

The World Data Center A creates a world-wide bulletin of seismicity. The seismic stations contributing the data are sponsored by governmental and private organizations. The list of stations given below was provided by the U.S. Geological Survey, National Earthquake Information Center on September 1,2000. Additional station data were provided by other networks and research organizations. This compilation is provided on the premise that critical data can come from any station or location and therefore this extensive list is provided for the use by the Comprehensive Test Ban monitoring community.

### Acension Island

	ASCN	7.9327S	14.3601W
Hydrophone Site	ASH19	7.8250S	14.6020W
	ASH21	7.9870S	14.4950W
	ASH23	7.0697S	14.4175W
	ASH24	7.0557S	14.4490W
	ASH25	7.9465S	14.6500W
	ASH26	7.9440S	14.6180W
	ASH27	7.8530S	14.3660W
	ASH29	7.9490S	14.2660W

### Afghanistan

Kabul, Afghanistan	KAAO Closed	34.5408N	69.0428E
	KBL	34.5408N	69.0432E

### Albania

Bajram Curri, Albania	BCI	42.3666N	20.0675E
Berat, Albania	BERA	40.7027N	19.9494E
Fierza, Albania	FRZ	42.2814N	20.0381E
Kam, Albania	KMA	42.2619N	20.2428E
Korca, Albania	KBN	40.6236N	20.7874E

Kukes, Albania	KKS		42.0756E	20.4113E
Laci, Albania	LACI		41.6363N	19.7094E
Leskovik, Albania	LSK		40.1500N	178.6000E
Peshkopi, Albania	PHP		41.6847N	20.4408E
Puka, Albania	PUK		42.0427N	19.8928E
Saranda, Albania	SRN		39.8800N	20.0006E
Shkodra, Albania	SDA		42.0519N	19.4986E
Tepelena, Albania	TPE		40.2952N	20.0109E
Tirana, Albania	TIR		41.3477N	19.8650E
Vlora, Albania	VLO		40.4686N	19.4955E

## Algeria

Algeria	OUI		34.6570N	1.9010W
Ababsia, Algeria	ABSA		36.0000N	7.0000E
Alger- Bouzareah, Algeria	ABA		36.8011N	3.0350E
Algiers, Algeria	ALG		36.7717N	3.0583E
Beni-Abbes, Algeria	BAB		30.1214N	2.1861W
Constantine, Algeria	CNS		36.3700N	6.6125E
In Amguel,	IAA	Closed	23.8222N	5.1750E

## Algeria

Medea, Algeria	MEB		36.3030N	2.7300E
Mefrouche, Algeria	MFR			
Oued Fodda, Algeria	OFD		36.0667N	1.6000E
Relizane, Algeria	RLA	Closed	35.5833N	0.5833E
	REL	Closed	35.7500N	0.5500E
Setif, Algeria	SET		36.2000N	5.4000E
Tamanrasset, Algeria	TAM		22.7910N	5.5270E
Tlemcen Algeria	TEC		34.8500N	1.2833W

## Andorra

Andorre, Andorra	PAND		42.5225N	1.5469E
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## Angola

Dunndo, Angola	DUN		7.4088N	20.8372E
Luanda, Angola	LUA	Closed	8.5000S	13.2333E
Sa da Bandeira, Angola		Closed	14.9258N	13.5719E

## Anguilla

Sombrero, Anguilla	SWIP		18.5980N	63.4263W
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## Antigua

Antigua, Antigua	AWI	Closed	17.1430N	61.8350W
	ANG		17.1550N	61.8300W
Boggy Peak,	BPA		17.0460N	61.8570W

## Antigua

Friars Hill, Antigua	ANG		17.1550N	61.8300E
Agrelo, Antigua	AAGR		33.0852N	68.8254W

## Antarctica

Antarctic (Marguerite Bay)	ANC	Closed	68.1944S	67.0000W
Byrd Antartica	BY1	Closed	80.0054S	119.0434W
	BY2	Closed	80.0771S	119.6812W
	BY3	Closed	80.9437S	119.7169W
	BYA	Closed	80.0096S	119.4805W
	BYR	Closed	80.0167S	119.5167W
Base Esperanza, Antartica	ESPZ		63.3981S	56.9964W
Casey, Antarctica	CASY		66.2792S	110.5364E
Casey Station, Antarctica	CSY		66.2894S	110.5289E
Dumont D'Urville Antartica	DRV		66.6650S	140.0086E
Gabriel Gonzalez Videla, Antarctica	GGV	Closed	64.8199S	62.8633W
George von Neumayer Antarctica	VNA	Closed	70.3700S	8.2200W
Halley Bay, Antarctica	HBA	Closed	75.5167S	26.6000W
Hallett, Antarctica	HLL	Closed	72.3139N	170.2167E

Little America, LAA	Closed	78.2000S	162.2500E
Antarctica			
Mawson,	MAAW	67.6039S	62.8706E
Antarctica			
McMurdo Sound, MCM	Closed	77.8333S	166.6000E
Antarctica			
Maitri,	MAIT	70.7760S	11.7360E
Antarctica			
Mirnyy,	MIR	66.5500S	93.0000E
Antarctica			
Newmayer-	VNA3	71.2431S	9.6704W
Olymp,			
Antarctica			
Neumayer-	VNA1	70.6625S	8.2567W
Station,			
Antarctica			
Neumayer-	VNA2	70.9258S	7.3921W
Watzmann,			
Antarctica			
Novolazarev-	NVL	70.7667S	11.8333E
skaya,			
Antarctica			
Oasis Bungera, OBA	Closed	66.1667S	100.7333E
Antarctica			
O'Higgins,	OHC	63.3333N	57.9000W
Antarctica			
Palmer Station, PMSA		64.7742S	64.0490W
Antarctica			
Rockefeller	RMA	78.1333S	55.4167W
Mountains,	Closed		
Antarctica			
Sanae,	SNAA	71.6707S	2.8379W
Antarctica			
Scott Base,	SBA	77.8489S	166.7574E
Antarctica			

South Pole, Antarctica	SPA		89.9990S	115.0000E
Syowa, Antartica	SYO		69.0088S	39.5921E
Terre Adelie, Antartica	TAA	Closed	66.8178S	141.3950E
Terra Nova Bay, Antarctica	TNV		74.6950S	164.1240E
Vanda, Antarctica	VND	Closed	77.5239S	161.6719E
	VNDA		77.5172S	161.8528E
Wilkes, Antarctica	WILL	Closed	66.2592S	110.5272E

## Antarctica (UK)

South Shetland Islands, Antarctica (UK)

Arctowski Station	AAS		62.1600S	58.4625W
Deception Island	DEC	Closed	62.9833S	60.7167W
Pedro Aguirre Cerda	PED	Closed	62.9394S	60.5850W
Sejong Station	SEJ		62.2208S	58.7528W

## Antarctica (UK and Argentina)

South Orkney Islands, Antarctica (UK and Argentina)

Signy Island (UK)	SGY		60.7101S	45.5976W
Orcadas (Argentina)	ORCD		60.7381S	44.7361W

## Argentina

Andalgala,	ANL	Closed	27.6167S	66.3167W
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Argentina				
Barreal, Argentina	RTBS		31.6614S	69.4531W
Bosque Alegre, Argentina	BOS	Closed	31.5983S	64.5458W
Buenos Aires, Argentina	BAA		34.5917S	58.4833W
Cacique Ariacaiquin, Argentina	RTAS			
Cafayete, Argentina	FSA		26.0923S	66.0128W
Cantantal, Argentina	ACAN		32.2741S	67.1886W
Cayastacito, Argentina	RTCS			
Cerro Blanco, Argentina	RTCB		31.4878S	68.8104W
Cerro Coronel, Argentina	ACCO		30.5879S	69.0820W
Cerro Negro, Argentina	CEN		31.5758S	68.7542W
Cerro Valdivia, Argentina	RTCV		31.8617S	68.5412W
Cerro Villicum, Argentina	RTLL		31.3286S	68.4758W
Cipoletti, Argentina	CIP	Closed	38.9333S	68.1333W
Chacarita, Argentina	CCR	Closed	34.5833N	58.4667W
Chepes, Argentina	ACHE		31.1661S	66.6637W
Chilecito, Argentina	CCT	Closed	29.1667S	67.5000W

Choya, Argentina	CYA	28.4417S	65.8020W
Coronel Fontana, Argentina	CFA	31.6026S	68.2331W
Cuesta del Viento, Argentina	ACDV	30.1703S	69.1206W
Eldorado, Argentina	EDMA	26.3578S	54.4417W
Horco Mole, Argentina	AHML	26.7856S	65.3354W
Hualilan, Argentina	HLN	30.7364S	68.9492W
Helvecia, Argentina	HSFA	31.1028S	60.1108W
Horco Molle, Argentina	AHML	26.7856S	65.3354W
Hualilan, Argentina	HLN	30.7364S	68.2331W
Humahuaca, Argentina	HJA	23.2079S	65.4095W
Jujuy, Argentina	JUJ	24.2458S	65.2728W
Leoncito, Argentina	LEO	31.7997S	69.3353W
	RTLS	31.7989S	61.2969W
Lumberera, Argentina	ALUM	25.2376S	64.8794W
Manantiales, Argentina	MAA	32.0839S	69.8500W
Marayes, Argentina	AMAR	31.4555S	67.3278W
Marquesado, Argentina	RTMQ	31.5057S	68.6667W



Mendoza, Argentina	MEN	Closed	32.9050N	68.8642W
	MDZ		32.8833N	68.8500W
Mogote Corralitos, Argentina	AMLC		31.3089S	67.9250W
Paso Flores, Argentina	PLCA		40.7328S	70.5508W
Patquia, Argentina	RTPR		30.3022S	66.5114W
La Paz, Argentina	RTPE			
Pie de Palo, Argentina	PPA	Closed	31.5156S	68.2694W
Pilar, Argentina	PIL	Closed	31.6683S	63.8833W
La Plata, Argentina	LPA	Closed	34.9089S	57.9319W
La Quiaca, Argentina	LQA	Closed	22.1033S	65.6033W
Rodeo, Argentina	RTRS		30.1701S	69.4603W
	AROD		30.1664S	69.4742W
Salagasta, Argentina	ASAL		32.5911S	68.8349W
Salta, Argentina	SLT	Closed	24.7833S	65.4167W
San Antonio de las Cabres, Argentina	NSA			
San Juan, Argentina	SJA		31.5261S	68.5581W
San Lorenzo, Argentina	SLA		24.7211S	65.5045W

San Martin, Argentina	MRA		32.4190N	65.7172W
San Rafael, Argentina	RFA		34.7707S	68.4658W
Santa Barbara, Argentina	ASTB		23.9500S	64.4840W
Santa Cruz, Argentina	SCA	Closed	49.8333S	72.0500W
Sierra de la Ventana, Argentina	VBA		38.0539S	61.9756W
Tala Pozo, Argentina	TPA	Closed	27.8217S	64.2450W
Tanti, Argentina	TCA		31.3386S	64.5908W
Tornquist, Argentina	TRQA			
Tranquitos, Argentina	TSA		22.3889S	63.7753W
Tucuman, Argentina	TCM	Closed	26.8000S	65.2000W
Tunal, Argentina	USA			
Ushuaia, Argentina	USHU		54.8433S	68.5569W
	UHA			
Uspallata, Argentina	AUSP		32.2236S	69.3873W
	UHA			
Valle Fertil, Argentina	RTVF			
	AVFE		30.6598S	67.4548W
La Via, Argentina	VSA			
Villa Urquiza, Argentina	RTUE			

## Argentina

Vinchina, Argentina	VCA		28.7408S	68.2017W
Vizcacheras, Argentina	AVIZ		33.4731S	68.5162W
Yavi, Argentina	YJA		22.1760S	65.5143W
Zapla, Argentina	AZAP		24.2245S	65.0663W
Zonda, Argentina	ZON		31.5458N	68.6786W

## Argentina

Argentine Islands (Faraday)	AIA	Closed	65.2500S	64.2667W
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## Armenia

Bavra, Armenia	BAW		41.1200N	43.8000E
Evevan, Armenia	ERE		40.1833N	44.5000E
Garni, Armenia	GNI		40.0530N	44.7240E
Goris, Armenia	GRS		39.5000N	46.3333E
Gyumri, Armenia	LEN		40.7667N	43.8500E
Jermuk, Armenia	DZR		39.8800N	43.8000E
Kadzharan, Armenia	KDR		39.1500N	46.1000E
Metsamor, Armenia	METS		40.1500N	44.0800E
P'arak'ar, Armenia	PAAR		40.1500N	44.3800E

## Armenia

Stepanavan, Armenia	STE	41.0000N	44.3700E
Vardenis, Armenia	VRD	40.2200N	45.7000E
Yerevan, Armenia	ERE	40.1700N	44.4700E

## Australia

Aberfeldy, Australia	ABEM	37.7194S	146.3890E
Adelaide, Australia	ADE	34.9669S	138.7089E
	TWOA	35.0325S	138.5781E

## Alice Springs Australia

Array Site 1, AS01		23.6647S	133.9508E
Site 2, AS02		23.6792S	133.9369E
Site 3, AS03		23.6744S	133.9197E
Site 4, AS04		23.6597S	133.9292E
Site 5, AS05		23.6492S	133.9475E
Site 6, AS06		23.6475S	133.9714E
Site 7, AS07		23.6656S	133.9697E
Site 8, AS08		23.6814S	133.9600E
Site 9, AS09		23.6994S	133.9414E
Site 10, AS10		23.6969S	133.9139E
Site 11, AS11		23.6783S	133.8978E
Site 12, AS12		23.6664S	133.9044E
Site 13, AS13		23.6519S	133.8944E

Site 14,AS14			23.6517S	133.9103E
Site 15,AS15			23.6456S	133.9122E
Site 16,AS16			23.6369S	133.9300E
Site 17,AS17			23.6644S	133.9917E
Site 18,AS18			23.6900S	133.9808E
Site 19,AS19			23.7044S	133.9625E
Alice Springs Array Ref. Point. Australia	ASAR		23.6664S	133.9044E
Alice Springs, Australia	ASP	Closed	23.6783S	133.8894E
	ASPA		23.6669S	133.9014E
Armidale, Australia	ARMA		30.4198S	151.6280E
Avon, Australia	AVO		34.3764S	150.6150E
Awoonga Dam #3, Australia	AWDQ		24.0478S	151.3157E
Ballarat, Australia	BRAT		37.5500S	143.9910E
Ballidu, Australia	BAL		30.6065S	116.7072E
	BLDU		30.6119S	116.7091E
Bannockburn, Australia	BANM		38.0515S	144.2498E
Bellfield, Australia	BFD		37.1761S	142.5444E
Bogong, Australia	BOV	Closed	36.8078S	147.2275E
Boondooma Dam, Australia	BDMQ		26.1123S	151.4444E
Boorowa,	BWA		34.4250S	148.4183E

Australia				
Brisbane, Australia	BRS		27.3917S	152.7750E
	BRSB		27.4781S	152.0311E
Bruslee, Australia	BSLQ		20.8670S	146.5640E
Buaraba No. 3,	WBAQ		27.3527S	152.3082E
Buchan, Australia	BUV	Closed	37.4983S	148.1681E
Buckleboo, Australia	BBOO		32.8110S	136.0565E
Buckrabanyule, Australia	BUCM		36.2384S	143.4981E
Budderoo, Australia	BUDM		34.6742S	150.6407E
Burakin, Australia	WA4		30.6020S	117.2250E
Burnie High School, Australia	BNE		41.0625S	145.8653E
Burrinjuck Dam, Australia	BJDM		35.0041S	148.5819E
Burrinjuck Efstration, Australia	BJEM		34.9505S	148.6460E
Cabramurra, Australia	CAB	Closed	35.9267S	148.4331E
	CBR		35.5492S	148.3928E
Cairn Curran, Australia	CCRM		36.9906S	143.9722E
Canberra, Australia	CAN		35.3208S	148.9986E
	CNB		35.3150S	149.3633E
Cardinia, Australia	CDNM		37.9462S	145.4252E

Castle Hill, Australia	CAH		34.6433S	149.2417E
Cataract Dam, Australia	CTDM		34.2672S	150.8082E
Cataract Bedrock, Australia	CTBM		34.2468S	150.8107E
Cavillon, Australia	CAVM		29.6478S	151.6238E
Chaffey Accelerograph, Australia	CHAM		31.3497S	151.1379E
Chaffey Dam, Australia	CHFM		31.3265S	151.1164E
Charters Towers, Australia	CTA		20.0883S	146.2544E
	CTAO		20.0883S	146.2544E
Cleve, Australia	CLV		33.6911S	136.4956E
Cobar, Australia	CMS	Closed	31.4867S	145.8283E
	CMSA		31.5390S	145.6903E
Collinsville, Australia	CVLQ		20.5900S	147.6090E
Cook Island Australia	CCK		12.2000S	96.9000E
Coolgardie, Australia	COOL		30.8838S	121.1447E
Cooney Tunnel, Australia	COO	Closed	30.5778S	151.8917E
West Cook Island, Australia	COCO		12.1901S	96.8349E
Copeton, Australia	COPM		29.9178S	150.9347E

Coronation Park, Australia	CORO		41.4522S	147.1450E
CSIRO Animal Health Lab., Australia	GEAM		38.1530N	144.3890E
Dalbeg, Australia	DLBQ		20.1510S	147.2640E
Dalton, Australia	DLN	Closed	34.7233S	149.4817E
Dampier, Australia	DAM		20.6667S	116.6667E
Dartmouth, Australia	DRT		36.5833S	147.4917E
Dartmouth Bedrock, Australia	DDBM		36.5578S	147.5115E
Dartmouth Crest, Australia	DDCM		36.5609S	147.5241E
Dartmouth Digital, Australia	DTMM		36.5293S	147.4686E
Darwin, Australia	DAR		12.4083S	130.8183E
Devil Bend, Australia	DVBM		38.2874S	145.0977E
Docker River, Australia	DOCK	Closed	24.9000S	129.1000E
Doongara, Australia	DNGQ		20.5550S	146.4750E
Dora Dora, Australia	DRAM		35.9654S	147.3754E
Endilloe, Australia	EDO		32.3217S	138.0483E



Eugowra, Australia	EUGM		33.4182S	148.3418E
Fig Tree, Australia	FGTQ		20.9701S	147.7765E
Fish Creek, Australia	FSHM		38.7565S	145.9996E
Fitzroy Crossing, Australia	FITX	Closed	18.1092S	125.5428E
	FITZ		18.1020S	125.6390E
Fitzroy Falls, Australia	FTZM		34.6421S	150.4838E
Forrest, Australia	FORR	Closed	30.8500S	128.1000E
	FORT		30.7790S	128.0590E
	FRTM		38.5337S	143.7160E
Fort Nelson, Australia	FNT	Closed	42.9265S	147.3536E
Geehi, Australia	GEE	Closed	36.4197S	148.1825E
Gees Lookout, Australia	GEES		41.4453S	147.1236E
Giles, Australia	GLS	Closed	25.0353S	128.2956E
Giralia, Australia	GIRL		22.5700S	115.5120E
Gladstone, Australia	GLAD		40.9844S	148.0086E
Glenbawn Dam Accelerograph, Australia	GBAM		32.1114S	150.9993E
Glenbawn Bedrock, Australia	GBBM		32.0925S	150.9725E
Glenmaggie, Australia	GLMM		32.9020S	146.7990E

