

APPENDIX C

U.S. LAND-BASED RAWINSONDE STATIONS

<u>STATION NAME AND LOCATION</u>	<u>RSPNSBL AGENCY</u>	<u>STN ID</u>	<u>WBAN NUMBER</u>	<u>INT'L INDEX</u>	<u>SONDE TYPE</u>	<u>GROUND EQUIP</u>	<u>LAT/LONG (DEGS/MINS)</u>	<u>ELEVATION (METERS)</u>
<u>WMO REGION I, BLOCK 61</u>								
DIEGO GARCIA IS.	NAVY	FJDG	70701	61967	VSL	MARWIN	07/18S 72/24E	3
WIDE AWAKE FIELD	USAF	FHAW	50101	61902	V/11	GMD-5	07/58S 14/24W	79
<u>WMO REGION IV, BLOCK 01</u>								
THULE AB, GREENLAND	USAF	BGTL	17605	04202	V/11	GMD-5	76/32N 68/45W	77
<u>WMO REGION IV, BLOCK 70</u>								
ANCHORAGE, AK	NWS	PAFC	26409	70273	V/51	ART-2	61/09N 149/59W	50
ANNETTE, AK	NWS	PANT	25308	70398	V/51	ART-2	55/02N 131/34W	37
BARROW, AK	NWS	PABR	27502	70026	V/51	ART-2	71/18N 156/47W	12
BETHEL, AK	NWS	PABE	26615	70219	VSL/52	ART-2	60/47N 161/48W	36
COLD BAY, AK	NWS	PACD	25624	70316	VSL/52	ART-2	55/12N 162/43W	30
FAIRBANKS, AK	NWS	PAFA	26411	70261	VSL/52	ART-2	64/49N 147/52W	135
KING SALMON, AK	NWS	PAKN	25503	70326	VSL/52	ART-2	58/41N 156/39W	15
KODIAK, AK	NWS	PADQ	25501	70350	VSL/52	ART-2	57/45N 152/29W	4
KOTZEBUE, AK	NWS	PAOT	26616	70133	VSL/52	ART-2	66/52N 162/38W	5
MCGRATH, AK	NWS	PAMC	26510	70231	VSL/52	ART-2	62/58N 155/37W	103
NOME, AK	NWS	PAOM	26617	70200	VSL/52	ART-2	64/30N 165/26W	5
ST. PAUL ISLAND, AK	NWS	PASN	25713	70308	V/51	ART-2	57/09N 170/13W	10
SHEMYA AFB, AK	USAF	PASY	45715	70414	V/11	GMD-5	52/43N 174/06W	31
YAKUTAT, AK	NWS	PAYA	25339	70361	VSL/52	ART-1	59/31N 139/40W	12

