Y	THEOD.		Y		RADIOTHEODOLITE	MEISEI		01/96
89542	N								
89564	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
89571	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
89592	N								
89611	Y	DIGICORA	A	Y	V86	OMEGA	DIGICORA		12/92
89642	Y	STAR		Y	NIR	OMEGA	STAR		12/92
89662	N	?				?	?	ADDED JAN 96	01/96
89664	Y			N				POSSIBLY USING AIR SYSTEM	01/96

Index No.	Name	POSITION			PROGRAM		RADIOSONDE		
		Lat (-=S)	Long. (-=W)	Ht. (m/AMSL)	TEMP	PILOT	Regular	Alternative	Frequency
8 - SHIP STATIONS									
VLHJ	SOUTHERN SURVEYOR (Australia)	0	0	0					403
OXVH2	NAJA ARTICA (Denmark)	0	0	0	0012		VRS80N		403
OXYH2	NUKA ARTICA (Denmark)	0	0	0	0012		VRS80N		403
FNOR	FORT ROYAL (France)	0	0	0	0012		VRS80N		403
FNOU	FORT FLEUR D'EPEE (France)	0	0	0	0012		VRS80N		403
FNPH	FORT DESAIX (France)	0	0	0	0012		VRS80N		403
FNRS	FORT SAINT CHARLES (France)	0	0	0	0012		VRS80N		403
DBBH	FS METEOR (Germany)	0	0	0	0012		VRS80N		403
V2GH	EWL VENEZUELA (Germany)	0	0	0	0012		VRS80N		403
V2LV	EWL COLOMBIA (Germany)	0	0	0	0012		VRS80N		403
V2LX	EWL SURINAME (Germany)	0	0	0	0012		VRS80N		403
DBLK	POLARSTERN (Germany)	0	0	0	0012		VRS80N		403
JBOA	KEIFU MARU (Japan)	0	0	0	0012		MEIR91		1680
JCCX	CHOFU MARU (Japan)	0	0	0	0012		VRS80N		404.5
JDWX	KOFU MARU (Japan)	0	0	0	0012		VRS80N		404.5
JIVB	SEIFU MARU (Japan)	0	0	0	0012		VRS80N		403
JGQH	RYOFU MARU (Japan)	0	0	0	0012		VRS80N		404.5
LDWR	OWS MIKE (Norway)	66	2	0	0012	0618	VRS80L		403
EHOA	ESPERANZA DEL MAR (Spain)	0	0	0			VRS80N		403
GACA	CUMULUS (UK)	0	0	0	00061218		VRS80N		403
ZDLG	RRS BRANSFIELD (UK)	0	0	0	0012?		VRS80N		403
WTEA	RV DISCOVERER (USA)	0	0	0	0012		?		0

Index No.	GCOS Y/N	Ground Equipment	Geo ht calc Auto/ Man	Radiation Corr. Yes/ No	Radiation Corr. Type	WINDFINDING System/Method	WINDFINDING Equipment	Remarks	Date
8 - SHIP STATIONS									
VLHJ	N	?				?	?		01/96
OXVH2	N	MARWIN	A	Y	V86	OMEGA	MARWIN		01/96
OXYH2	N	MARWIN	A	Y	V86	OMEGA	MARWIN		01/96
FNOR	N	STAR	A	Y	V86	OMEGA	STAR	ASAP FRANCE-W.INDIES	01/96
FNOU	N	STAR	A	Y	V86	OMEGA	STAR	ASAP FRANCE-W.INDIES	01/96
FNPH	N	STAR	A	Y	V86	OMEGA	STAR	ASAP FRANCE-W.INDIES	01/96
FNRS	N	STAR	A	Y	V86	OMEGA	STAR	ASAP FRANCE-W.INDIES	01/96
DBBH	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ASAP FRG-W.AFRICA	01/96
V2GH	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
V2LV	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
V2LX	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
DBLK	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
JBOA	N	THEOD.		Y		RADIOTHEODOLITE	MEISEI	ASAP-JAPANESE WEATHER SHIP	01/96
JCCX	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		05/96
JDWX	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		05/96
JIVB	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA	ADDED TO LIST 22/6/94	01/96
JGQH		DIGICORA		Y	V86	OMEGA	DIGICORA	ADDED MAY 96	05/96
LDWR	N	DIGICORA	A	Y	V86	LORAN-C	DIGICORA		01/96
EHOA	N	DIGICORA	A	Y	V86	OMEGA	DIGICORA		01/96
GACA	Y	DIGICORA	A	Y	V93	OMEGA	DIGICORA+SPO11		09/93
ZDLG	N	MICROCORA		Y	V86	OMEGA	MICROCORA	ADDED JUNE 94.	01/96
WTEA	N	?	A	Y		?	?		01/96