Glennies Creek Dam, Australia	GLNM		37.3362S	151.2464E
Glenroy, Australia	BGRQ		20.5492S	147.1052E
Greaves Creek, Australia	GRVM		33.6618S	150.3091E
Greenvale, Australia	GVL		37.6183S	144.9000E
Hallett, Australia	HTT		33.4306S	138.9217E
Hall's Lagoon, Australia	HLA	Closed	33.5226S	150.9163E
Hawk's Nest, Australia	HKN		30.0117S	135.1867E
Hexham, Australia	HEXM		37.9280S	142.7780E
Hume Dam, Australia			36.1110S	147.0290E
Inveralochy, Australia	INV	Closed	34.9667S	149.6667E
	IVY		34.9722S	149.7183E
Inverness, Australia	IVSM		36.1338S	147.0681E
Island Lagoon, Australia	ILN		31.3931S	136.8700E
Jenolan, Australia	JNL		33.8257S	150.0219E
Jenolan Black Range, Australia	JBRM		33.7618S	150.0486E
Jeeralang Junction, Australia	JENM		38.3507S	146.4198E

Jindabyne, Australia	JIN	Closed	36.4394S	148.5931E
Kakadu, Australia	KAKA		12.7000S	132.4000E
Kalgoorlie, Australia	KLG	Closed	30.7837S	121.4580E
	KLGA	Closed	30.7175S	121.4383E
Kanangra Walls, Australia	KANM		33.9966S	150.0668W
Karratha, Australia	KAA	Closed	20.7772S	116.8589E
Kavieng, Australia	KAV		2.5733S	150.8167E
Keepit Dam Accelerograph, Australia	KPAM		30.8791S	150.4902E
Keepit Bedrock, Australia	KPTM		30.8851S	150.4819E
Kellerberrin, Australia	KLB		31.5923S	117.7600E
	KLBR		31.5915S	117.7546E
Khancoban, New Britain, Australia	KHA		36.2136S	148.1289E
Kings Tableland, Australia	KTLM		33.8621S	150.3043E
Kowarra, Australia	KOWM		35.7885S	144.5201E
Kowen Forrest, Australia	KOW		35.2883S	149.2983E
Kunmurra, Australia	KNA		15.7500S	128.7667E
Kuranda,	KDA		16.8250S	145.6300E

Australia

Lemonthyme, Australia	LMT	Closed	41.6100S	146.1519E
Lerida, Australia	LER		34.9344S	149.3642E
Letterbox, Australia	LBXM		34.2721S	150.8736E
Lightning Creek, Australia	LGTM		36.7633S	147.4636E
Lostock Dam, Australia	LOSM		32.3304S	151.4456E
Lucas Heights Bedrock, Australia	LHBM		34.0357S	150.9786E
Macedon, Australia	MACM		37.4303S	144.6910E
Macquarie Island, Australia	MQI	Closed	54.5200S	158.9300E
	MACQ			
	MCQ		54.4986S	158.9561E
Mangrove Creek Dam, Australia	MGCO		33.2092S	151.1069E
Manton, Australia	MTN		12.8467S	131.1300E
Marble Bar, Australia	MBL		21.1600S	119.8333E
	MBT	Closed	21.1700S	119.7417E
	MBWA			
Meangora, Australia	MEG		35.1006S	150.0367E
Meekatharra, Australia	MEEK	Closed	26.6378S	118.6145E
	MEK		26.6128S	118.5450E

	MEKA	Closed	26.6142S	118.5336E
Melbourne, Australia	MEL		37.8314S	144.9733E
Mitta Mitta, Australia	MITM		36.7317S	147.6587E
Molesworth, Australia	MLWM		37.1368S	145.5105E
Monteagle, Australia	MEA	Closed	34.2083S	148.3931E
Moondarra Dam, Australia	MDRM		38.0990S	146.3790E
Moonee Ponds, Australia	MPDM		37.7689S	144.9064E
Moorlands, Australia	MOO		42.4417S	147.1903E
Morawa, Australia	MRWA		29.2180S	115.9960E
	MORW		29.0683S	116.0388E
Mount Arapiles, Australia	ARPS		36.7699S	141.8383E
Mount Bingar, Australia	MBA	Closed	34.1250S	146.2372E
Mount Brisbane, Australia	WBMQ		27.1155S	152.5502E
Mount Cooper, Australia	MCPQ		20.5520S	146.8060E
Mount Cotopaxi, Australia	CPXM		34.4765S	150.6248E
Mount Hope, Australia	MHPQ		21.3960S	146.8020E
	HOPM		35.9964S	144.2046E
Mount Isa, Australia	ISQ		20.7150S	139.5533E
	QIS		20.5577S	139.6052E

Mount Read, Australia	MTRD		41.8470S	145.5370E
Mount Tassie, Australia	MTV	Closed	38.4017S	146.5661E
Mount Tassie Tower, Australia	MTLM		38.4015S	146.5642E
Mundaring, Australia	MUN		31.9783S	116.2083E
Nanutarra, Australia	NAU	Closed	22.5442S	115.5000E
	NANU	Closed	22.5620S	115.5290E
Nariel, Australia	NARM		36.4302S	147.8448E
Narrogin, Australia	NWA		32.9269S	117.2339E
	NWAO		32.9069S	117.2339E
Nattai, Australia	NATM		34.2061S	150.4267E
Nedlands, Australia	NDA		31.9750S	115.8167E
Norfolk Island, Australia	NIA	Closed	29.0417S	167.9600E
North Grampians, Australia	GOGM		36.8882S	142.3996E
Partacoona, Australia	PNA		32.0061S	138.8972E
Perth, Australia	PER	Closed	31.9527S	115.8394E
Pindari Dam, Australia	PDDM		29.3801E	151.2429E
Pine Mountain, Australia	WPMQ		27.5357S	152.7355E

Pipehead, Australia	PHDM		33.8470S	150.9690E
Queenstown, Australia	QTN		43.1000S	145.6000E
Quilpie, Australia	QLP		26.5837S	144.2348E
Reedy Creek No. 5, Australia	WRCQ		27.1874S	152.6631E
Riverview, Australia	RIV		33.8294S	151.1583E
Rob Roy, Australia	ROYM		37.6399S	145.2889E
Rocklands Reservoir, Australia	ROKM		37.2420S	141.9550E
Rocky Gully, Australia	RKG		34.5698S	117.0104E
	RKGY		34.6094S	116.9773E
Roma, Australia	RMQ		26.4890S	148.7550E
	RTQ		26.5678S	148.8514E
Roopena, Australia	RPA		32.7250S	137.4033E
Rowsley, Australia	ROWM		37.8058S	144.2915E
Rushworth, Australia	RUSM		36.6642S	144.9473E
St. Mary's, Australia	STMY			
Savage River, Australia	SVR	Closed	41.4667S	145.2167E
Savannah, Australia	SAV		41.7208S	147.1889E
Scott's Peak, Australia	SPK		43.0383S	146.2750E

Seatoun, Australia	STN		41.3167S	174.8000E
Sevenhill, Australia	SNL	Closed	33.8872S	138.6392E
Sheffield, Australia	SFF		41.3375S	146.3075E
South Blackrange, Australia	SBR		35.4250S	149.5333E
Split Rock, Australia	SPRM		30.5748S	150.6877E
Stephens Creek, Australia	STK		31.8817S	141.5917E
	STKA		31.8769S	141.5952E
Strathgordon, Australia	STG		42.8483S	146.2667E
Surrey Hills, Australia	SHYM		37.8260S	145.1100E
Swan View, Australia	SWV		31.8833S	116.0650E
Sydney, Australia	SYD	Closed	33.8667S	151.2000E
Talbingo, Australia	TAO		35.6109S	148.2891E
Talbot Brook, Australia	WA3		32.0517S	116.6433E
Tallowa, Australia	TALM		34.7709S	150.3809E
Tarraleah, Australia	TRR		42.3042S	146.4500E
Tasmania University, Australia	TAU		42.9099S	147.3204E
Tatong,	TATM		36.7747S	146.1061E



Australia

TEC LaTrobe, Australia	TECM		37.7245S	145.0555E
Tennant Creek, Australia	WRAB		19.9333S	134.3502E
Tennyson Woods Observatory, Australia	TWOA			
Thallon Road, Australia	WTRQ		27.5286S	152.4645E
Thomson, Australia	TOMM		37.8085S	146.3497E
Toogoolawah, Australia	WTGQ		27.1458S	152.3333E
Toolangi, Australia	TOO		37.5714S	145.4906E
Townsville, Australia	TVL		19.2617S	146.7683E
Twelvetrees Range, Australia	TWTR			
Ukalunda, Australia	UKAQ		20.8990S	147.1270E
Umberatana, Australia	UMB		30.2400S	139.1281E
Wagin, Australia	WA2		33.2767S	117.3367E
Wambrook, Australia	WAM		36.1928S	148.8833E
Warburton, Australia	WARB	Closed	26.1838S	126.5780E
	WBN	Closed	26.1400S	126.5780E
Warragamba, Bedrock Australia	WGBM		33.8861S	150.5751E

Warragamba Dam Base, Australia	WDBM	33.8850S	150.5940E
Warramunga Array, Site Australia	B0,WB0	19.7671S	134.3927E
	B2,WB2	19.9428S	134.3510E
	B3,WB3	19.9230S	134.3554E
	B4,WB4	19.9035S	134.3591E
	B5,WB5	19.8782S	134.3661E
	B6,WB6	19.8550S	134.3670E
	B7,WB7	19.8408S	134.3792E
	B8,WB8	19.8139S	134.3807E
	B9,WB9	19.7914S	134.3838E
Warramunga Array, Site Australia	R0,WR0	19.9597S	134.5404E
	R1,WR1	19.9426S	134.3394E
	R2,WR2	19.9468S	134.3622E
	R3,WR3	19.9485S	134.3868E
	R4,WR4	19.9503S	134.4065E
	R5,WR5	19.9521S	134.4301E
	R6,WR6	19.9543S	134.4538E
	R7,WR7	19.9552S	134.4759E
	R8,WR8	19.9557S	134.5002E
	R9,WR9	19.9577S	134.5148E
Warramunga Array Beam Reference Point, Australia	WRA	19.9426S	134.3394E

Warramunga Infrasound Array Beam Reference Pt., Australia	WRAI		19.9402S	134.2260E
Warramunga Array, Australia	WRB		19.9595S	134.3394E
	WCB		19.9347S	134.3566E
Watheroo, Australia	WAT	Closed	30.3167S	115.8833E
Werombi, Australia	WER		33.9503S	150.5802E
Willalooka, Australia	WKA		36.4170S	140.3210E
Wivenhoe Hill No. 3, Australia	WWHQ		27.3702S	152.5872E
Woody Point, Australia	WPA	Closed	27.2603S	143.2557E
Wongan Hills, Australia	WA1		30.9098S	116.7283E
Woolibar, Australia	WOOL	Closed	31.1000S	121.7000E
Woomera, Australia	WSA		31.1450S	136.8050E
Woronora, Australia	WRNM		34.1414S	150.9516E
Wyangala, Australia	WYA	Closed	33.9269S	148.9236E
Yerranderie, Australia	YERM		34.1425S	150.2321E
Young, Australia	YOU	Closed	34.2783S	148.3817E
	YNG		34.2996S	148.3952E
Cocos (Keeling)	CCK	Closed	12.2000S	96.9000E

Island,  
Australia

West Island, COCO 12.1901S 96.8349E  
Cocos Islands,  
Australia

Christmas Is., XMI Closed 16.4550S 105.6900E  
Australia

Heard Island, HII Closed 53.0200S 73.3850E  
Australia

Maquarie Island, MACO  
Australia MCQ 54.4986S 158.9561E  
MQI Closed 54.5200S 158.9300E

Norfolk Island, NIA Closed  
Australia

Wilkes, WIL 66.2592S 110.5272E  
Anarctica,  
Australia

## **Austria**

Arzberg, ARSA 47.2505N 15.5232E  
Austria

Arzbevy,  
Austria

Barrage KBA 47.0784N 13.3447E  
Koelnbrein,  
Austria

Conrad CONA  
Observatory,  
Austria

Damuels, DAVA 47.2867N 9.8803E  
Austria

Glashutten, GHA 47.4625N 16.3881E  
Austria

Graz, Austria GRA Closed 47.0767N 15.4483E

Innsbruck, Austria	IBK		47.0767N	11.4483E
	INN	Closed	47.2667N	11.4000E
Klagenfurt, Austria	KFA		46.6483N	14.3278E
Kremsmuenster, Austria	KMR		48.0565N	14.1319E
Leoben, Austria	LTA		47.4033N	15.0761E
Mariazell, Austria	MZA		47.7703N	15.3283E
Molln, Austria	MOA		47.8495N	14.2659E
Moosalm, Austria	MOTA		47.3448N	11.1037E
Obergurgl, Austria	OGA		46.8678N	11.0253E
Obir, Austria	OBKA		46.5092N	14.5489E
Pitten, Austria	PIA		47.7175N	16.1931E
Rosalia, Austria	ROBA			
Sankt Quirin, Austria	SQTA		47.2205N	11.2087E
Schlegeis, Austria	SCE		47.0386N	11.7103E
Vienna-Kobenzl, Austria	VKA		48.2650N	16.3183E
Hohe Warte,	VIE		48.2483N	16.3167E
Walderalm, Austria	WATA		47.3358N	11.5763E
Wattenberg, Austria	WTTA		47.2638N	11.6363E

## **Azerbaijan**

Baku, Azerbaijan	BAK	40.3833N	49.9000E
Cabrayil, Azerbaijan	ISM	40.6700N	47.1750E
Ganca, Azerbaijan	KRV	40.6500N	46.3333E
Ismayhilli, Azerbaijan	ISM	40.6700N	48.2100E
Kuba, Azerbaijan	KUB	41.4000N	48.4000E
Lenkoram, Azerbaijan	LNK	38.7333N	48.8333E
Lokbatan, Azerbaijan	LKB	40.3050N	49.7150E
Mingechaur, Azerbaijan	MGC	40.7000N	41.1000E
Nanhichevan, Azerbaijan	NAK	39.2000N	45.4000E
Ostrov-Zhiloy, Azerbaijan	ZHI	40.3000N	50.6000E
Pirkuli, Azerbaijan	PRLS	40.8000N	48.5000E
Sheki, Azerbaijan	SHKI	41.2030N	47.1810E
Shemakha, Azerbaijan	SHE	40.6333N	48.2000E
Sumqayit, Azerbaijan	SMGA	40.6050N	49.6410E
Zakataly, Azerbaijan	ZKT	41.6000N	46.7000E

## **Bahrain**

Al Areen,	BEE	26.0167N	50.5217E
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## Bahrain

Al Budayii, Bahrain	BBU		26.2150N	50.4567E
Jaww, Bahrain	BJA		25.9917N	50.6083E
Al Muharraq, Bahrain	BMU		26.2350N	50.6600E
Al Muc harraw, Bahrain	BMU		26.2350N	50.6600E
Ar Rifa, Bahrain	BRF		26.0733N	50.5833E

## Bangladesh

Chittgong, Bangladesh	CHT		22.3500N	91.8167E
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## Barbados

Codrington, Barbados	BRB	Closed	13.1220N	59.6060W
5 Glenshane Apartments, Barbados	B5GA		13.0670N	59.5955W
Highclere, Barbados,	BDH		13.2030N	59.5890W
Husbands, Barbados,	BDS		13.1460N	59.6260W

## Baubuda

Barbuda, Barbuda	BWI		17.6550N	61.7900W
Codrington, Barbuda	CPB		17.6400N	61.8260W
East Barbuda OBS, Barbuda	O6A		17.7920N	61.0220W

Highland Field, BWF Barbuda		17.6650N	61.7900W
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## Belarus

Minsk, Belarus NMK		54.5000N	27.8333E
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## Belgium

Dourbes, Belgium	NE06	50.0970N	4.5950E
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	DOU	50.0960N	4.5942E
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Gileppe, Belgium	GIP	Closed	50.5922N	5.9742E
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Membach, Belgium	MEM		50.6092N	6.0066E
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Senefe, Belgium	SNF		50.5086N	4.2833E
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Uccle, Belgium	UCC		50.7983N	4.3594E
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Valkenburg, Belgium	NE15		50.5201N	5.4706E
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Warmifontaine, Belgium	WRM	Closed	49.8333N	5.3806E
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## Bermuda

Columbia, Bermuda	BEC		32.3794N	64.6811W
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Navy, Bermuda	BEN		32.2697N	64.8536W
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## Bolivia

Apacheta, Bolivia	APC		17.3589N	66.0250W
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Bombeo,	BBO		17.6575N	66.4575W
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Bolivia				
Banderani, Bolivia	BOB		16.1443N	68.1329W
Chanca, Bolivia	CNCB		16.8127S	67.9821W
Cochabamba, Bolivia	CCH		17.3482S	66.1342W
Col.Juan XXIII, Bolivia			17.3750N	66.1928W
Collana, Bolivia	BOF		16.9540S	68.3380W
Crr. Ichu Kkolu, Bolivia	IKK		17.2506N	66.3256W
Desaguadero, Bolivia	DSG	Closed	16.5594S	69.0250W
Gloria, Bolivia	BOD		16.6374N	68.5981W
La Paz, Bolivia	LZ-BV	Closed	16.2586S	68.4797W
	LPZ		16.2879S	68.1307W
	LPB		16.5327S	68.0984W
	LPBM		16S	68W
	RTPE			
	LPZ		16.4953S	68.1327W
Mochara, Bolivia	MOCB		21.2504S	65.6380E
Penas, Bolivia	PNS	Closed	16.2672N	68.4733W
Puno, Bolivia	PUN		15.8750S	69.9961W
Riberalta, Bolivia	RTA	Closed	11.0067S	66.0783W

Samaipata, Bolivia	SMB	Closed	18.1667S	63.8500W
San Ignacio de Velasco, Bolivia	SIV		15.9913S	61.0722W
Sicasica, Bolivia	SCS	Closed	17.2847S	67.8153W
Sucre, Bolivia	SUC	Closed	19.0467S	65.2644W
Tarija, Bolivia	TRJ	Closed	21.5131S	64.7761W
Tupiza, Bolivia	TPZ		21.4650S	65.7161W
Warizata, Bolivia	BOG		15.9494N	68.5453W
Zonda, Bolivia	ZON		31.5458S	68.6786W
Zongo, Bolivia	ZOBO		16.2694S	68.1240W

## **Bosnia**

Banja Luka, Bosnia	BLY		44.7488N	17.1839E
Mostar, Bosnia	MST	Closed	43.3500N	17.8167E
Sarajevo, Bosnia	SAR		43.8733N	18.4283E
Travnik, Bosnia	TRA	Closed	44.2167N	17.6833E