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<u>WMO REGION IV, BLOCK 72</u>								
ABERDEEN, SD	NWS	KABR	14929	72659	V/51	ART-2	45/27N 98/25W	397
ALBANY, NY	NWS	KALB	14735	72518	V/51	ART-1	42/45N 73/48W	86
ALBUQUERQUE, NM	NWS	KABQ	23050	72365	V/51/65	ART-2R	35/02N 106/37W	1615
ALPENA, MI	NWS	KAPX	04837	72634	V/51	ART-2	44/55N 84/43W	1465
AMARILLO, TX	NWS	KAMA	23047	72363	VSL/52	ART-1	35/14N 101/42W	1094
ATLANTA, GA	NWS	KFFC	53819	72215	V/51	ART-2	33/22N 84/34W	246
BIRMINGHAM, AL	NWS	KBMX	53823	72230	V/51	ART-2	33/10N 86/46W	178
BISMARCK, ND	NWS	KBIS	24011	72764	V/51/65	ART-2R	46/46N 100/45W	505
BOISE, ID	NWS	KBOI	24131	72681	VSL/52	ART-2	43/34N 116/13W	871
BROWNSVILLE, TX	NWS	KBRO	12919	72250	V/51	ART-2	25/54N 97/26W	7
BUFFALO, NY	NWS	KBUF	14733	72528	V/51	ART-1	42/56N 78/44W	218
CARIBOU, ME	NWS	KCAR	14607	72712	V/51/65	ART-2R	46/52N 68/01W	191
CHARLESTON, SC	NWS	KCHS	13880	72208	V/51	ART-2	32/54N 80/02W	15
CINCINNATI, OH	NWS	KILN	13841	72426	V/51	ART-2	39/25N 83/49W	323
CORPUS CHRISTI, TX	NWS	KCRP	12924	72251	V/51	ART-2	27/46N 97/30W	14
DEL RIO, TX	NWS	KDRT	22010	72261	V/51	ART-2	29/22N 100/55W	314
DENVER INT APT, CO	NWS	KDNR	23062	72469	VSL/52	ART-2	39/46N 104/52W	1611
DESERT ROCK, NV	DOE	KDRA	03160	72387	V/51	ART-1	36/37N 116/01W	1007
DETROIT, MI	NWS	KDTX	04830	72632	V/51	ART-2	42/42N 83/28W	329
DODGE CITY, KS	NWS	KDDC	13985	72451	V/51	ART-2	37/46N 99/58W	790
EDWARDS AFB, CA	USAF	KEDW	23114	72381	V/11	GMD-5	34/54N 117/55W	724
EGLIN AFB, FL	USAF	KVPS	13858	72221	V/61	DIGICORA	30/29N 86/31W	20
ELKO, NV	NWS	KLKN	04105	72582	V/51	ART-2R	40/52N 115/44W	1607
EL PASO, TX	NWS	KEPZ	03020	72364	VSL/52	ART-2	31/52N 106/42W	1257
FLAGSTAFF, AZ	NWS	KFGZ	53103	72376	V/51	ART-2	35/14N 111/49W	2180
FORT HOOD, TX	ARMY	KHLR	03033	72257	V/10	RDF	31/06N 97/20W	270
FORT HUACHUCA, AZ	ARMY	KFHU	03188	72273	VSL/61	DIGICORA	31/34N 110/21W	1439*
FORT WORTH, TX	NWS	KFWD	03990	72249	V/51/65	ART-2R	32/08N 97/03W	198
GLASGOW, MT	NWS	KGGW	94008	72768	V/51	ART-1	48/13N 106/37W	696
GRAND JUNCTION, CO	NWS	KGJT	23066	72476	V/51/65	ART-2R	39/07N 108/32W	1475
GREAT FALLS, MT	NWS	KTFX	04102	72776	V/51	ART-2	47/27N 111/23W	1132