## **Botswana**

Lobatse, Botswana LOB	LBTB		25.0145S	25.5970E
Maun, Botswana	MAB			

## Brazil

Altamira, Brazil	ATB	3.2878S	52.2250W
Aqua Vermelha, Brazil	AGVB	19.7394S	50.2331W
Areado, Brazil	AREB	21.3625S	46.1234W
Astolfo Dutra, Brazil	ATDB	21.2900S	42.8606W
Atibaia, Brazil	VAO2	23.2250S	46.5417W
Baldina, Brazil	BLB		
Barbacena, Brazil	BARB	21.2210N	43.8005W
Barra Mansa, Brazil	BMA	22.6950S	44.1536W
Belem, Brazil	BEB	1.4500S	48.4450W
Bom Sucesso, Brazil	BSCB	20.9977S	44.7737W
Brasilia, Brazil	BDF	15.6638S	47.9033W
	BDFB	15.6412S	48.0141W
Brasilia, Brazil	BAE	15.8411S	47.8200W
	BAE1	15.6500S	47.9469W
	BAE2	15.6500S	47.9469W
	BAE3	15.9569S	47.9264W
	BAE4	15.6642S	47.9031W
	BAE5	15.6725S	47.8808W
	BAEE	15.7786S	47.6200W
Brasilia Array, Brazil	BCS*	15.7660S	48.0388W

Brasilia Array, BAO Brazil			15.6349S	47.9915W
Site S1	BAS1		15.6561S	47.9997W
Site S2	BAS2		15.6781S	48.0069W
Site S3	BAS3		15.6986S	48.0147W
Site S4	BAS4		15.7192S	48.0222W
Site S5	BAS5		15.7419S	48.0306W
Site SE	BASE		15.9572S	48.0706W
Site W1	BAW1		15.6283S	48.0128W
Site W2	BAW2		15.6214S	48.0186W
Site W3	BAW3		15.6128S	48.0575W
Site W4	BAW4		15.6053S	48.0794W
Site WE	BAWE		15.5911S	48.0806W
Brasopolis, Brazil	BRAS		22.5353N	45.5854W
Caconde, Brazil	CACB		21.6802S	46.7326W
Caico, Brazil	CAI		6.5260S	37.1380W
Campos, Brazil	CMPB		21.7840S	41.4291W
Carmo Cajuro, Brazil	CJB			
Carmo do Cajuro, Brazil	CJB			
Carno do Cajuro, Brazil	CDCB		20.2365S	44.7182W
Currais, Brazil	RGNB			
Fernando de noronha,	FNDO	Closed	23.8333S	32.4167W

Brazil

Rio Grande do Norte, Brazil RCBR

Foz do Areia, Brazil	FDA	25.9869S	51.5153W
	FDA4	26.1670S	51.7700W
	FDA5	26.1498S	51.4552W

Guaraci Nunes, Brazil GNB

Guarapari, Brazil	CAM3	20.7288S	40.5222W
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Igarata, Brazil	IGAB	23.2525S	46.1165W
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Ipanguacu, Brazil	IPA	5.6958S	36.8561W
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Itaparica, Brazil	ITR	8.7614S	38.4233W
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Itaipu, Brazil	ITB	24.7936S	54.2089W
	ITB1	24.6467S	54.3886W
	ITB7	25.1222S	54.1753W
	ITR2		
	ITR3		
	ITR5		

Itatiaia, Brazil	ITA	22.3756S	44.7017W
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Juiz de Fora, Brazil	JFO	21.7277S	43.3254W
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Macaé, Brazil	CAM1	22.3978S	41.8338W
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Manso, Brazil	MSB	14.8864S	55.8172W
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Natal, Brazil	NAT	5.8678N	35.2845W
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Natividade, Brazil	NATB	21.0550S	42.0040W
Paraibuna, Brazil	PARB PRB	23.3382S	45.6217W
Pedro do Cavalo Reservoir, Brazil	PDCR	12.5313S	39.1225W
Pico do Areia, Brazil	PARE		
Pico do Caspar, Brazil	PGAS		
Pitinga, Brazil	PTGA	0.7308S	59.9666W
Porto Allegre, Brazil	UFRS	30.0540S	51.1244W
Porto Murtinho, Brazil	PTMB	21.4631S	57.4756W
Porto Primavera, Brazil	POPB	22.4565S	52.8368W
Presidente Prudente, Brazil	PPD	22.0314S	51.3119W
Riachuelo, Brazil	RCBR		
Rifaina, Brazil	RIFB	20.0737S	47.5019W
Rio Branco, Brazil	RIOB	10.1501S	67.7470W
Rio de Janeiro, Brazil	RDJ	22.8950S	43.2233W
Sao Paulo, Brazil	SPB	22.5920S	47.4320W

Samuel, Brazil	SRB	8.833SS	63.4717W
	AML	8.9486S	63.1814W
Sao Simao, Brazil	SIB		
Sobradinho (Sovela), Brazil	SOB	9.2888S	41.1694W
Serra	SOB1	9.2089S	40.8948W
Sao Goncalo	SOB2	9.5684S	40.9611W
Tapuio	SOB3	9.7709S	41.2638W
Grosador	SOB4	9.3426S	41.4842W
Socorro, Brazil	VA03	22.5770S	46.4400W
Tijuco Alto, Brazil	RSTA	24.6508S	49.0327W
Tres Rios, Brazil	TRRB	22.1541S	43.1955W
Trindade, Brazil	TRIN		
Trindade Island, Brazil	TDB		
Tujuca Alto, Brazil	RSTA	24.6508S	49.0327W
Tucurui, Brazil	TCB		
Valinhos, Brazil	VAO	23.0022S	46.9658W
Vassouras, Brazil	VASS	22.3994S	43.6522W
Xingo, Brazil	XIN	9.4483S	37.8364W

## **Bulgaria**

Dimitrovgrad, Bulgaria	DIM	42.0500N	25.5333E
Krupnik, Bulgaria	KKB	41.8667N	23.0833E
Kurdzhali, Bulgaria	KDZ	41.6500N	25.4167E
Musomishta, Bulgaria	MMB	41.5892N	23.7298E
Panagyurishte, Bulgaria	PGB	42.5500N	24.1667E
Pavlikeni, Bulgaria	PVL	43.2167N	25.3333E
Plovdiv, Bulgaria	PLD	42.1049N	24.7031E
Preselemtsi, Bulgaria	PSN	43.6822N	28.1836E
Rozhen, Bulgaria	RZN	41.6880N	24.7160E
Sofia, Bulgaria	SOF	42.6853N	23.3342E
Strazhitsa, Bulgaria	SZH	43.2667N	25.9333E
Vitosha, Bulgaria	VTS	42.5916N	23.2082E
Yambol, Bulgaria	JMB	42.4667N	26.5833E

## **Burundi**

Bujumbira, Burundi	BJM		
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## **Camaroon**



Bambui, Camaroon	BNC		6.0160N	10.2800E
Batoke, Camaroon	BTE		4.0480N	9.0870E
Bokosso, Camaroon	BKO		4.4180N	9.1410E
Ekona, Camaroon	EKC		4.2100N	9.3270E
Founbot, Camaroon	FBT		4.6530N	9.4130E
Kompina, Camaroon	KMC		4.3860N	9.5780E
Kumba, Camaroon	KBC		4.6530N	9.4130E
Mount Camaroon, Camaroon	MOC	Closed	4.2870N	9.2170E
	MOKC		4.2583N	9.2500E
N'Gaoundere, Camaroon	NGC		7.2617N	13.5683E
Yaounde, Camaroon	YND		3.8700N	11.4600E

## Canada

### ALBERTA

Alberta, Canada	ORGA		49.5539N	114.1008W
Banff, Alberta, Canada	BAN	Closed	51.1717N	115.5583W
Coleman Alberta, Canada	CLM	Closed	49.6350N	114.5200W
Edmonton, Alberta, Canada	EDM		53.2217N	113.3500W
Ethyl Lake Duckett, Alberta, Canada	ELD	Closed	54.5358N	110.3325W

Jasper, Alberta, Canada	JP-AT Closed	52.8972N	118.0903W
Keg River, Alberta, Canada	KV-AT Closed	56.8303N	117.3239W
Suffield, Alberta, Canada	SES	50.3958N	111.0417W
Turtle Mountain, Alberta, Canada	TMDA	49.5811N	114.3992W
Waterton Lakes, Alberta, Canada	WALA	49.0586N	113.9115W
Waterways, Alberta, Canada	WS-AT Closed	56.6594N	111.2686W

**BRITISH COLUMBIA**

British Columbia	EPMB Closed	51.0633N	118.5400W
Alberni, British Columbia, Canada	ALB	49.2717N	124.8300W
Attachie, British Columbia, Canada	ATC Closed	56.2300N	121.4500W
Barry Inlet, British Columbia, Canada	BNB	52.5758N	131.7522W
Bella Bella, British Columbia, Canada	BBB	52.1847N	128.1133W
Bennett Dam, British Columbia,	BDBC	56.1742N	122.2825W

Canada

Blue River, British Columbia, Canada	BLBC	52.0434N	119.2411W
Bonilla, British Columbia, Canada	BNAB	53.4933N	130.6372W
Bob Quinn Lake, British Columbia, Canada	BQB	57.0227N	111.2403W
Bowen Island, British Columbia, Canada	BIB	49.4060N	123.3060W
Brook Peninsula, British Columbia, Canada	BPBC	50.1572N	127.7708W
Bull Mountain, British Columbia	BMBC		
Buttle Lake, British Columbia, Canada	BTB	49.4683N	125.5214W
Cache Creek, British Columbia, Canada	CK-BC Closed	50.8253N	121.3278W
Campbell River, British Columbia, Canada	CBB	50.0328N	125.3653W
Cape Saint James, British Columbia,	SJB	51.9367N	131.0144W

Canada

Chetwynd, British Columbia, Canada	CTC	Closed	55.6417N	121.7500W
Chewa, British Columbia, Canada	QVP		14.6230N	121.0040E
	CWB		53.1581N	131.9967W
Cusp Creek, British Columbia, Canada	CCC	Closed	56.1233N	122.3000W
Dawson Inlet, British Columbia, Canada	DAWS		53.2340N	132.4780W
Dease Lake, British Columbia, Canada	DLB		58.4267N	130.0600W
	DLBC		58.4372N	130.0272W
Downey Peak Ridge, British Columbia, Canada	DPRB	Closed	51.5750N	118.1967W
Downie Slide, British Columbia, Canada	DOWB	Closed	51.5183N	118.5162W
Eliza Dome, British Columbia, Canada	EDB		49.8737N	127.1198W
Estevan Point, British Columbia, Canada	EPMB		51.0633N	118.5400W
	ETB		549.3763N	126.5380W
Federal Ranch, British	FRC	Closed	56.4417N	122.3833W

Columbia, Canada					
Fernie, British Columbia, Canada	FRN	Closed	49.4833N	114.9767W	
Finlay Fork, British Columbia, Canada	FNC	Closed	55.9917N	123.2500W	
Forrest Kerr, British Columbia, Canada	EKBC		56.7847N	130.6181W	
Fort McCloud, British Columbia, Canada	FT-BC	Cloud	54.9136N	122.8822W	
Fort Nelson, British Columbia, Canada	FL-BC	Closed	58.8606N	122.8364W	
	FNBC		58.8418N	122.5737W	
Fort St. James, British Columbia, Canada	FSB		54.4767N	124.3283W	
	FSJ	Closed	54.4633N	124.2800W	
Ganzales, British Columbia, Canada	UGZ		48.4139N	123.3244W	
Gold River, British Columbia, Canada	GDR		49.7810N	126.0319W	
Goldstream Park, British Columbia, Canada	GSTB	Closed	51.6600N	118.6850W	
Goliano Island, British	GOB		49.0122N	123.5833W	

Columbia,  
Canada

Haney, British HYC Closed 49.2656N 122.5731W  
Columbia,  
Canada

Holberg, HOLB 34.6405N 139.1318W  
British  
Columbia,  
Canada

Horseshoe Bay, HBC Closed 49.3775N 123.2758W  
British  
Columbia,  
Canada

Kano Inlet, KANO 53.2883N 132.6175W  
British  
Columbia,  
Canada

Kelsey Bay, KBB 50.3847N 126.0275W  
British  
Columbia,  
Canada

Langara Island, LIB 54.2558N 133.0583W  
British  
Columbia,  
Canada

Lillooet, LLL Closed 50.6950N 121.9167W  
British  
Columbia,  
Canada

Malibu, MABC 50.1647N 123.8557W  
British  
Columbia,  
Canada

Masset, MSTB 54.0033N 132.1181W  
British  
Columbia,  
Canada

Maynard, MAYB 50.4025N 127.1717W  
British  
Columbia,

Canada

Merritt, British Columbia, Canada	ME-BC Closed	50.1058N	120.6656W
Mica Creek, British Columbia, Canada	MCL Closed MCE Closed	52.0517N 52.0033N	118.5853W 118.5617W
100 Mile House, British Columbia, Canada	HM-BC Closed	51.6550N	121.4756W
Moresby Island, British Columbia, Canada	MOBC	53.1969N	131.8983W
Mountain Creek, British Columbia, Canada	FALL	53.2780N	132.4601W
Mount Cartier, British Columbia, Canada	CARB Closed	50.9000N	118.0533W
Mount Dainard, British Columbia, Canada	MMB	52.1897N	118.3833W
Mount Gray, British Columbia, Canada	MGB	49.0000N	124.6920W
Mount Ozzard, British Columbia, Canada	OZB	48.9603N	125.4928W
Mount Thompson, British Columbia,	THOB Closed	52.6900N	119.1217W

Canada

Muncho Lake, British Columbia, Canada	MUB		58.9550N	125.7567W
Naden, British Columbia, Canada	NDB		53.9550N	132.9417W
Nanaimo, British Columbia, Canada	NAB		49.2225N	124.0036W
Newcastle Ridge, British Columbia, Canada	NCRB		50.4035N	126.0553W
Ocean Falls, British Columbia, Canada	OFB		52.3540N	127.6843W
Pacific Geo- Science Ctr, British Columbia, Canada	PGC		48.6500N	123.4508W
Pemberton, British Columbia, Canada	PMB		50.5188N	123.0765W
Pender Island, British Columbia, Canada	PIB	Closed	48.8167N	123.3167W
Penticton, British Columbia, Canada	PNT		49.3167N	119.6167W
Pine Pass, British	PPC	Closed	55.4000N	122.6167W



Columbia, Canada			
Pleasant Camp, PLBC British Columbia, Canada		59.4567N	136.3650W
Pore, British Columbia, Canada			
Port Clements, PCB British Columbia, Canada		53.7061N	132.5675W
Port Hardy, PHC British Columbia, Canada		50.7067N	127.4317W
Port Renfrew, PFB British Columbia, Canada		48.5717N	124.4400W
Prince George, PG-BC Closed British Columbia, Canada		53.9972N	122.5231E
	PG2BC Closed	53.9911N	122.5122E
Prince Rupert, RUB British Columbia Canada		54.3262N	130.2847W
Princeton, PD-BC Closed British Columbia, Canada		49.3922N	120.4764W
Queen Charlotte, British Columbia, Canada	QCC	53.2550N	132.0883W
Quesnel, British	QN-BC Closed	52.9569N	122.3958W

Columbia, Canada				
Sale Mountain, British Columbia Canada	SLEB		51.1667N	118.1333W
Sandspit, British Columbia, Canada	SSQ	Closed	53.2500N	131.8167W
Saturna Island, British Columbia Canada	SNB		48.7750N	123.1708W
Sechelt, British Columbia, Canada	SHB		49.5972N	123.8750W
Shields Creek, British Columbia, Canada	CLAP		53.3217N	132.4110W
Skidegate, British Columbia, Canada	SKB		53.2478N	131.9963W
Smithers, British Columbia, Canada	SI-BC	Closed	54.7883N	127.0714W
Survey Creek, British Columbia, Canada	SURV		53.4033N	132.1250W
Tabernacle Mountain, British Columbia, Canada	TABB	Closed	51.7500N	117.7617W
Tasu, British	TSB		52.7650N	132.0333W

Columbia, Canada					
Telegraph Creek, British Columbia, Canada	TCBC		57.9231N	131.2819W	
Texada, British Columbia, Canada	TXB		49.6969N	124.4360W	
University of British Columbia, Canada	UBC				
Van Inlet, British Columbia, Canada	VIB		53.2522N	132.5406W	
Vedder Mountain, British Columbia, Canada	VDB		49.0261N	122.1028W	
Victoria, British Columbia, Canada	VIC	Closed	48.5194N	123.4153W	
Watts Point, British Columbia, Canada	WPB		49.6570N	123.2095W	
Wells Gray, British Columbia, Canada	WGB	Closed	52.1020N	119.4650W	
Whistler, British Columbia, Canada	WHB		50.1281N	122.9553W	
White Rock,	WKB		49.0436N	122.8181W	

British  
Columbia,  
Canada

Williams Lake, WK-BC Closed            52.1786N    121.9817W  
British  
Columbia,  
Canada

Watts Point,        WPB                            49.6570N    123.2095W  
British  
Columbia,  
Canada

Windy Craggy,    WCB Closed                    59.6278N    137.7160W  
British  
Columbia,  
Canada

Woss, British    WOSB                            50.1607N    126.5704W  
Colummbia,  
Canada

Yakoun River,    QURY                            53.3763N    132.2225W  
British  
Columbia,  
Canada

**MANITOBA**

Churchill,        CH-MT Closed                58.6069N    93.8167W  
Manitoba,  
Canada

East Braintree, EB-MT Closed            49.6278N    95.6222W  
Manitoba,  
Canada

Flin Flon,        FFC                            54.7250N    101.9783W  
Manitoba,  
Canada

Fort Churchill, FCC                    58.7617N    94.0867W  
Manitoba,  
Canada

Lac du Bonnet, ULM                    50.2497N    95.8750W  
Manitoba,  
Canada

Pinawa, Manitoba, Canada	PWM	Closed	50.1919N	96.0364W
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**NEW BRUNSWICK**

Caledonia Mountain, New Brunswick, Canada	LMN		45.5107N	64.4821W
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New Brunswick  
Canada

Early Rise218,	ER218		47.4047N	68.3417W
219,	ER219	Closed	47.2181N	68.9167W
220,	ER220	Closed	47.0175N	68.7278W
221,	ER221	Closed	47.9122N	68.3647W
222,	ER222	Closed	47.8806N	68.9761W
223,	ER223	Closed	47.8133N	68.6133W
224,	ER224	Closed	47.5922N	68.2322W
225,	ER225	Closed	47.5383N	68.8464W
226,	ER226	Closed	47.3369N	68.5950W
227,	ER227	Closed	47.1961N	68.1625W
228,	ER228	Closed	47.1475N	68.9058W
229,	ER229	Closed	47.0150N	68.5217W
230,	ER230	Closed	47.9686N	68.1742W
231,	ER231	Closed	47.8667N	68.8197W
232,	ER232	Closed	47.7489N	68.4486W
234,	ER234	Closed	47.5922N	68.7147W
235,	ER235	Closed	47.5986N	68.3006W
236,	ER236	Closed	47.5822N	68.9044W

237, ER237	Closed	47.6264N	68.5583W
238, ER238	Closed	47.6239N	68.2200W
239, ER239	Closed	47.6617N	68.8392W
241, ER241	Closed	47.0281N	68.2061W
Caledonia Mountain, New Brunswick, Canada	LMN	45.8520N	64.8060W
Saint George, New Brunswick, Canada	GGN	45.1200N	66.8200W
University of New Brunswick, New Brunswick, Canada	UNB	45.7795N	66.6642W
Fredericton, New Brunswick, Canada	UNB	45.7795N	66.6442W
McKendrick Lake, New Brunswick, Canada	KLN	46.8433N	66.3717W

**NEWFOUNDLAND**

Corner Brook, Newfoundland, Canada	CBK	48.9197N	57.9697W
Deer Lake, Newfoundland, Canada	DRLN	49.2560N	57.5042W
Parkers Pond, Newfoundland, Canada	PKN	47.5858N	52.7833W
Saint John's, Newfoundland, Canada	STJ Closed	47.5717N	52.7328W
	STJN	47.5699N	52.7560W
Shefferville,	SV2QBC Closed	54.8150N	66.7586W

Newfoundland,  
Canada  
Newfoundland,  
Canada

SV3QB	Closed	54.8108N	66.7500W
SCH	Closed	54.8167N	66.7833W
SCHQ		54.8319N	66.8336W

**NORTHWEST TERRITORIES  
(NUNAVIT)**

Alert,  
Nunavut,  
Canada

ALE		82.5033N	62.3500W
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Baker Lake,  
Nunavut,  
Canada

BLC		64.1900N	96.0100W
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Baker Lake,  
Nunavut,  
Canada

BLC		64.3167N	96.0167W
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Cambridge Bay  
Array Site

1	CB01	69.1760N	105.2093W
2	CB02	69.1939N	105.1457W
3	CB03	69.1620N	105.1299W
4	CB04	69.1483N	105.1999W
5	CB05	69.1592N	105.2594W
6	CB06	69.1885N	105.2779W
7	CB07	69.2033N	105.2156W
8	CB08	69.2228N	105.1513W
9	CB09	69.2125N	105.0797W
11	CB11	69.1509N	105.0547W
12	CB12	69.1371N	105.1172W
13	CB13	69.1183	105.1862W

14	CB14		69.1305N	105.2570W
15	CB15		69.1426N	105.3316W
16	CB16		69.1722N	105.3412W
17	CB17		69.1991N	105.3583W
18	CB18		69.2125N	105.2905W
19	CB19		69.2322N	105.2324W
31	CB31		69.1266N	105.1120W
32	CB32		69.2420N	105.5848W
33	CB33		69.3894N	105.2630W
34	CB34		69.2688N	105.8210W
35	CB35		69.2628N	105.2073W
Cambridge Bay Beam Reference Point, Nunavut Canada	CBAR		69.1266N	105.1120W
Coppermine, Nunavut, Canada	CMC	Closed	67.8333N	115.0833W
Fort Simpson, Nunavut, Canada	FST	Closed	61.8400N	121.2750W
	FST1	Closed	61.7578N	121.2589W
Frobisher Bay, Nunavut, Canada	FBC	Closed	63.7333N	68.4667W
Igloolik, Nunavut, Canada	IGL		69.3767N	81.8067W
Inuvik, Nunavut, Canada	INK		68.3067N	133.5200W
Mould Bay, Nunavut, Canada	NP-NT	Closed	76.2522N	119.3717W



	MBC		76.2417N	119.3600W
Nicholson Point, Nunavut, Canada	NPT		69.9272N	128.9629W
Resolute, Nunavut, Canada	RES		74.6867N	94.9000W
Sachs Harbor, Nunavut, Canada	SWT	Closed	71.9933N	125.2833W
	SXT		71.9892N	125.2397W
Tuktoyaktuk, Nunavut, Canada	TKT		69.4325N	132.9958W
	TUK	Closed	69.4400N	133.0283W
Yellowknife, Nunavut, Canada	RSNT	Closed	62.4797N	114.5917W
Array	YKA		62.4392N	114.6053W
	YKB0		62.6059N	114.6050W
	YKB1		62.4024N	114.6054W
	YKB2		62.4248N	114.6054W
	YKB3		62.4486N	114.6052W
	YKB4		62.4711N	114.6049W
	YKB5		62.4932N	114.6053W
	YKB6		62.5165N	114.6050W
	YKB7		62.5390N	114.6053W
	YKB8		62.5616N	114.6047W
	YKB9		62.5829N	114.6039W
Yellowknife, Canada	YKC		62.4783N	114.4733W
Array	YKR0		62.4931N	114.5086W
	YKR1		62.4927N	114.9456W

	YKR2	62.4928N	114.8964W	
	YKR3	62.4930N	114.8477W	
	YKR4	62.4928N	114.7995W	
	YKR5	62.4933N	114.7499W	
	YKR6	62.4933N	114.7014W	
	YKR7	62.4934N	114.6537W	
	YKR9	62.4932N	114.5558W	
Site W1	YKW1	62.4932N	114.5086W	
	W2	YKW2	62.4248N	114.6054W
	W3	YKW3	62.5608N	114.6164W
	W4	YKW4	62.4922N	114.7419W

**NOVA SCOTIA**

Early Rise, Nova Scotia	ER231	45.8667N	63.8197W
	ER232	45.7489N	63.4486W
	ER234	45.5922N	62.7147W
	ER235	45.5986N	62.3006W
	ER236	45.5822N	61.9044W
	ER237	45.6264N	61.5583W
	ER238	45.6239N	60.2200W
	ER239	45.6617N	60.8392W
	ER241	46.0281N	60.2661W
	ER242	46.1606N	59.9367W
Guysborough, Nova Scotia, Canada	GBN	45.4070N	61.5130W

Halifax, Nova Scotia, Canada HAL 44.6377N 63.5920W

Mavillette, Nova Scotia, Canada MVN

**ONTARIO**

Acton, Ontario, Canada ACTO 43.6088N 80.0626W

Bruce Peninsula, Ontario, Canada BRCO 44.2439N 81.4429W

Burlington, Ontario, Canada BUO 43.3617N 79.7450W

Chalk River, Ontario, Canada CKO 45.9944N 77.4500W  
CRLO 46.0375N 77.3801W

Chats Falls, Ontario, Canada CFO Closed 45.4692N 46.2292W

Dane, Ontario, Canada DAN Closed 48.0667N 80.0167W

Delaware, Ontario, Canada DLA 42.8583N 81.5733W

Downsview, Ontario, Canada DVO 43.7833N 79.5167W

Eldee, Ontario, Canada EEO 46.6411N 79.0733W

Effingham, Ontario, Canada EFO 43.0917N 79.3117W

Elginfield, Ontario, Canada ELF 43.1933N 81.3150W

Elliot Lake, Ontario, Canada	ELLO		46.3832N	82.6639W
Early Rise, Ontario, Canada	ER101	Closed	47.9297N	83.1364W
	ER102	Closed	48.1019N	82.6036W
	ER103	Closed	48.2264N	82.1694W
	ER104	Closed	48.3378N	81.7542W
	ER105	Closed	48.4878N	81.2706W
	ER106	Closed	48.5383N	80.7681W
	ER107	Closed	48.5386N	80.2775W
	ER108	Closed	48.5333N	29.8642W
Espanola, Ontario, Canada	ES-ON	Closed	46.3189N	81.7928W
Fitzroy Harbor, Ontario, Canada	FHO	Closed	45.4550N	76.2170W
Geraldton, Ontario, Canada	GTO		49.7450N	86.9617W
Hamilton, Ontario, Canada	HML	Closed	43.2500N	79.8500W
Hudson, Ontario, Canada	HUO		50.0806N	92.0981W
Kapuskasing, Ontario, Canada	KAO	Closed	49.4483N	82.4850W
	KAPO		49.4504N	82.5079W
Kirkland Lake, Ontario, Canada	KLC	Closed	48.1447N	80.0292W
Lac du Bonnet, Ontario, Canada	ULM		50.2497N	95.8750W

Lakehead Univ., LHC Closed Ontario, Canada		48.4167N	89.2667W
London, LDN Closed Ontario, Canada		43.0400N	81.1833W
Mattawa, MW-ON Closed Ontario, Canada		46.2753N	78.5717W
Ottawa, OTT Ontario Canada		45.3939N	75.7158W
Mattawa, MW-ON Closed Ontario, Canada		46.2753N	78.5717W
Red Lake, RK-ON Closed Ontario, Canada		50.8389N	93.6722W
	RSON Closed	50.8589N	93.7022W
Sadowa, SADO Ontario, Canada		44.7694N	79.1417W
Saint Catherines, ntario, Canada	STCO	43.2084N	79.1707W
Sault Sainte Marie, Ontario, Canada	SL-ON Closed	46.6372N	84.3506W
Scarborough, SCB Closed Ontario, Canada		43.7167N	79.2333W
Sioux Lookout, SXO Closed Canada		50.0917N	91.9983W
	SOO	50.0762N	91.8880W
	SOLO	50.0213N	92.0812W
Sudbury, SWO Ontario,Canada		46.7328N	80.9994W
	SWXO	46.5971N	81.2778W
	SZO	46.4381N	81.4961W

	SUD		46.4667N	80.9667W
	SUO		46.4027N	81.0068W
Temiskaming, Ontario, Canada	TMK		46.6067N	79.0667W
Thunder Bay, Ontario, Canada	TBO		48.6473N	89.4083W
Toronto, Ontario, Canada	TNT	Closed	43.6667N	79.4000W
Tyneside, Ontario, Canada	TYNO		43.0948N	79.8703W
Welcome, Ontario, Canada	WEO		44.0186N	78.3744W
Wesleyville, Ontario, Canada	WLVO		43.9234N	78.3973W
Williamsburg, Ontario, Canada	WBO		45.0003N	75.2750W
Windsor, Ontario, Canada	WNR	Closed	42.2583N	83.1056W
Baie Comeau, Ontario, Canada	CNQ		49.3022N	68.0744W

**QUEBEC**

Buckingham, Quebec, Canada	BU-QB		45.7675N	75.5403W
Chicoutimi, Quebec, Canada	CIQ		48.2723N	70.7908W
Charlesbourg, Quebec, Canada	CHQ	Closed	46.8897N	71.3000W
Clarke City, Quebec, Canada	SMQ		50.2225N	66.7028W
Early Rise, Quebec, Canada	ER108	Closed	48.5333N	79.8642W
	ER109	Closed	48.7975N	79.3572W

ER110	Closed	48.8636N	78.8636W
ER111	Closed	48.6225N	78.3106W
ER112	Closed	48.6964N	77.9039W
ER113	Closed	48.8361N	77.4203W
ER114	Closed	49.1194N	77.0067W
ER115	Closed	49.3811N	76.5378W
ER116	Closed	49.5914N	76.0267W
ER117	Closed	49.8236N	75.6000W
ER118	Closed	49.8206N	75.1281W
ER119	Closed	49.7906N	74.6381W
ER120	Closed	49.9247N	74.2583W
ER201	Closed	49.5947N	74.2772W
ER202	Closed	49.3533N	74.0381W
ER203	Closed	49.1858N	73.6717W
ER204	Closed	49.0400N	73.3633W
ER205	Closed	48.8747N	72.9336W
ER207	Closed	48.5564N	72.3456W
ER208	Closed	48.4097N	71.9767W
ER209	Closed	48.4856N	71.6039W
ER210	Closed	48.3447N	71.1467W
ER211	Closed	48.2758N	70.7978W
ER212	Closed	48.1725N	70.2931W
ER213	Closed	48.0150N	70.0728W
ER215	Closed	47.8044N	69.4231W
ER216	Closed	47.6272N	69.0097W

	ER217	Closed	47.4864N	68.6633W
Gentilly, Quebec, Canada	GNT		46.3628N	72.3722W
Glen Almond, Quebec, Canada	GAC		45.7033N	75.4833W
Grand Remous, Quebec, Canada	GRQ		46.6067N	75.8600W
Great Whale River, Quebec Canada	GWC	Closed	55.2917N	77.7533W
Grosses Roche, Quebec, Canada	GSQ		48.9100N	67.1100W
Hauterive, Quebec, Canada	HTQ		49.1917N	68.3939W
Holland Mills, Quebec, Canada	HMC	Closed	45.7583N	75.6483W
Kuujjuuaq, Quebec, Canada	KUQ		58.1090N	68.4113W
Lac Duran, Quebec, Canada	DAQ		47.9644N	71.2425W
La Grande, Quebec, Canada	LAQ		53.8073N	77.0200E
	LBQ		53.5360N	77.3540W
	LCQ		53.5410N	76.9730W
	LDQ		53.8060N	77.4280W
La Grande 2, Quebec, Canada	LGQ		53.6920N	77.7250W
La Grande 3, Quebec, Canada	LXQ		53.7223N	76.0222W
	LTQ	Closed	53.7017N	76.0850W
	LRQ		53.7014N	76.0589W
	JCQ	Closed	53.4672N	75.8242E



	JBQ	Closed	53.6103N	75.6053W
	JAQ	Closed	53.8022N	75.7211E
La Grande 4, Quebec, Canada	KAQ		53.9833N	73.5231W
	KBQ		53.9778N	73.2850W
	KCQ		53.8328N	73.1319W
	LQQ		53.8458N	73.4883W
	LG4Q		53.2629N	74.0972W
La Malbaie, Quebec, Canada	LMQ		47.5483N	70.3267W
La Pocatiere, Quebec, Canada	POC	Closed	47.3644N	70.03267
	LPQ		47.3408N	70.0094W
Manicouagan, Quebec, Canada	MNQ		50.5333N	68.7744W
Maniwaki, Quebec, Canada	MIQ	Closed	46.3667N	75.9667W
Misere, Quebec, Canada	A54		47.4567N	70.4125W
Montreal, Quebec, Canada	MNT		45.5025N	73.6231W
Mount Orford, Quebec, Canada	MOQ		45.3120N	72.2541W
Mont Tremblant, Canada	TRQ		46.2222N	74.5556W
Pointe aux Anglais, Quebec, Canada	ICQ		49.5217N	67.2719W
Poste de la Baleine, Quebec Canada	PBQ		55.2767N	77.7433W
Quebec, Canada	QCQ		46.7789N	71.8336W

Riviere Ouelle, A16 Quebec, Canada		47.4706N	70.0064W
St. Andre, A21 Quebec, Canada		47.7036N	69.6897W
Saint Hilarion, SHQ Quebec, Canada		47.6034N	70.4009W
Saint Jean de Piles, DPQ Quebec, Canada		46.6805N	72.7773W
Saint Louis du Ha Ha, SLQ Quebec, Canada		47.6662N	69.0103W
Sainte Mathilde, A61 Quebec, Canada		47.6931N	70.0900W
Schefferville, SCHQ Quebec, Canada		54.8319N	66.7783W
	SCH Closed	54.8167N	66.7833W
	SV2QB Closed	54.8150N	66.7586W
	SV3QB Closed	54.8108N	66.7500W
St. Roch-des-Aulnaies, A11 Quebec, Canada		47.2425N	70.1978W
Saint Simeon, A64 Quebec Canada		47.8264N	69.8922W
Sept-Iles, SIC Quebec, Canada		50.1717N	66.7383W
Seven Falls, SFA Quebec, Canada	Closed	47.1233N	70.8267W
Shawinigan Falls, SHF Quebec, Canada	Closed	46.5517N	72.7633W
Sherbrooke, SBQ Quebec, Canada		45.3783N	71.9264W
Sorel, SO-QB Quebec, Canada	Closed	45.7550N	72.2550W

Canada

Temiskaming, Quebec, Canada	TMK		46.6667N	79.0667W
Val d'Or, Quebec, Canada	VDQ		48.2300N	77.9717W
Ville Marie, Quebec, Canada	VMC	Closed	47.3167N	79.4500E
Big Muddy Lake, Saskatchewan, Canada	BMS		49.2117N	104.7933W
Saskatoon, Saskatchewan, Canada	SAS	Closed	52.1333N	106.6333W

**YUKON TERRITORY**

Burwash Landing, Yukon Territory, Canada	BH-YK	Closed	61.3706N	139.1414E
Dawson, Yukon Territory, Canada	DAWY		64.0655N	139.3909W
Dawson City, Yukon Territory, Canada	DWY		64.0533N	139.4317W
Dezadeash Lake, Yukon Territory, Canada	DLY	Closed	60.3700N	137.0650W
Haines Junction, Yukon, Territory, Canada	HYT		60.8250N	137.5037W
Kluane, Yukon, Territory, Canada	KEY	Closed	61.0500N	138.5017W
Koidern River,	KRY	Closed	61.9700N	140.4083W

Yukon Territory,  
Canada

Komakuk Beach, Yukon, Canada	KBT		69.5936N	140.1822W
Shingle Point, Yukon, Canada	SPY		68.9920N	137.2600W
Silver City, Yukon, Canada	SIY		61.0317N	138.4067W
Tuktoyaktuk, Yukon, Canada	TUK		69.2624N	133.0142W
Yakutat, Yukon, Canada	YKT	Closed	59.3686N	138.8772W
	YKU		59.5531N	138.7286W
Watson Lake, Yukon, Canada	WL-YK	Closed	60.1167N	128.7644W
White Horse, Yukon, Canada	WHC	Closed	60.7367N	135.0983W
	WH-YK	Closed	60.7342N	128.1492W
	WH2YK	Closed	60.6947N	134.9672W
	WHY		60.6597N	134.8807W

## Cape Verde

Santiago Is., Cape Verde	SACV		14.9700N	23.6083E
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## Central African Republic

Bangui, Central African Republic	BNG		4.4350N	18.5467E
	BCAO	Closed	4.4335N	18.5353E
Bogoin, Central African, Republic	BGCA		5.1761N	18.4242E

## Chad

Abeche, Chad	ABC	Closed	13.8272N	20.8444E
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## Chile