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<u>WMO REGION IV, BLOCK 72</u>								
GREEN BAY, WI	NWS	KGRB	14898	72645	V/51	ART-2	44/29N 88/08W	2 1 4
GREENSBORO, NC	NWS	KGSO	13723	72317	V/51	ART-2	36/05N 79/57W	277
INTERNATIONAL FALLS, MN	NWS	KINL	14918	72747	V/51	ART-2	48/34N 93/23W	361
JACKSON, MS	NWS	KJAN	03940	72235	V/51	ART-1	32/19N 90/05W	91
JACKSONVILLE, FL	NWS	KJAX	13889	72206	V/51	ART-2	30/29N 81/42W	11
KEY WEST, FL	NWS	KEYW	12850	72201	V/51	ART-1	24/33N 81/45W	2
LAKE CHARLES, LA	NWS	KLCH	03937	72240	V/51	ART-2	30/07N 93/13W	5
LITTLE ROCK, AR	NWS	KLZK	03952	72340	V/51/65	ART-2R	34/50N 92/16W	172
MEDFORD, OR	NWS	KMFR	24225	72597	V/51	ART-2	42/23N 122/53W	397
MIAMI, FL	NWS	KMFL	92830	72202	V/51	ART-2	24/45N 80/23W	5
MIDLAND, TX	NWS	KMAF	23023	72265	VSL/52	ART-1	31/57N 102/11W	873
MINNEAPOLIS, MN	NWS	KMPX	94938	72649	V/51	ART-2	44/51N 93/54W	288
MOREHEAD CITY, NC	NWS	KMHX	93768	72305	V/51	ART-2	34/47N 76/53W	11
NASHVILLE, TN	NWS	KOHX	13897	72327	V/51	ART-2	36/15N 86/34W	180
NEW ORLEANS, LA	NWS	KLIX	53813	72233	V/51	ART-1	30/20N 89/50W	10
NEW YORK CITY, NY	NWS	KOKX	94703	72501	V/51	ART-2	40/52N 72/52W	20
NORMAN, OK	NWS	KOUN	03948	72357	V/51	ART-1	35/14N 97/27W	357
NORTH PLATTE, NE	NWS	KLBF	24023	72562	V/51	ART-2	41/08N 100/41W	847
OAKLAND, CA	NWS	KOAK	23230	72493	V/51	ART-2	37/45N 122/13W	6
OMAHA, NE	NWS	KOAX	94980	72558	V/51	ART-2	41/19N 96/22W	350
PITTSBURGH, PA	NWS	KPBZ	94823	72520	V/51	ART-2	40/32N 80/14W	360
PT. MUGU, CA	NAVY	KNTD	93111	72391	VSL	MARWIN	34/07N 119/07W	14
QUILLAYUTE, WA	NWS	KUIL	94240	72797	V/51	ART-2	47/47N 124/33W	56
RAPID CITY, SD	NWS	KUNR	24090	72662	V/51	ART-2	44/03N 103/04W	966
RENO, NV	NWS	KREV	03198	72489	V/51	ART-2	39/34N 119/48W	1516
RIVERTON, WY	NWS	KRIW	24061	72672	VSL/52	ART-2	43/04N 108/29W	1700
ROANOKE, VA	NWS	KRNK	53829	72318	V/51	ART-2	37/12N 80/25W	648
SALEM, OR	NWS	KSLE	24232	72694	V/51	ART-2	44/55N 123/01W	61
SALT LAKE CITY, UT	NWS	KSLC	24127	72572	V/51/65	ART-2R	40/47N 111/57W	1288
SAN DIEGO, CA	NWS	KSGX	03190	72293	V/51	ART-1	32/50N 117/07W	134
SAN NICOLAS IS., CA	NAVY	KNSI	93116	72291	VSL	MARWIN	33/14N 119/28W	14
SHREVEPORT, LA	NWS	KSHV	13957	72248	V/51	ART-1	32/27N 93/50W	85