Alicahue, Chile	ALH		32.3700S	70.7928W
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Angol, Chile	ANGC		37.7833N	72.7083W
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Antofagasta, Chile	ANT		23.7050N	70.4153W
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	ANCH		23.6820S	70.4100W
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Arica, Chile	ARI		18.5294S	70.1679W
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Lo Barnechea, Chile	BACH		33.3528S	70.4917W
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Cacique Ariacaiquin, Chile	RTAS			
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Calama, Chile	CAC		22.4799S	69.0261W
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Caldera, Chile	CLD	Closed	27.0833S	70.9333W
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Las Campanas Astronomical Observatory, Chile	LCO		29.0111S	70.7010W
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El Canelo, Chile	CACH		34.1170S	70.6000W
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Catapilco, Chile	CTP		32.5717S	71.3117W
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Cerro el Roble, Chile	ELRO		32.9753S	71.0153W
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Chadas Angostura, Chile	CHCH		33.9333S	70.6525W
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Chanaral, Chile	CAA		26.3303S	70.6139W
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Chillan, Chile	CCHI		36.6000S	72.0800W
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Cipreses, Chile	CICH		34.3198S	70.4205W
Colon, Chile	COLN		34.0667S	70.4567W
Concepcion, Chile	CON		36.8281S	73.0450W
Copiapo, Chile	CPP		27.3542S	70.3511W
	CPCH		27.0833N	70.3530W
Las Cruces, Chile	LCCH		33.4753S	71.5697W
Easter Island, Chile	EIC	Closed	27.1581S	109.4344W
Escuela d' Ingenieria, Chile	EDC*	Closed	33.4592S	70.6678W
Farellones, Chile	FCH		33.3276S	70.2906W
Illapel, Chile	ILCH		31.6358S	71.1694W
Instituto Hidrografico de la Armada, Chile	IHA		33.0258S	71.6411W
Iquique, Chile	IQQ		20.2408S	70.1278W
	ICC		20.2840N	70.0350W
Isla de Pascua, Chile	PSC	Closed	27.1583S	109.4344W
Rapa Nui	RPN		27.1267S	109.3344W
Islas Juan Fernandez, Chile	IJF		33.6167S	78.8333W
Jahuel, Chile	JACH		32.6819S	70.5929W
El Salvador, Chile	ESC	Closed	26.2300S	69.5000W

Laguna Verde, Chile	LAV		33.0874S	71.7462W
Limon Verde, Chile	LVC		22.6128S	68.9113W
Lo Barnechea, Chile	BACH		33.3528S	70.4917W
Longovilo Chile	LNV		33.9556S	71.4108W
Los Queltehues, Chile	LQT		33.8147S	70.2119W
Manantiales, Chile	MAA		32.0502S	69.5100W
Michilla, Chile	MIC		22.7064S	70.2669W
Montezuma, Chile	MTZ	Closed	22.6333S	68.8333W
Monturaqui, Chile	MTQ		23.3400S	68.4400W
Oasis, Chile	OAS		23.2006S	69.7139W
Oficina Alemania, Chile	OFA		25.1525S	69.9500W
Ollague, Chile	OLL	Closed	21.1750S	68.3717W
Ovalle, Chile	OVCH		30.6080S	71.2010W
Panimavida, Chile	PAN	Closed	35.7517S	71.4032W
El Panque, Chile	ELP		33.2576S	71.2050W
Pedro Aguirre Cerda, Anarctica, Chile	PED		62.9394S	60.5850W
Peine, Chile	PEI	Closed	24.6833S	68.0667W
Peldehue,	PEL		33.1436S	70.6853W

Chile

Pirque, Chile	PCH		33.6208S	70.5139W
Puerto Montt, Chile	PMCH		41.4898S	72.8962W
Punta Arenas, Chile	PTA	Closed	53.1553S	70.9006W
Punta de Talca Chile	PUT		33.4187S	71.6964W
Los Queltehues, Chile	LQT		33.8147S	70.2119W
Quillagua, Chile	QUL		21.6556S	69.5283E
El Quisco, Chile	ELQ	Closed	33.3953S	71.6889W
El Roble, Chile	ROCH		32.5818.7S	71.0040W
Salado, Chile	SDO	Closed	26.4194S	70.3111W
Salinas, Chile	SLN		23.1539S	69.6111W
El Salvador, Chile	ESC	Closed	26.2300N	69.5100W
San Cristobal, Chile	SBV	Closed		
	SCRV	Closed	33.5000S	71.0000W
San Fernando, Chile	SFDO		34.6143N	71.0138W
San Javier, Chile	SKC		35.3830S	71.4330W
	SJC	Closed	35.6417S	71.7250W
San Jose de Maipo, Chile	SJM	Closed	33.6500S	70.3667E
Santa Lucia, Chile	STL	Closed	33.4361N	70.6411E



Santiago, Chile	SAN		33.4531S	70.6617E
La Serena, Chile	LSCH		29.9080S	71.2450W
Sombrero, Chile	SOM		52.7808S	69.2422W
Talagante, Chile	TACH		33.6532S	70.9376W
Talca, Chile	TALC		35.3980S	71.6340W
Temuco, Chile	TMU		38.7344S	72.6006W
	TEM	Closed	38.7750S	72.6056W
	TMCH		38.7490S	72.6164W
Toconce, Chile	TCN		22.2750S	68.1717W
Tocopilla, Chile	TPL		22.0978S	70.2094W
	TCP	Closed	22.1231S	70.2106W
Tololo, Chile	TLL		30.1672S	70.8045W
Valdivia, Chile	VLV		39.7900S	73.2764W
	VLCH		39.8060S	73.2460W
Valle Fertil, Chile	RTVF			
Valparaiso, Chile	UTF		33.0350S	71.6042W
	VLP		33.0258S	71.6411W
Tololo Astronomical Observatory, Chile	TLL		30.1672S	70.8045W
Tung-shi, Chile	TWQ			
	VLP		33.0257S	71.6411W
Valparaiso,	UTF		33.0350S	71.6042W

Chile	VLP		33.0258S	71.6411W
Volcan Villaruca, Chile	VNV		39.3692S	71.9528W

## China

Baijiatuan, China	BJT		40.0183N	116.1679E
Baotou, Inner Mongolia, China	BTO		40.5983N	110.0183E
Beijing, China	BJI		40.0403N	116.0817E
	BJI2	Closed	40.1017N	116.0817E
Cape d'Aguilar, China	HCDA			
Changchun, China	CN2		43.8014N	125.4483E
	CNH	Closed	43.8292N	125.3133E
	MSK	Closed	43.9167N	125.3000E
Chengdu, China	CD2		30.9100N	103.7578E
	CDU	Closed	30.6603N	104.0111E
Cheng Chau, China	CCHK		22.2029N	114.0243E
Coloane, China	MCO		22.1719N	113.5583E
Dairen, China	DAI	Closed	38.9000N	121.6333E
Dalian, China	DL2	Closed	39.061N	121.6283E
Enshi, China	ENH		30.2718N	109.4868E
Fengtien, China	FEN		41.7833N	123.4000E
Gaotai, China	QZH		39.4106N	99.8144E

Guangzhou, China	GZH		23.0869N	113.3439E
Guiyang, China	GYA		26.4586N	106.6639E
Hailar Array Beam Reference Point, China	HILR			
Hailar, Inner Mongolia, China	HIA		49.2667N	119.7417E
Hohot, Inner Mongolia, China	HHC		40.8494N	111.5636E
Hong Kong, China	HKC		22.3036N	114.1719E
Hsing-kang,	HSI		23.1000N	121.3667E
Hsin-king, China	HSK	Closed	43.9167N	125.3000E
Kashi, China	KSH		39.4553N	75.9800E
Kunming, China	KMI	CDSN	25.1233N	102.7400E
	KMYC			
Lamocks (Nanpeng Liedao) China	LMC		23.2667N	117.2833E
Lantan Island, China	HLIS			
Lanzhou, China	LAN	Closed	36.0500N	103.8333E
	LZH		36.0867N	103.8444E
Lanzhou Array Beam Reference Point, China	LZDM			
Lead Mine Pass, China	HLMP			

Lhasa, Tibet, China	LSA		29.7000N	91.1500E
	LHA	Closed	29.6367N	91.0367E
Liang-Chow, China	LCC	Closed	36.0833N	103.6667E
Linfen, China	LNF		36.0967N	111.5183E
Luk Keng, China	HLKE			
Mudanjiang, China	MDJ		44.6164N	129.5919E
Nanjing, China	NAN	Closed	32.0633N	118.7833E
	NJ2		32.0517N	118.8544E
Pehpei, China	PEH	Closed	29.8367N	106.4183E
Qingdao, China	TSN		36.0667N	120.3167E
Qiongzong, China	QIZ		19.0294N	109.8433E
Quanzhou, China	QZH		24.9431N	118.5917E
Shenyang, China	SNY		41.8278N	123.5781E
Sheshan, China	ZSC	Closed	31.0967N	121.1864E
	SSE		31.0956N	121.1867E
Siu-lam, China	HSLA			
Suihua, China	SUI		46.6233N	126.9917E
Taian, China	TIA		36.2114N	117.1244E
Taiyuan, China	TIY		37.7131N	112.4342E
	TYN		37.7867N	112.5900E
Tatung, China	TTC		40.0950N	113.2800E
Ta- wu, China	TAW		22.3576N	120.8957E

Tianshui, China	TNH		34.5783N	105.7517E
Tientsin, China	TIE		39.1333N	117.2667E
Topolobampo, China	TBP		25.3548N	109.0312E
Tsim Bei Tsui, China	THK		22.4878N	114.0093E
Tung-Yuan-Fang, China	TYF		34.5000N	109.0667E
Urumqi, China	WMQ	CDSN	43.8211N	87.6950E
Wuhan, China	WUH		30.5267N	114.5583E
	WHN		30.5436N	114.3503E
Wushi, China	WUS		41.1990N	79.2180E
Wuwei, China	WUW		37.9283N	102.6383E
Xian, China	SIA	Closed	34.2483N	108.9200E
	XAN		34.0394N	108.9214E
Xining, China	SNN		36.6211N	101.7817E
Yinchuan, China	YNC		38.4750N	106.2700E
Yingkou, China	YIN	Closed	40.6667N	122.2333E
Ying Ng Fan, China	Y4K		22.3792N	114.3354E
Yuen Ng Fan, China	YHK		22.3792N	114.3354E
Yumen, China	YUM		40.2967N	97.0150E
Zi-ka-wei, China	ZKW		31.1833N	121.4333E

## Colombia

Alto Anchicaya, ANCC Colombia		3.3153N	76.8667W
Antisana, Colombia	ANTI	0.2730S	78.0941W
Azucar, Colombia	AZUC	3.6940N	76.1360W
Bahia Malaga, Colombia	MALC	4.0136N	77.3353W
Bahia Solano, Colombia	SOLC	6.3700N	77.4576W
Barichara, Colombia	BARC	6.6434N	73.1764W
Betania, Colombia	BETC	2.6814N	75.4413W
Bogota, Colombia	BOCO	4.5869N	74.0432W
	BOG	4.6231N	74.0650W
Bucaramanga, Colombia	BMG Closed	7.0717N	73.0753W
	BCR	7.0194N	73.1764W
Buga, Colombia	BUGC	3.8933N	76.2569W
Capurgana, Colombia	CAPC	8.6040S	77.3573W
El Centro, Colombia	ETC	6.8625N	73.7694W
Cerro Kennedy, Colombia	KENC	11.1108N	74.0477W
Chinchina, Colombia	CHN	4.9667N	75.6167W
Chingaza, Colombia	CHIC	4.6330N	73.7306W
La Cruz, Colombia	CRUC	1.4987N	76.9523W

Colombia			
Cumbal, Colombia	CMBC	0.8594N	77.8419W
La Diana, Colombia	DIAC	3.2913N	76.1973W
Florencia, Colombia	FLOC	1.5138N	75.6326W
Fuquene, Colombia	FUQ	5.4700N	73.7381W
Galerazambma, Colombia	GAL	10.7856N	75.2622W
El Hobo, Columbia	HOBC	4.3548N	76.1355W
La Horqueta, Columbia	HOQC	3.4680N	76.6337W
Isla Gorgona, Colombia	GOGC		
Lago Colima, Columbia	CLMC	3.8814N	76.5630W
Medellin, Colombia	MEDC	6.2028N	75.5808W
Merida, Colombia Network	UAV UAV2	8.3636N	71.0841W
Mollejon, Colombia	MOLL	7.4406N	71.3744W
Monteloro, Colombia	TULC		
Munchique, Colombia	MUNC	2.4693N	76.9569W
Nevado de Cunbal, Colombia	CUMC	0.9607N	77.8723W
Norcasia,	NORC	5.5964N	74.8929W

Colombia			
Ocana, Colombia	OCAC	8.2388N	73.3193W
Pasto, Columbia	PSO	1.1919N	77.3253W
Prado, Colombia	PRAC	3.6952N	74.9013W
Red Sismica Nacional de Colombia, Bogota, Colombia	RSNC		
El Rosal, Colombia	ROSC	4.8563N	74.3301W
La Rusia, Columbia	RUSC	5.9271N	73.0755W
Salvajina, Colombia	SALC	2.9729N	76.6952W
San Andres, Colombia	SRD	6.8132N	72.8503W
San Jose del Guaviare, Colombia	GUVC	2.5448N	72.6273W
Santa Elena, Colombia	HELC	6.2341N	75.5477W
Silvia, Colombia	SILC	2.6880N	76.3397W
Tatama, Colombia	TATC	5.1267N	75.9969W
Tolima, Colombia	TOLC	4.5888N	75.3399W
Tumaco, Colombia	TUMC	1.8355N	78.7256W
Universidad del Valle,	UVC		



Cali, Colombia

Volcan Purace, PURC  
Colombia 2.3222N 76.3617W

## Congo

Binza, Congo BIN Closed 4.3667S 15.2500E

Butembo, Congo BTC 0.1333N 29.2833E

Delcommune, DCC Closed  
Congo 10.5100S 25.4550E

Katale, Congo KTL 1.3247S 29.3838E

Le Marinel LMA  
Congo 10.3000S 25.4000E

Lubudi, Congo LBC Closed 9.9000S 25.9833E

Lubumbashi, ELI Closed  
Congo 11.6500S 27.4667E

Lwiro, Congo LWI 2.2383S 28.8000E

Monteloro, TULC  
Congo

Mulungwishi, MLN Closed  
Congo 10.7833S 26.6250E

Rumangabo, RUM Closed  
Congo 1.3400S 29.3600E

Rumangabo, RUM Closed  
Congo 1.3400S 29.3600E

Uvira, Congo UVI 3.4000S 29.1167E

## Costa Rica

Arenal AROL  
Observatory  
Lodge,  
Costa Rica 10.4373N 84.7092W

Baja Tulamanca, BTA Costa Rica				
Barra Colorado, COCR Costa Rica			10.5527N	83.6708W
Bijagual, Costa Rica	LAJ		9.8637N	85.5412W
Buena Vista, Costa Rica	BUS		9.5553N	85.7583W
Cabo Frio, Costa Rica	AR7	Closed	9.8503N	85.1164W
Cedral, Costa Rica	CDRL		10.5752N	83.6873W
Cerro Adams, Costa Rica	ACR		8.6532N	83.1680W
Cerro Gallo, Costa Rica	CGAC		10.0310N	84.4757W
	CGA2		10.0162N	84.4655W
Cerro de la Muerte, Costa Rica	CBM		9.5552N	83.7657W
Cerro Uvita, Costa Rica	CUV			
Chiripa, Costa Rica	AR6		10.4458N	84.9098W
Cobano, Costa Rica	CAO		9.7012N	85.1033W
Colorado, Costa Rica	COCR		10.5527N	83.6708W
Coton, Costa Rica	CTCR		8.8962N	82.7593W
Crater, Costa Rica	A10	Closed	10.4611N	84.7156W
La Cruz, Costa Rica	CRZC		10.9533N	85.5967W

Santa Elena, Costa Rica	AR5	Closed	10.3414N	84.8247W
Esparza, Costa Rica	EPA		9.9877N	84.5965W
Fila Bonilla, Costa Rica	FIBO		10.0192N	83.7075W
Fila Carbon, Costa Rica	FICA		9.7375N	82.8945W
Fortuna, Costa Rica	FORC		10.4717N	84.6683W
Heredia, Costa Rica	HDC	Closed	10.0013N	84.1140W
2, Costa Rica	HDC2		10.0237N	84.1167W
Isla del Cano, Costa Rica	IDC		8.7133N	83.8698W
Jicaral, Costa Rica	JCR		9.8498N	85.1118W
	JCR2			
Juan Diaz, Costa Rica	JUD		10.1620N	85.5472W
	JUD2		10.1670N	85.5412W
Juntas de Abangares, Costa Rica	JTS		10.2908N	84.9525W
Lago de Cote, Costa Rica	AR2	Closed	10.5614N	84.8933W
Los Lagos, Costa Rica	LOLA		10.4900N	84.8137E
Limon, Costa Rica	LIO		10.0050N	83.0350W
	LICR		9.9692N	83.0883W
	LNCR		9.9658N	83.0693W
La Lucha, Costa Rica	LCR	Closed	9.7384N	84.0016W
	LCR2		9.7422N	84.0030W

La Lucha Farm, LLC Costa Rica	Closed	9.6654N	83.9991W
Nevada de Cumbal, Costa Rica			
Nicoya, Costa Rica	AR8 Closed	10.1925N	85.5206W
Nordeste de Costa Rica	NECR		
Ochomogo, Costa Rica	OCM	9.8948N	83.9608W
Palomo, Costa Rica	PALO	9.7850N	83.8203E
Palonio, Costa Rica	PALO		
Picada, Costa Rica	PICA	10.0255N	83.7858W
Poas, Costa Rica	POA Closed	10.1523N	84.2171W
Poas 2, Costa Rica	POA2	10.1772N	84.2508W
Potenciana, Costa Rica	PTCR	9.7895N	84.4295W
2,	POCR	9.7843N	84.4042W
Puerto Jimenez, Costa Rica	PUJ	8.5333N	83.3478W
Puerto Moin, Costa Rica	MOIN	9.9870N	83.0938E
Punta Burica, Costa Rica	PBC	8.4437N	83.0708W
Puriscal, Costa Rica	PUC	9.8542N	84.6920W
Quepos,	QCR	9.4241N	121.1653W

Costa Rica	QPS		9.4031N	84.1322W
Rincon de la Vieja, Costa Rica	RIN	Closed	10.7735N	85.3583W
	2, RIN2	Closed	10.8185N	85.3495W
	3, RIN3		10.7908N	85.3787W
Rio Macho, Costa Rica	RMCR		9.7845N	83.8572W
La Roca, Costa Rica	LARO		9.7052N	84.0235E
Sanatorio Duran, Costa Rica	SDS		9.9333N	83.8836W
San Jose, Costa Rica	SJR	Closed	9.9350N	84.0778W
	SJS		9.93902N	84.0542W
San Pedro de Poas, Costa Rica	SPS	Closed	10.0776N	84.2512W
San Ramon, Costa Rica	SRA		10.0825N	82.4482W
Sixty Eight Lava Flow, Costa Rica	SELF		10.4712N	84.7322E
Solania, Costa Rica	AR4	Closed	10.3583N	84.9928W
Tiendilla, Costa Rica	TLLA		10.0045N	83.7737W
Tierras Morenas, Costa Rica	AR3	Closed	10.5869N	85.0350W
Tigre, Costa Rica	TIG		9.0367N	83.2960W
Tortuguero, Costa Rica	TRTC		10.5753N	83.7135W

Tuis, Costa Rica	TUI		9.8418N	83.5573W
Urasca, Costa Rica	URSC		9.8350N	83.7782W
Vista de Mar, Costa Rica	VCR		10.1265N	85.6312W
Volcan Arenal, Costa Rica	AR1	Closed	10.4586N	84.7322W
	VACR		10.4730N	84.6775W
Volcan Irazu, Costa Rica	ICR		9.9808N	83.8305W
	IRZ	Closed	9.9744N	83.8657W
	IRZ2		9.9688N	83.8975W
Volcan Norte, Costa Rica	AR9	Closed	10.4717N	84.7286W
Volcan Platanar, Costa Rica	VPT			
Volcan Poas, Costa Rica	VPS	Closed	10.1873N	84.2385W
2,	VPS2		10.1902N	84.2353W
Volcan Turrialba, Costa Rica	VTU		10.0210N	83.7583W
West Arenal, Costa Rica	WARN		10.4620N	84.7208W

## Croatia

Dubrovnik, Croatia	DBR	Closed	42.6333N	18.1167W
Dugi Otok, Croatia	DUOK		44.1131N	14.9318E
Hvar, Croatia	HVAR		43.1780N	16.4480E
Pola, Croatia	POL	Closed	44.8667N	13.8500W

Puntijarka, Croatia	PTJ	Closed	45.9000N	15.9581E
Rijeka, Croatia	RIY		45.3440N	14.3860E
Sibenik, Croatia	SEB	Closed	43.7333N	15.9000E
Sinj, Croatia	SNJ	Closed	43.7333N	16.6500W
Zagreb, Croatia	ZAG		45.8290N	155.9940E
	ZAG*	Closed	45.8167N	155.9833E

## Cuba

Cascorro, Cuba	CCCC		21.2000N	77.7660W
Centro de Investigaciones de Energia Solar, Cuba	CISC		20.0020N	75.7710W
Guantanamo, Cuba	GM-CU	Closed	19.9669N	75.0872W
Guantanamo Bay, Cuba	GBC	Closed	19.9000N	75.1500W
Holguin, Cuba	HOL		20.8940N	76.2630W
Maisi, Cuba	MASC		20.1750N	74.2310W
Manicaragua, Cuba	MGV		22.1100N	79.9800W
Las Mercedes, Cuba	LMGC		20.0640N	77.0050W
Moa, Cuba	MOAC		20.6600N	74.9600W
Pilon, Cuba	PLNC			
Pinares de Mayari, Cuba	PINC		20.4870N	75.7910W
Rio Carpintera, Cuba	RCC		19.9942N	75.6958W

Sabaneta, Cuba	SABC	20.3800N	75.1900W
Soroa, Cuba	SOR	22.7840N	83.0080W
El Yarey, Cuba	YAR	20.2000N	76.2200W

## Cypus

Alevga, Cyprus	ALFC	35.1570N	32.5990E
Arkamas, Cyprus	AKMC	35.0270N	32.3300E
Cyprus Station, Cyprus	CSS	34.9622N	33.3306E
Daralimni, Cyprus	DHNC	35.0040N	34.0320E
Famagusta, Cyprus	FAM	34.9961N	34.0019E
Kantara, Cyprus	KANT	35.3830N	33.8800E
Lefka, Cyprus	LEF	35.1193N	32.8903E
Lefkosa, Cyprus	LFK	35.2792N	32.3450E
Mammari, Cyprus	MAMC	35.1710N	33.2180E
Nicosia, Cyprus	NIC Closed	35.1564N	33.3450E
Paphos, Cyprus	PPCY	34.8847N	32.3450E
Prodhromos, Cyprus	CSS	34.9622N	33.3306E
Souni-Zanaja, Cyprus	SZAC	34.7560N	32.8830E

## Czech Republic



Czech Republic	LUTC		49.8840N	18.4160E
Czech Republic	PRSC		49.0150N	18.5540E
Czech Republic	ZAPC		49.8320N	15.4280E
Bernov, Czech Republic	BERN		50.2321N	12.5118E
Bohunice, Czech Republic	BHC		48.5786N	17.5289E
Cheb, Czech Republic	CHE	Closed	50.0794N	12.3761E
	CHOC		49.7690N	18.5610E
Dobruska Polom, Czech Republic	DPC		50.3502N	16.3222E
Havirov, Czech Republic	HAVC		49.7630N	18.4770E
Jidrichovice, Czech Republic	JIND		50.2621N	12.6168E
Kavspersk'e Hory, Czech Republic	KHC		49.1309N	13.5782E
Luby, Czech Republic	LUBY		50.2603N	12.3593E
	LUTC		49.8840N	18.4160E
Moravsky Beroun, Czech Republic	MORC		49.7768N	17.5425E
Moravsky Krumlov, Czech Republic	KRUC		49.0619N	16.3915E
Nov'y Kostel, Czech Republic	NKC		50.2331N	12.4479E
Ostrava-Krasne Pole, Czech Republic	OKC		49.8375N	18.1472E

Pocatky, Czech Republic	POCA	50.3193N	12.4346E
Prague, Czech Republic	PRA	50.0703N	14.4331E
Pruhonice, Czech Republic	PRU	49.9883N	14.5417E
Vackovec, Czech Republic	VACK	50.1414N	12.4727E
Velka Javorina, Czech Republic	JAVC	49.8591N	17.6707E
Vranov, Czech Republic	VRAC	49.3083N	16.5935E
	ZAPC	49.8320N	18.4280E

## Denmark

Bad Segenberg, Denmark	BSEG	53.9353N	10.3169E
Bornholm Skovbrynet, Denmark	BSD	55.1100N	14.9100W
Copenhagen, Denmark	COP	55.6833N	12.4333W
Lille Linde, Denmark	LLD	55.3331N	12.2150W
Logumkloster, Denmark	NE03	55.0450N	9.1530W
Monsted, Denmark	NE02	56.4590N	9.1700W
	MUD	56.4600N	9.1700W
Camp Century, Greenland Denmark	CCG	Closed	77.1667N 61.1333W
Daneborg, Greenland, Denmark	DBG		

Danmarkshavn, Greenland Denmark	DAG		76.7700N	18.7700W
Godhavn, Greenland, Denmark	GDH		69.2500N	53.5333W
Ice-Cap, Greenland, Denmark	IC-GL	Closed	77.9467N	39.1833W
Inge Lehmann, Greenland, Denmark	ILG	Closed	77.9467N	39.1833W
Ivigut, Greenland, Denmark	IVI	Closed	61.2000N	48.1833W
Kap Tobin, Greenland, Denmark	KTG		70.4167N	21.9833W
Narsarsuaq, Denmark	NRS			
Nord, Greenland, Denmark	NOR	Closed	81.6000N	16.6833W
Scoresbysund, Greenland, Denmark	SCO	Closed	70.4833N	21.9500W
Sondre Stromfjord, Greenland, Denmark	SFJ		66.9967N	50.6152W
Thule, Greenland, Denmark	TE-GL	Closed	76.4972N	68.6056W
	THU	Closed	76.4167N	68.3000W
	THULE		76.5567N	68.6750W

## Diego Garcia

Diego Garcia	DGAR	Reserved		
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## Djibouti

Djibouti,	LDL			
Arta Tunnel, Djibouti	ATD		11.5300N	42.8470E
Arta, Djibouti	ART	Closed	11.5211N	42.8378E
Arta Grotte, Djibouti,	AGD		11.5290N	42.8240E
Arta Observatory, Djibouti,	ARO		11.5286N	42.8468E
Atar, Djibouti,	ATA		11.4572N	43.2083E
Dafare, Djibouti	DAF		11.6077N	42.5291E
Day, Djibouti	DAY		11.7527N	42.6382E
Grand-Bara, Djibouti	GBR		11.1520N	42.4630E
Halakistan, Djibouti	HLD		11.5965N	42.4324E
Kousour, Djibouti	KSU		11.5175N	42.4458E
	LDL			
Maskali, Djibouti	MKL		11.7147N	43.1500E
Obock, Djibouti	OBO		11.9869N	43.2925E
Sud-Ghoubbet, Djibouti	SGH		11.4375N	42.6363E
Tadjoura, Djibouti	TDD		11.8050N	42.9060E
	TDJ	Closed	11.7869N	42.8897E

## Dominica

Barbers Block, BBL Dominica		15.5230N	61.4780W
Belle View Chopil, Dominica	DBCT	15.2696N	61.3534W
Dominica (Roseau), Dominica	DOM	15.2960N	61.3910W
Cotton Hill, Dominica	PSDMB	15.5850n	61.4570W
Forest Bistro Dominica	DFBT		
Grand Bay, Dominica	DGBT	15.2390N	61.3290W
Layou Valley, Dominica	DLVT		
Morne Daniel, Dominica	MDN	15.3160N	61.4000W
Pointe Michel, Dominica	DPMT	15.2590N	61.3850W
Scotts Head, Dominica	DSC DSHT	15.2084N	61.3652W
Soufriere, Dominica	PSDMA	15.2350N	61.3570W
Soufrierre Village, Dominica	DSVT	15.2290N	61.3700W
Stowe, Dominica	DSTT	15.2446N	61.3099W
Tete Morne, Dominica	DTMT	15.2330N	61.3520W
Valley of Desolation, Dominica	DVDT		

Wesley, Dominica	DWS	15.5717N	61.3110W
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## **Dominican Republic**

Boca de Chavon, Dominican Republic	ROBI	18.4100N	68.8400W
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Guayacanes, Dominican Republic	GUAY	18.4400N	69.4333W
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Isla Saona, Dominican Republic	SAON	18.1833N	68.7667W
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Las Alcarrizes, Dominican Republic	ALCA		
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Loma Carmona, Dominican Republic	SACA	18.9775N	69.6803W
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Loma El Joboban, Dominican Republic	MAVI	19.2457N	69.9117W
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Loma en Medio, Dominican Republic	LOMO	18.8767N	68.8613W
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Punta Cana, Dominican Republic	PUCA	18.5880N	68.4028W
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Loma Quita Espuela, Dominican Republic	QUES	19.3530N	70.1480W
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Santo Domingo, Dominican Republic	STDO	18.4506N	69.9264W
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	SDD	18.4579N	69.9134W
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Villa Alta- gracia, Dominican Republic	VIAL		
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Loma Colora, Dominican Republic	SDD01	19.1235N	69.9732W
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Dominican  
Republic

Loma Siseviere, SDD02  
Dominican  
Republic

Loma La Ceniza, SDD03  
Dominican Republic 19.3370N 69.0685W

Loma El Mogote, SDD04  
Dominican  
Republic 19.4835N 69.4855W

Loma SDD05  
Manaclilla,  
Dominican  
Republic 19.1017N 69.4478W

Hatillo, SDD06  
Dominican  
Republic

Loma El Café, SDD07  
Dominican  
Republic 19.7828N` 69.2223W

Loma Loa SDD08  
Yayales,  
Dominican  
Republic

Ceiba Bonita, SDD09  
Dominican  
Republic 19.2533N 69.6073W

Monte Rojo, SDD10  
Dominican  
Republic 19.2105N 69.2698W

Puerto Plata, SDD11  
Dominican  
Republic

Santiago, SDD12  
Dominican  
Republic

San Juan de la SDD13  
Maguana,

Dominican  
Republic

Santo Domingo, SDD14  
Dominican  
Republic

Samana, SDD15  
Dominican  
Republic

Hato Mayor, SDD16  
Dominican  
Republic

Bani, SDD17  
Dominican  
Republic

San Jose de SDD18  
Ocoa, Dominican  
Republic

Villa SDD19  
Altagracia,  
Dominican  
Republic

Juana Nunez, DR01 19.3114N 70.6961W  
Dominican  
Republic

San Jose de DR02 19.3542N 70.7718W  
Las Matos,  
Dominican  
Republic

Puialito, DR03 19.2725N 70.7688W  
Dominican  
Republic

Monte Llano, DR04 19.4672N 70.3600W  
Dominican  
Republic

La Lomota, DR05 19.6349N 70.8596W  
Dominican  
Republic

La Diferencia, DR06 19.2328N 70.9915W



Dominican  
Republic

Jarabacoa, DR07 19.0856N 70.5981W  
Dominican  
Republic

Loma la Naviya, DR08 18.9624N 70.0217W  
Dominican  
Republic

Piedra Blanca, DR09 18.8113N 70.4166W  
Dominican  
Republic

Alto de la DR10 18.8082N 70.6878W  
Bandera,  
Dominican  
Republic

La Yayitas, DR11 18.4719N 70.2346W  
Dominican  
Republic

Loma Yerba DR12 18.7878N 69.3808W  
Buena,  
Dominican  
Republic

Sanchez, DR13 19.2405N 69.5887W  
Dominican  
Republic

Sierra Prieta, DR14 18.6447N 70.0078W  
Dominican  
Republic

Siete Picos, DR15 18.7503N 70.1773W  
Dominican  
Republic

Juananito, DR16  
Dominican  
Republic

## **Ecuador**

Ecuador ANGL 0.3929S 77.5444W

	COTO		
	CALV	1.5220S	77.9088W
	CUSU	1.4428S	78.4805W
	DOMO	0.3033S	78.3592W
	FARH	0.0355S	78.5095W
	GPNO	0.1529S	78.6222W
	HIER		
	JORG	0.2172S	78.6457W
	JUA2	0.2139S	78.6052W
	JUAN	0.2083S	78.5917W
	MGUL	0.2587S	78.5845W
	PATA	1.5033S	78.4355W
	QUND	0.3168S	79.4807W
	RUN3	1.4467S	78.4270W
	RUNZ	1.4467S	78.4270W
	TOAZ	0.1790S	78.6155W
	XTAL	0.2020S	78.6688W
Altar Urco, Ecuador	ALTA	2.4737N	78.9893W
Antisana, Ecuador	ANTI	0.4583S	78.1615W
	DOMO	0.3033N	78.3592W
Arrayan, Ecuador	ARRY	1.5013S	78.4552W
	HIER		
Carmen, Ecuador	CARM	0.2410S	79.4965W
	RUNZ		
Carshao,	CARS	2.4357S	78.9482W

Ecuador				
Cayambe, Ecuador	CAYA		0.0705S	77.9922W
Cerro de Hojas, Ecuador	HOJA		1.0505S	80.5460W
Cerro Negro, Ecuador	ECEN		0.8238N	77.9713W
Chimborazo, Ecuador	CHI1		1.4187S	78.8148W
	CHIM	Closed	1.4203S	78.8614W
Cotacachi, Ecuador	COTA		0.3350N	78.3378W
Cotopaxi 1, Ecuador	VC1		0.6395S	78.4067W
Crater GGP, Ecuador	CGGP		0.1765S	78.6058W
Cumbre, Ecuador	CUMB		0.6700S	78.4300W
Cupa, Ecuador	CUPA		0.3665N	79.5000W
Ecuador Network	AECU	Closed	0.2705S	78.4070W
	BECU	Closed	0.4747N	78.5962W
	CECU	Closed	0.4762S	78.8703W
	GECU		0.3172S	78.1897W
	IECU	Closed	0.4750S	78.3067W
	MECU		0.5375S	78.2442W
	PECU	Closed	0.3950S	78.6025W
Eden, Ecuador	EDEN		0.0367N	78.5212W
Estacion (Quito), Ecuador	QTO		0.2084S	78.5322W
Galera,	GALE		0.8213N	80.0133W

Ecuador				
Guagua Pichincha, Ecuador	GGP		0.1745S	78.5960W
Guallil, Ecuador	GUAL		3.0718S	78.8142W
	HIER			
Jama, Ecuador	JAMA		0.2612S	80.2058W
Juive, Ecuador	JUIV		1.4238S	78.4647W
Juive 3, Ecuador	JUI3		1.4218S	78.4767W
Magdalena, Ecuador	MAAGD		0.0685S	79.7738W
Mazon, Ecuador	MSON		1.4845S	78.4678W
Monjas, Ecuador	MJAS		0.2520S	78.4980W
NASA, Ecuador	NAS1		0.6335S	78.4775W
NASA Cotopaxi, Ecuador	NCE	Closed	0.6611S	78.4972W
Observatorio Astronomico de Quito, Ecuador	OAQ		0.2161S	78.4992W
Otavalo, Ecuador	OTAV		0.2425N	78.4433W
Pino, Ecuador	PINO		0.1580S	78.6077W
Pisaymbo, Ecuador	PISA		1.0585S	78.3855W
Pucara, Ecuador	PUCR		3.2100S	79.5000W
Quilotoa, Ecuador	QUIL		0.8453S	78.9338W
Quititos, Ecuador	QITI		0.7858S	79.9995W

Quititos 2, Ecuador	QIT2		0.7732S	80.0397W
Quito, Ecuador	QUI	Closed	0.2001S	78.5005W
	QTO		0.2084S	78.5322W
Rancho Maria, Ecuador	MARY		0.7337S	78.4867W
Refugio, Ecuador	RETU		1.4512S	78.4460W
Rumipamba, Ecuador	QUR		0.1717S	78.5289W
Runtun, Ecuador	RUN2		1.4218S	78.4132W
	RUN3		1.4467S	78.4270W
	RUNZ			
Salinas, Ecuador	SALI		2.1863S	80.9908W
San Lorenzo, Ecuador	LORE		1.2960S	78.8453W
Soche, Ecuador	SOCH		0.6367N	77.4932W
Tambo, Ecuador	TAMB		0.6942S	78.3680W
Tena, Ecuador	TENA		0.7327S	77.7622W
Tumbaco, Ecuador	QUT	Closed	0.2022S	78.3922W
Tungurahua, Ecuador	TUNG		1.4182S	78.4455W
Yana, Ecuador	YANA		0.1148S	78.5721W
Galapagos Islands, Ecuador				
Isla Fernandina, Ecuador	FERN		0.2667S	91.4450W
Galapagos	GIE		0.7333S	90.3000W

Islands,  
Ecuador

Puerta Ayora, PAYG 0.6600S 90.2300W  
Ecuador

Volcan Chico, VCHI 0.7917S 91.0667W  
Ecuador

## Egypt

Egypt BDRN 33.2027N 36.1832E

Abu Hadid, AAHD 23.7463N 32.7528E  
Egypt

Abu Simbel, ASL 22.3369N 31.6161E  
Egypt

Aswan, Egypt ASW 24.0782N 32.8888E

El Aiyat, AUT 29.6660N 31.1800E  
Egypt

Gabel Atot, ATOT  
Egypt

Gebel Alisa AGAL 23.4285N 32.8255E  
Egypt

Gebel Marawa, AGMR 23.5377N 32.5405E  
Egypt

Gebel Rewraw, AGRW 23.6450N 32.8047E  
Egypt

Hamam Mousa, HAMM 28.2763N 33.5778E  
Egypt

Helwan, Egypt HLW 29.8583N 31.3417E

Kafrein, Egypt KFNJ 31.5142N 35.4037E

Khor El Raml, AKRL 23.6600N 32.7100E  
Egypt

Khor Sakr, AKSR 23.6372N 33.0208E  
Egypt

Kottamia, Egypt	KEG		29.9275N	31.8292E
	KOT		29.9300N	31.8300E
Kurkur, Egypt	AKUR		23.8940N	32.7760E
Luxor Reference Point, Egypt	LUXOR			
Manam, Egypt	AMAN		23.9333N	32.9340E
Marsa Matruh, Egypt	MMT	Closed	31.3800N	27,2750E
Mash'abbe Sade, Egypt	MASH		31.0000N	34.5100E
Mazracia, Egypt	MAZR		27.9292N	33.9948W
New Alisa, Egypt	ANAL		23.2436N	32.4040.8E
North Mavawa, Egypt	ANMR		23.6770N	32.5423E
Saggi Highlands, Egypt	SAGI		30.1312N	34.3936E
Sinn el Kaddab, Egypt	ASKD		23.6597N	32.3847E
Siwa, Egypt				
West Alisa, Egypt	AWAL		23.3792N	32.5825E
West Kalabsha, Egypt	AWKL		23.4252N	32.4470E