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<u>WMO REGION IV, BLOCK 72</u>								
SPOKANE, WA	NWS	KOTX	24157	72785	V/51/65	ART-1R	47/38N 117/32W	720
SPRINGFIELD, MO	NWS	KSGF	13995	72440	V/51	ART-2	37/14N 93/24W	390
TALLAHASSEE, FL	NWS	KTLH	93805	72214	V/51	ART-1	30/23N 84/21W	18
TAMPA BAY AREA, FL	NWS	KTBW	12842	72210	V/51	ART-1	27/42N 82/24W	13
TOPEKA, KS	NWS	KTOP	13996	72456	V/51	ART-2	39/04N 95/38W	270
TUCSON, AZ	NWS	KTUS	23160	72274	VSL/52	ART-1	32/07N 110/56W	7 8 7
VANDENBERG AFB, CA	USAF	KVBG	93214	72393	OSC/	MSS	34/44N 120/33W	100
WALLOPS ISLAND, VA	NWS	KWAL	93739	72402	V/49	WL9000	37/56N 75/29W	13
WASHINGTON D.C.	NWS	KLWX	93734	72403	VSL/52	ART-2	38/59N 77/28W	85
<u>WMO REGION IV, BLOCK 74</u>								
ABERDEEN PROVING, MD	ARMY	KAPG	93763	74002	VSL/61	DIGICORA	39/28N 76/04W	5*
CAPE CANAVERAL, FL	USAF	KXMR	12868	74794	V/11	GMD-5	28/29N 80/33W	5
CENTRAL ILLINOIS, IL	NWS	KILX	04833	74560	V/51	ART-2	40/09N 89/20W	178
CHATHAM, MA	NWS	KCHH	14684	74494	V/51/65	ART-2R	41/40N 69/58W	16
DUGWAY PROVING, UT	ARMY	KDPG	24103	74003	V/49	WL9000	40/01N 112/32W	1325*
PORTLAND, ME	NWS	KGX	54762	74389	VSL/52	ART-2	43/54N 70/15W	125
QUAD CITY, IA	NWS	KDVN	94985	74455	V/51/65	ART-2R	41/37N 90/35W	229
REDSTONE ARSENAL, AL	ARMY	KRSA	53815	74001	VSL/61	DIGICORA	34/36N 86/38W	175*
S. VANDENBERG AFB, CA	USAF	KVBG	93220	74606	V/45	MSS	34/39N 120/34W	112
WHITE SANDS, NM	ARMY	KWSD	93098	74690	VSL/61	DIGICORA	32/13N 106/13W	1224*
YUMA, AZ	ARMY	K1Y7	03125	74004	VSL/61	DIGICORA	32/33N 113/29W	145*
<u>WMO REGION IV, BLOCK 78</u>								
GUANTANAMO, CUBA	NAVY	MUGM	11706	78367	VSL	MARWIN	19/54N 75/13W	56
HOWARD AFB, C.Z.	USAF	MPHO	10705	78806	V/11	GMD-1	08/59N 79/33W	69
SAN JUAN, PR	NWS	KSJU	11641	78526	V/51	ART-2	18/26N 66/00W	3

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<u>WMO REGION V, BLOCK 91</u>								
CHUUK, ECI	TRUST	PTKK	40505	91334	VSL/52	ART-1	07/27N 151/50E	3
GUAM	NWS	PGUM	41406	91212	V/49	WO9000	13/29N 144/48E	78
HILO, HI	NWS	PHTO	21504	91285	V/51	ART-1	19/43N 155/04W	10
KOROR, PALAU WCI	TRUST	PTRO	40309	91408	VSL/52	ART-1	07/20N 134/29E	30
KWAJALEIN ATOLL	ARMY	PKWA	40604	91366	V/45	MSS	08/44N 167/44E	8
LIHUE, HI	NWS	PHLI	22536	91165	VSL/52	ART-1	21/59N 159/21W	32
MAJURO, MARSHALL IS	TRUST	PMKJ	40710	91376	V/51	ART-1	07/05N 171/23E	3
PAGO PAGO, AM SAMOA	NWS	NSTU	61705	91765	VSL/52	ART-1	14/20S 170/43W	5
PONAPE, ECI	TRUST	PTPN	40504	91348	VSL/52	ART-1	06/58N 158/13E	39
WAKE ISLAND	NWS	PWAK	41606	91245	V/51	ART-1	19/17N 166/39E	5
YAP, WCI	TRUST	PTYA	40308	91413	VSL/52	ART-1	09/29N 138/05E	14

LEGEND:

1. **"STN ID"** column - The three or four letter group is the station identifier.
2. **"WBAN NUMBER"** column - used to by NCDC to identify the station.
3. **"INT'L INDEX"** column - is the International Index Number issued by the WMO and is used to identify each station's meteorological data transmissions.
4. **"SONDE TYPE"** column -

V - VIZ	VSL - Vaisala
10 - Type A Pressure-Commuted	11 - Type B Time-Commuted
49 - Microsonde (Omega/Loran)	OSC - Orbital Sciences Corporation
51 - Type B2 Time-Commuted	52 - Time-Commuted
65 - Type B Transponder	
5. **"GROUND EQUIP"** column -

ART-1 is a GMD-1 with an automatic radiotheodolite modification
ART-2 is a WBRT-57 with an automatic radiotheodolite modification
R - designates ranging capability
GMD-5 - RDF Ground System
W9000 - VIZ Ground System (WO9000 - Omega WL9000 - Loran)
MARWIN - Vaisala Ground System