## El Salvador

Adelaida, El Salvador	ADES		13.6583N	89.3583W
Ahuachapan, El Salvador	AHU		13.9217N	89.8458W

El Angel, El Salvador	ANGS	13.8000N	89.1917W
Ayaguelo, El Salvador	AYA Closed	13.6294N	89.2894W
Boqueron, El Salvador	BOQS	13.7350N	89.2800W
La Brisas, El Salvador	LBRS	13.7383N	89.0433W
Cauta, El Salvador	CTAS	13.7489N	89.8653W
La Ceiba, El Salvador	LCBS	13.6550N	88.9783W
Centro Gotecnicas, El Salvador	CIGS	13.6981W	89.1733W
Coatepeque, El Salvador	COAS	13.8667N	89.5719W
Cusmapa, El Salvador	CUSS	13.9092N	89.9472W
El Faro, El Salvador	LFRS	13.6233N	89.0617W
La Fuente, El Salvador	LFU	13.7487N	89.1138W
Las Grandillas, El Salvador	GRDS	13.7583N	89.2917W
Los Guarumos, El Salvador	LGUZ	13.6447N	88.5613W
Loma Alta, El Salvador	LALZ	13.5393N	88.5422W
Huehuecho, El Salvador	HUES	13.7783N	89.0000W
Montecristo, El Salvador	MTO MTO2	14.3897N	89.4050W



	MUMZ		13.5555N	88.4792W
Nanahuazin, El Salvador	NANS		13.7150N	89.5092W
Nueva Concepcion, El Salvador	NCS	Closed	14.1015N	89.1795W
Ojo de Agua El Salvador	OJOS		34.8633N	89.2367W
La Palma, El Salvador	LPS		14.2922N	89.1619E
Picacho, El Salvador	PICS		13.7394N	89.2550W
Quezalapa, El Salvador	QZA		13.5239N	88.9969W
	SANZ		13.5577N	88.5528W
San Jacinto, El Salvador	SJAS		13.6667N	89.1667W
San Salvador, El Salvador	SSS		13.6811N	89.1981W
Santa Julia, El Salvador	SJUZ		13.6811N	88.5335W
Santiago de Maria, El Salvador	SDM		13.4861N	88.4706W
	SDMZ		13.4738N	88.4847W
Tecapa, El Salvador	TCPZ		13.4890N	88.5070W
Tecomasuche, El Salvador	TME		14.0169N	89.3356W
Volcan San Miguel, El Salvador	VSM		13.4281N	88.2742W
Volcan San	VSS		13.7417N	89.2417W

Salvador, El  
Salvador

Yupe, El Salvador	YPE	14.1217W	89.6806W
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## Equitorial Guinea

Fernando Poo, Equitorial Guinea	MFP	3.3427N	8.6604W
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## Eritrea

Abaselama, Eritrea	ABSE	14.8847N	39.3272W
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Asmera, Eritrea	ASME	15.3500N	38.9300E
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## Estonia

Tartu, Estonia	TRTE	58.3786N	26.7205E
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Tartu, Estonia	TTU Closed	58.3833N	26.7167E
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## Ethiopia

Addis Ababa, Ethiopia	AAE	9.0292N	38.7656E
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Alemaya, Ethiopia	ALME	9.4300N	42.0400E
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Furi, Ethiopia	FURI	8.8967N	38.6783E
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Wendo Genet, Ethiopia	WNDE	7.0830N	38.6300E
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## Faeroe Islands

Haldarsvik,	FHV	62.2597N	7.0984W
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## Faeroe Islands

Suduroy, Faeroe Islands	FSD	61.5701N	6.7884W
Svinoy, Faeroe Islands	FSV	62.2598N	6.3350W
Torshavn, Faeroe Islands	FTO	62.0199N	6.8274W
Vagar, Faeroe Islands	FVA	62.0757N	7.3520W

## Falkland Islands

East Falkland Island, Falkland Islands	EFI	51.6753S	58.0637W
Falkland Islands	FLK	51.8365S	58.4465W
Port Stanley, Falkland Islands	PSF	51.7000S	57.8667W

## Finland

Finland	JYSA	62.7700N	24.8700E
Kajaani, Finland	KJF	Closed	64.1992N 27.7147E
	KJN	Closed	64.0853N 27.7119E
Finess Array	A0	61.4436N	26.0771E
	A1	61.4445N	26.0793E
	A2	61.4412N	26.0737E
	A3	61.4447N	26.0716E
	B0		
	B1	61.4441N	26.0845E

B2			61.4391N	26.0818E
B3			61.4399N	26.0706E
B4			61.4436N	26.0650E
B5			61.4467N	26.0711E
B6			61.4469N	26.0808E
C0				
C1			61.4384N	26.0596E
C2			61.4488N	26.0612E
C3			61.4527N	26.0772E
C4			61.4489N	26.0899E
C5			61.4397N	26.0917E
C6			61.4396N	26.0760E
D0				
D1				
D2				
D3				
Finess Beam Reference Point, Finland	FINES		61.4436N	26.0771E
Helsinki, Finland	HEL		60.1756N	24.9570E
Joensuu, Finland	JOE	Closed	62.6517N	29.6950E
	JOF		62.9182N	31.3124E
Jyvaskyla, Finland	JYV			
Kajaani, Finland	KJF	Closed	64.1992N	27.7147E
	KJN		64.0853N	27.7119E

Kangasniemi, Finland	KAF		62.1128N	26.3061E
Kevo, Finland	KEV		65.7553N	27.0067E
	KEV1	Closed	69.7558N	27.0125E
Keuruu, Finland	KEF		62.1672N	24.8703E
Maaselka, Finland	MSF		65.9113N	29.0402E
	NUF			
Metsahovi, Finland	MEF		60.2172N	24.3958E
Nurmijarvi, Finland	NUR		60.5090N	24.6514E
Oulu, Finland	OUL		65.0853N	25.8964E
Pernaja, Finland	PVF		60.5451N	25.8616E
Porkkala, Finland	PKK		60.0052N	24.5169E
Porvoo, Finland	PRF		60.3855N	25.6805E
	PRV	Closed	60.3571N	25.5584E
Saarijarvi, Finland	SIF			
Sodankyla, Finland	SDF		67.4203N	26.3936E
	SOD	Closed	67.3712N	26.6291E
Sumiainen, Finland	SUF		62.7192N	26.1506E
Ylistaro, Finland	VAF		63.0422N	22.6715E

## France

France	CHD			
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FILF

IRF

Abries, France	OG22		44.8277N	6.9452E
Aigurande, France	NE08	Closed	46.4200N	1.7300E
Arbois, France	ARBF		43.4917N	5.3325E
Arcevia, France	ARV		43.2954N	12.5631E
Archignac, France	ARH	Closed	45.0097N	1.3117E
Arette, France	ATE		43.0860N	0.6990W
	NE10		43.0860N	0.6990W
Arthez-de- Bearn, France	ARTL		43.4561N	0.5881W
Aspremont, France	ASPF		43.7682N	7.2583E
Auriere, France	AURF		43.8873N	7.3275E
L=Aution, France	AUTN		43.9955N	7.4275E
Avril sur Loire, France	AVF		46.7906N	3.3526E
	AVFP		46.7919N	3.3569E
Bagneres de Bigorre, France	BDB	Closed	43.0650N	0.1483E
Baives, France	BAIF		50.0592N	4.2078E
Ballon de Servance, France	BSF		47.8319N	6.7922E
Barrage de Sampolo,	SMPL		42.0940N	9.2850E

France

Bastide du Pradon, France	PRAF		43.8043N	5.1692E
Belacker, France	BAF		47.8347N	6.9953E
Bertagne, France	BERF		43.3130N	5.6907E
Besancon, France	BES		47.2497N	5.9875E
Betharram, France	BTH		43.1231N	0.2069W
Bohocortia, France	BOH		43.1027N	1.0117W
Bois d'Agland, France	BGF		46.5578N	2.8464E
Bonneval, France	BOF		45.3540N	7.0300E
Brest, France	BST		48.3032N	4.0615E
Les Buteaux, France	LBF		45.9844N	3.9772E
Cadarache, France	CDR		43.6750N	5.7669E
Le Caire, France	OG25		44.3698N	6.0735E
Calern, France	CALF		43.7530N	6.9220E
	CALN		43.7522N	6.8894E
Calvi, France	CVF		42.5675N	8.8694E
Calviac, France	CAF		44.9258N	2.0644E
Cannet des Maures, France	CMF	Closed	43.3573N	6.3895E
Carcanieres, France	CARF		42.7160N	2.1153E

France

Cerre les Noroy, France	CNF	Closed	47.5828N	6.3177E
Cescau, France	CESL		43.4019N	0.5319W
Chalampe, France	CHAF		47.8122N	7.5403E
Chambon-la- Foret, France	CLF	Closed	48.0167N	2.2667E
Champ du Feu, France	CDF		48.4122N	7.2761E
La Chapelle aux Bois, France	CABF		46.6111N	6.0875E
La Chataig- eraie, France	LCHF		46.6993N	0.7482W
Chaudanne, France	CHDN		43.8481N	6.5408E
Clermont- Ferrand, France	NE16 CFF		45.7628N 45.7628N	3.1025E 3.1025E
Col du Perthus, France	PERF		42.4856N	2.8742E
Col du Pourtalet, France	POUF		45.7268N	3.1025E
Collangeltes, France	COLF		45.5179N	3.6951E
Digne, France	OGDI		44.1100N	6.2170E
Dompierre-sur- Helpe, France	DOMF	Closed	50.1288N	3.8610E
La Drutiere, France	LDF		48.5936N	0.1222W
Echery, France	ECH		48.8158N	7.1583E
Elaudy, France	ELYF		43.1700N	0.9117E



Ens, France	ENSF	Closed	42.8047N	0.3356E
	RESF		42.8077N	0.3385E
Escot, France	ESCF		43.0785N	0.5747E
Esparros, France	EPF		43.0308N	0.3400E
Etsaut, France	ETSF		42.8986N	0.5592E
Les Eyzies, France	NE09	Closed	44.8520N	0.9810E
La Foliniere, France	FLN		48.7625N	0.4819W
La Foret Royale, France	FRF		43.5607N	6.6468E
Les Forges d' Abel, France	FDAF		42.8188N	0.5672E
Fouillouse, France	FOUF		44.5292N	6.7819E
La Frestal, France	LFF		44.9395N	0.7402E
Ganagobie, France	GANF		43.9976N	5.9087E
Garchy, France	GRC		47.2956N	3.0736E
Givet, France	GIVF		50.1022N	4.8233E
Gorron, France	GRR		48.3883N	0.8583E
Gourbit, France	GRBF		42.8414N	1.5367E
Grand Balon, France	GBF	Closed	47.9027N	7.0990E
Grand Etoile, France	GELF		48.3836N	5.4275E
Grand Maison,	GDM		45.2039N	6.1161E

France

Grand Winters- berg, France	GWF		48.9775N	7.6219E
Granges- Gontardes, France	GGF	Closed	44.3667N	4.7667E
Grenoble, France	GRN		45.2425N	5.7452E
	GRN*	Closed	45.1833N	5.7000E
Haudompre, France	HAU		48.0056N	6.3481E
Hinteralfeld, France	HINF		47.8167N	6.8531E
Hoffen, France	HOFF		48.9417N	7.9639E
Humbligny, France	HYF		47.2685N	2.6394E
Ile d'Oleron, France	OLEF		45.9446N	1.3488W
Isola, France	ISO		44.1833N	7.0500E
Issarbe, France	ISSF		43.0278N	0.7953W
Jaout, France	JAU		43.0380N	0.3693W
Jujurieux, France	OG05		46.0405N	5.4583E
Labassere, France	LABF		43.0475N	0.0737E
Lacq, France	LACL		43.4350N	0.7269W
Lacq-Usine, France	USIL		43.4169N	0.6380W
Lagor, France	LAGL		43.4061N	0.6650W
Langenberg, France	LANF		48.9806N	7.8053E

Lanslevillard, France	LNS		45.2889N	6.9147E
Larrau, France	LARF		43.0380N	0.9875W
Larrau, France	LARF		43.0380N	0.9875W
Lescure, France	LESF	Closed	43.0311N	1.2839E
Lhers, France	LHE		42.9130N	0.6213W
Lille, France	LIL	Closed	50.6158N	3.0708E
Lomont du Chamesol, France	LOMF		47.3508N	6.8275E
Lorgues, France	LRG		43.4547N	6.3603E
Lormes, France	LOR		47.2683N	3.8589E
Loubulhac, France	LBL		45.2325N	3.2469E
Lucq de Bearn, France	LDBL		43.3189N	0.6139W
Madeleine, France	MADF		43.1457N	0.8195W
Malvaux, France	MLV		47.2655N	3.0387E
Le Mans, France	LMF		48.0000N	0.2000W
Marseilles, France	MAR	Closed	43.3053N	5.3939E
Mathat, France	MATF		45.8308N	0.2883W
Mazirat, France	MZF	Closed	46.2156N	2.5839E
	MAF		46.2215N	2.5664E
Melley, France	MELF		42.8727N	0.7592E

Mencas, France	MENF	50.5579N	2.1550E
Molkenrain, France	MOF	47.8516N	7.1330E
Mont, France	MONL	43.4328N	0.6506W
Montagnard du Rey, France	REVF	43.0698N	0.3925E
Montagne du Rey, France	REYF	43.0698N	0.3925W
Montbardon, France	MBDF	44.7269N	6.7714E
Monteynard, France	MNY	44.9606N	5.6911E
Montolieu, France	MTLF	43.3411N	2.2175E
Mont Tournerait, France	TOUF MONL	44.0135N 43.4328N	7.2483E 0.6506W
Mont Vial, France	MVIF	43.8963N	7.1525E
Moulis, France	MLS	42.9558N	1.0950E
La Mourre, France	LMR RJF	43.3339N	6.5092E
Mouthoumet, France	MTHF	42.9386N	2.5339E
Office National des Forets, France	ONF	43.0950N	0.427160W
Ogeu, France	OGE	43.1685N	0.4733W
Ordiap, France	ORDF	43.2135N	0.9357W
Oris en	ORIF	44.9183N	5.8800E

Rattier, France

Os-Marcillon, France	OSML		43.3892N	0.5928W
Osseu, France	OSSF		43.2560N	1.2618E
Paris-Parc St. Maur, France	PAR		48.8094N	2.4936E
Les Parou, France	LSPF		42.9481N	1.9042E
Pas de la Coche, France	PCHF		45.2182N	6.0304.5E
Perigny, France	PRVF		46.1635N	1.0507W
Le Pertre, France	LPF		48.0317N	1.0408W
Le Peyrat, France	LPEF		42.9485N	1.9077E
Petit Puy de Manson, France	PYM		45.7506N	3.0079E
Pinerolo, France	PNI		44.5509N	7.1850E
Pioggiola, France	PGF		42.5483N	8.9994E
La Plagne, France	LPL		45.5164N	6.7324E
	LPG		45.4977N	6.7514E
La Plantade, France	PLDF		45.9698N	3.6212E
Le Pouchou, France	LPO		44.6831N	1.1869E
Pouilloux, France	POU		46.6146N	4.3652E
Puy de Dome, France	PDD	Closed	45.7667N	2.9667E
Puyloubier, France	PUYF		43.5323N	5.7003E

France

Quistinic, France	QUIF	47.9167N	3.1656W
Les Rejaudoux, France	RJF	45.3044N	1.5164E
Les Rejaudoux, France	NE18	45.3044N	1.5164E
Rennes, France	RENF	48.0010N	1.6667W
Revere, France	REVF	43.7400N	7.3675E
La Roche sur Yon, France	LRYF	46.5787N	1.5472W
Rognes, France	ROG Closed	43.6840N	5.3127E
Roppe, France	ROF	47.6806N	6.9008E
Roselend, France	RSL	45.6883N	6.6256E
Rostrenen, France	ROSF	48.3364N	3.2736W
Rougiers, France	ROU	43.4014N	5.8457E
Saint Agoulin, France	AGO	46.0524N	3.1311E
Saint Croix de Caderle, France	LASF	44.0761N	3.8570E
Saint Etienne de Tinee, France	STET	44.2590N	6.9290E
Saint Gilles du Mene, France	SGMF	48.2542N	2.5569W
Saint Jean de L'Alberes, France	SJAF	42.4845N	2.8822E
Saint Jean Pied de Port,	SJPF	43.1133N	1.2250W

France

Saint Julien le Roux, France	VIVF		44.8561N	4.6728E
St. Martin du Camgou, France	SMCF	Closed	42.5280N	2.4018E
St.Martin du Fouilloux, France	MFF		46.6022N	0.1458W
St. Nazaire le Desert, France	OCF		44.5783N	5.3021E
Saint Ours, France	SURF		44.4809N	6.8129E
Saint Paul en Foret, France	SPF	Closed	43.5639N	6.6972E
Saint Pierre et Miquelon, France	SPR	Closed	46.7833N	56.1833W
Saint Saulge, France	SSF		47.0615N	3.5060E
	SSF1	Closed	47.1167N	3.5014E
Saint Sauveur de Carouges, France	SSC	Closed	48.5842N	0.1075W
Saint Sauveur en Rue, France	SSB		45.2792N	4.5419E
Salau, France	SALF		42.7600N	1.1894E
Saorge, France	SAOF		43.9864N	7.5553E
Segre, France	SGR		47.7094N	0.9173W
Sermur, France	SER		5.9775N	2.4300W
Signal de Mont, France	SMF		46.6453N	3.8411E
Sospel, France	SBF		43.8361N	7.4352E

Souberoche, France	SOU	44.6614N	5.6903E
La Souterraine, France	LSF	46.2500N	1.5294E
Strasbourg, France	STR	48.5794N	7.7631E
Surbourg, France	SRBF	48.9147N	7.8522E
Targassone, France	TRGS	42.5022N	1.9667E
Tavernes, France	TAVF	43.6173N	6.0578E
They Sous Montfort, France	THEF	48.2282N	5.9940E
Toulx Saint Croix, France	TCF	46.2881N	2.2100E
Trevaresse, France	TREF	43.6241N	5.3839E
Vacheresse, France	OG01	46.3307N	6.6830E
Valcebollere, France	VALF	42.4018N	2.0173E
Viey, France	VIEF	42.8837N	0.0237E
Villefranche- de-Conflent, France	VDCF	42.5908N	2.3656E
Villemus, France	VILF	43.8525N	5.7153E
Villiers-Adam, France	VDM	49.0744N	2.2319E
	NE07	49.0744N	2.2319E
Vittel, France	VITF	48.2172N	5.9844E
Vouglans,	VOU	46.3989N	5.6508E



France				
Welschbruch, France	WLS		48.4128N	7.3536E
Wyntersberg, France	WBF			
Amsterdam Island, France	AIS		37.7966S	77.5694E
Crozet Islands, France	CRZF		46.4296N	51.8612E
Cayenne, French Guiana, France	CAY	Closed	4.9480N	52.3170W
Kourou, French Guiana, France	SAUG	Reserved	5.2070N	52.7320W
Saul, French Guiana, France	SAUG	Reserved		
Basse Terre, Guadeloupe, France	BTG		15.9902N	61.7192W
Bois Riant Capasterre, Guadeloupe France	BCG		16.0850N	61.6197W
Carmichael, Guadeloupe, France	CRG		16.0542N	61.6592W
La Desirade, Guadeloupe, France	DEG		16.3132N	61.0598W
Dongo Capesterre, Guadeloupe, France	DOG		16.0319N	61.6178W
Institut Agronomique, Guadeloupe,	IAG		16.0840N	61.6000E

France

Marie Galante, MGG Guadeloupe, France		15.9180N	61.3170W
Matouba, MBG Guadeloupe, France		16.0480N	61.6840W
Bethel, MBET Montserrat, Guadeloupe		16.7414N	61.1631W
Jackboy Hill, MJHT Montserrat, Guadeloupe		16.7672N	61.1698W
Long Ground, MLGT Montserrat, Guadeloupe		16.7250N	62.1623W
Montserrat, MWI Guadeloupe, France	Closed	16.7130N	62.2220W
Montserrat Volcano Observatory, Guadeloupe	MVOV	16.7465N	62.2283W
St. George's Hill, Montserrat, Guadeloupe	MGH	16.7200N	62.2160W
Le Parnasse, PAG Guadeloupe, France		16.0297N	61.6800W
Mont-d'Or- Baillif, Guadeloupe, France	MLG	16.0613N	61.7103W
Port Louis, SEG Guadeloupe, France		16.4028N	61.5052W
Saint Claude, SCG		16.0289N	61.6810W

Guadeloupe, France					
Saint Francois, SFG Guadeloupe, France			16.2533N	61.1965W	
Sans Toucher, SSG Guadeloupe, France			16.0887N	61.6788W	
Tarade, TAG Guadeloupe, France			16.0420N	61.6642W	
Trois Rivieres, TVG Guadeloupe, France			15.9797N	61.6478W	
Cave, KCA Kerguelen Is., France			49.3480S	70.2180E	
Monts Chateau, KCH Kerguelen Is, France			49.2440S	70.1450E	
Pointe Molloy, PMK Kerguelen Is., France			49.3609S	70.0669E	
Port Douzieme, KPD Kerguelen Is., France			49.5170N	70.1570E	
Port aux Francais, Kerguelen Is., France	PAF		49.3506S	70.2133E	
Port Bizet Kerguelen Is, France	KPB		49.5200S	69.9010E	
Aileron Martinique, France	AIL	Closed	14.8010N	61.1080W	
Basse Terre, Martinique,	BTG		15.5924N	61.4309W	

France			
Bellevue, Martinique, France	BVM	14.7350N	61.0630W
Bigot, Martinique, France	BIM	14.5170N	61.0708W
Bois Riant Capesterre, Martinique, France	BCG	16.0850N	61.6197W
Caravelle, Martinique, France	CRM	14.7537N	60.9155W
Fort de France, Martinique, France	FDF	14.7333N	61.1503W
Montagne du Vauclin, Martinique, France	MVM	14.5545N	60.8955W
Mont Pele, Martinique, France	MPM	14.8120N	61.1680W
Morne La Croix, Martinique, France	CXM	14.8113N	61.1685W
Pele Case Petit, Martinique, France	PCM	14.8155N	61.2105W
Pelee Aileron, Martinique, France	PAI	14.8045N	61.1565W
Pelee Desile, Martinique, France	PDM		
Pelee Morne	PML	14.7810N	61.1838W

Lenard, France				
Pelee Morne Calebasse, Martinique, France	PMCB		14.7968N	61.1487W
Savane Anatole, Martinique, France	SVN		14.8417N	61.1678W
Mauritius, Is., France	MRI	Closed	20.1000S	57.5300E
Mont Dzumac, New Caledonia, France	DZM		22.0711S	166.4444E
Koumac, New Caledonia, France	KOU		20.5619S	164.2814E
Ouanaham, Loyalty Island, New Caledonia, France	OUA		20.4629S	167.1438E
Noumea, New Caledonia, France	NOU		22.3100S	166.4506E
	NOC		22.2840S	166.4320E
Port Laguerre, New Caledonia, France	NOUC		22.1008S	166.3030E
Riviere de L' Est, Reunion, France	RER		21.1590S	55.7460E
La Plaine des Cafres, Reunion, France	PCR	Closed	21.1957S	55.5778E
Reunion, France	REU		21.0936S	55.4500E
Saint Pierre, St. Pierre and Miquelon	SPR		46.7833N	56.1833W

Afareaitu, Moorea, Society Islands, France	AFR		17.3218S	149.4640W
Rauvai, Society Is., France	RUV		15.1120S	147.2302W
Tahiti, Society Islands, France	TAH	Closed	17.4400S	149.1800W
Paea, Tahiti, Society Is., France	PAE		17.3943S	149.3448W
Papeete, Society Is., Tahiti, France	PPT		17.3408S	149.3432W
Papeete-ORSTOM, Society Islands, France	THT		17.5690S	149.5742W
Papenoo, Society Is., Tahiti, France	PPN		17.3151S	149.2556W
Taravao, Tahiti	TVO		17.7825S	149.2517W
Amanu, Tuamotu, France	AMN		17.5102S	140.5133W
Faratahi, Tuamotu, France	FRT		18.1700S	141.0322W
Nake, Tuamotu, France	NAE		18.4326S	140.6689W
Otepa, Tuamotu, France	OTP		18.1003S	140.5124W
Pomariorio, Tuamotu, France	PMO		15.0036S	147.8972W
Rauvai, Tuamotu, France	RUV		15.1889S	147.3839W
Tuputa,	TPT		14.9844S	147.6197W

Tuamotu, France			
Vaihoa, Tuamotu, France	VAH	15.2389S	147.6311W
Rikitea, Gambier Islands, Tuamotu, France	RKT	23.1197S	134.9733W
Tubuai Island, France	TBI	23.3489N	149.4608W

## Gabon

Bambay, Gabon	BAMB	1.6550S	13.4467E
Masuku, Gabon	MSKU	1.6557N	13.6116E

## Georgia

Abastumani, Georgia	ABS	41.7500N	42.8333E
Akhalkalaki, Georgia	AKH	41.4000N	43.4833E
Bakhurian, Georgia	BKR	41.7333N	43.5167E
Barusakho, Georgia	BROG	42.4500N	44.9300E
Bogdanovka, Georgia	BGD	41.2667N	43.6000E
Borzhomi, Georgia	BOR	Closed	41.8333N 42.3833E
Dmanisi, Georgia	DMNS	41.3000N	44.2000E
Dusheti, Georgia	DUS	42.0833N	44.7000E
Gegechkori, Georgia	GEG	42.3500N	42.3833E

Gori, Georgia	GOR	41.9833N	41.1167E
Khaishi, Georgia	KHS	42.9000N	42.2000E
Kumisi, Georgia	KYM	41.6300N	44.7300E
Lagodekhi, Georgia	LGD	41.8000N	46.3000E
Martvili, Georgia	MARV	42.4100N	42.3800E
Mtatsminda, Georgia	MTA	41.7000N	44.8000E
Oni, Georgia	ONI	42.6000N	43.5000E
Saberio, Georgia	SAB	42.6000N	41.9000E
Sart'ichala, Georgia	SRCG	41.7000N	45.1600E
Tbilisi, Georgia	TIF	41.7167N	44.8000E
	TI2	41.7333N	44.7500E
Tkibuli, Georgia	TKI	42.3000N	43.0000E
T'onet'i, Georgia	TNTG	41.6600N	44.4100E
T'rialet'i, Georgia	TRLG	41.5300N	71.1400E
Tsebelda, Georgia	TSE	43.0000N	41.3000E
Tsey, Georgia	ZEI	42.7700N	43.8984E
Tsit'eli Tsaqaro, Georgia	ZTZ	41.4600N	46.1100E
Zugdidi, Georgia	ZUG	42.5167N	41.8833E



## Germany

Aachen, Germany	AAC	Closed	50.7833N	6.0833E
Alteburg, Germany	ABH		49.8817N	7.5475E
Bad Reichenhall, Germany	BHG		47.7214N	12.8789E
Bad Segeberg, Germany	BSEG		53.9353N	10.3169E
Bensburg, Germany	BNS		50.9639N	7.1756E
Berggiesshubel, Germany	BRG		50.8739N	13.9458E
Bergheim, Germany	BEG		50.9613N	6.6557E
Berlin, Germany	BRN		52.4188N	13.2031E
Berlin Free- University, Germany	BRL		52.4715N	13.2904E
Berlin Lankwitz, Germany	BRNL		52.4278N	13.3580E
Beuren, Germany	BEU		48.5838N	9.4153E
Black Forest Ovservatory (Schiltach), Germany	BFO		48.3311N	8.3303E
Bochum, Germany	BOC		51.4894N	7.2139E
	BUG		51.4455N	7.2643E

Burg Eltz, Germany	BGG		50.2060N	7.3372E
Buehlerhoehe, Germany	BUH		48.6755N	8.2284E
Burg-Eltz, Germany	BGG		50.2060N	7.3372E
Clausthal, Germany	CLZ		51.8249N	10.3741E
Collm, Germany	CLL		51.3100N	13.0033E
Cologne, Germany	CLG		50.9283N	6.9350E
Espenschied, Germany	ESP		50.0992N	7.8932E
Falkenberg, Germany	FALK		49.8606N	12.2208E
Feldburg in Schwarzwald, Germany	FEL	Closed	47.8758N	8.0127W
	FELD		47.8763N	8.0040E
Freiburg im Breisgau, Germany	FBB		48.0017N	7.8532E
Fuerstenfeld- bruck, Germany	FUR		48.1655N	11.2763E
Furtwangen, Germany	FWS		48.0530N	8.1976E
Garmisch- Partenkirchen, Germany	GAP		47.4767N	11.0644E
GERES Array Beam Reference Point, Germany	GERES		48.8451N	13.7016E
GERES Array A0 Site, Germany	GEA0		48.8368N	13.7019E
	GEA1		48.8363N	13.7019E

	GEA2	48.8386N	13.7018E
	GEA3	48.8350N	13.7000E
B1	GEB1	48.8389N	13.7075E
	GEB2	48.8395N	13.6986E
	GEB3	48.8370N	13.6960E
	GEB4	48.8327N	13.6989E
	GEB5	48.8346N	13.7059E
C1	GEC1	48.8412N	13.7099E
	GEC2	48.8451N	13.7016E
	GEC3	48.8424N	13.6917E
	GEC4	48.8352N	13.6875E
	GEC5	48.8296N	13.6957E
	GEC6	48.8268N	13.7090E
	GEC7	48.8354N	13.7145E
D1	GED1	48.8518N	13.7148E
	GED2	48.8532N	13.6964E
	GED3	48.8465N	13.6818E
	GED4	48.8386N	13.6807E
	GED5	48.8246N	13.6807E
	GED6	48.8194N	13.6966E
	GED7	48.8209N	13.7159E
	GED8	48.8332N	13.7261E
	GED9	48.8434N	13.7238E
Goettingen, Germany	GTT	51.5464N	9.9642E
Graefenberg,	GG-GR Closed	49.6922N	11.2153E

Germany	GRFO	49.6922N	11.2153E
Graefenberg Array, Erlangen, Germany	GRF	49.6919N	11.2217E
Haidhof,	GRA	49.6919N	11.2217E
Wildenfels,	GRA2	49.6550N	11.3600E
Leutzdorf,	GRA3	49.7622N	11.3193E
Stoepfach,	GRA4	49.5655N	11.4359E
	GRA5		
Bruennthal,	GRB1	49.3922N	11.6537E
Reichertswinn,	GRB2	49.2712N	11.6691E
Eglofen,	GRB3	49.3439N	11.8065E
Aicha,	GRB4	49.4688N	11.5615E
Vorderoedberg,	GRB5	49.1111N	11.6789E
Eglofsdorf,	GRC1	49.9960N	11.5220E
Boehinfeld,	GRC2	49.8680N	11.3750E
Bettbrunn,	GRC3	49.8904N	11.5851E
Raitenbuch,	GRC4	49.0870N	11.5270E
Grosshau, Germany	GSH	50.7373N	6.3738E
Gutenstein, Germany	GUT	48.0707N	9.1153E
Halle, Germany	HLE	51.4979N	11.9569E
Hamburg, Germany	HAM	53.4651N	9.9248E
Hattorf, Germany	HAT	50.8297N	9.9442E
Heidelberg,	HEI	49.3986N	8.7264E

Germany

Heidenheim- Charlottenhole, Germany	HDH		48.5842N	10.2070E
Helgoland, Germany	HLG		54.1847N	7.8839E
Hof, Germany	HOF		50.3136N	11.8775E
Hoffen, Germany	HOFF		48.9417N	7.9639E
Hohenheim, Germany	HOH	Closed	48.7167N	9.2167E
Hohkeppel, Germany	HOK		50.9803N	7.3122E
Hundersingen, Germany	HUN		48.0792N	9.4083E
Ibbenbueren, Germany	IBBN		52.3072N	7.7566E
Jackerath, Germany	JCK		51.0363N	6.4318E
Jena, Germany	JEN	Closed	50.9519N	11.5883E
Juelich, Germany	JUE		50.9128N	6.4098E
Jugenheim, Germany	JUG	Closed	49.7667N	8.6000E
Kalltalsperre, Germany	KLL		50.6461n	6.3111E
Kalmit, Germany	KTD		49.3202N	8.0837E
Karlsruhe, Germany	KRL		49.0108N	8.4122E
Karlsruhe-west, Germany	KRW		49.0214N	8.3681E
Kirchzarten,	KIZ		47.9562N	7.9182E

Germany				
Koppel, Germany	KOE		50.4253N	7.7316E
Leipzig, Germany	LEI	Closed	51.3350N	12.3917E
Lerchenberg, Germany	LBG		48.6662N	8.7948E
Liddow, Germany	LID			
Limburg, Germany	LIBD		48.1504N	7.6023E
Mechernich, Germany	MEC	Closed	50.6000N	6.6667E
Messtetten, Germany	MSS		48.1792N	8.9661E
Moessingen, Germany	MSG		48.3992N	9.0333E
Moxa, Germany	MOX		50.6461N	11.6161E
Muenster Westfalen, Germany	MWG		51.9627N	7.6241E
Munich, Germany	MNH	Closed	48.1500N	11.6000E
Napfberg, Germany	NAPF		49.8887N	12.0517E
Neipperg, Germany	NEI		49.1083N	9.0417E
Noerdlingen, Germany	NRD	Closed	48.8500N	10.4833E
Nottersdorf, Germany	NOTT		49.8110N	12.1223E
Pirmasens, Germany	PIR		49.2000N	7.6074E

Plauen, Germany	PLN		50.4867N	12.1589E
Potsdam, Germany	POT		52.3083N	13.0678E
Pulheim, Germany	PLH		51.0053N	6.8205E
Ravensburg, Germany	RAV		47.7833N	9.6139E
Rotzenmuhle, Germany	ROTZ		49.7776N	12.2084E
Ruedersdorf, Germany	RUE		52.4800N	13.7800E
Rugen, Germany	RGN		54.5477N	13.3214E
Ruppelstein, Germany	RUP		49.7017N	7.0603E
Schiltach Black Forest Observatoryk, Germany	BFO		48.1952N	8.1949E
Sigmaringen- Wittberg, Germany	SGW		48.1067N	9.2152E
Sindeldorf, Germany	SIND		49.3488N	9.6058E
Sonneberg, Germany	SON	Closed	50.3782N	11.1925E
Spaichingen- Kochelsberg, Germany	SPAK		48.1023N	8.7860E
Steinbach, Germany	STB		50.5953N	6.8400E
Stuttgart, Germany	STU		48.7719N	9.1950E

Taunus, Germany	TNS		50.2236N	8.4489E
Tromm, Germany	TOD		49.6057N	8.8038E
Tuebingen, Germany	TUB	Closed	48.5269N	9.0611E
Uberruh, Germany	UBR		47.6808N	10.1081E
Vlagtwedde, Germany	VLW		52.9694N	7.0982E
Wettzell, Germany	WET		49.1453n	12.8800E

## Ghana

Akosombo, Ghana	AKGH		6.2433N	0.0403E
Ho, Ghana	HOGH		6.6092N	0.4450E
Koforidua, Ghana	KOGH		6.0861N	0.2439E
Kukurantumi, Ghana	KUK		6.1890N	0.3690E
Legon, Ghana	LEGH		5.6483N	0.1814E
	LGG	Closed	5.6483N	0.1967E
Saltpond, Ghana	SPG		5.2000N	1.0667W
Shai Hills, Ghana	SHGH		5.2983N	0.0419E
Tema, Ghana	TEGH		5.6367N	0.0014E
Weija, Ghana	WEGH		5.5933N	0.3269E
Winneba, Ghana	WIGH		5.3636N	0.6189E



## Grand Cayman

Grand Cayman	GCM	19.2898N	81.3814W
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## Greece

Agios Georgios, Greece	AGG	39.0222N	22.3303E
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Aggia Anna, Greece	VAG	38.3161N	22.9003E
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Alexandroupolis, Greece	ALN	40.8972N	26.0456E
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Alonnisas, Greece	AOS	39.1703N	23.8800E
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Apeiranthos of Naxos, Greece	APE	37.0689N	25.5306E
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Aper, Greece	APER	35.5504N	27.1741E
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Arkhangelos, Greece	ARG	36.2161N	28.1261E
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Anorgos, Greece	AMOR	36.9898N	25.9863E
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Athens, Greece	ATH	37.9722N	23.7167E
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Anoyia, Crete, Greece	IDI	35.2880N	24.8900E
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Erithrai, Greece	VTH	38.2006N	23.3600E
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Evritania, Greece	EVR	38.9167N	21.8087E
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Filaki, Greece	VFI	39.2352N	22.5921E
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Florina, Greece	FNA	40.7838N	21.3762E
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Fodele, Greece	FODE	35.3797N	24.9576E
Gavdhos, Greece	GAVD	34.8432N	24.0862E

Greece	GVD		34.8391N	24.0874E
Glafira, Greece	VGL		39.4456N	22.8842E
Griva, Greece	GRG		40.9567N	22.4014E
Igoumenitsa, Greece	IGT		39.5325N	20.3325E
Ithomi, Greece	ITM		37.1797N	21.9267E
	ITHO		37.1786N	21.9252E
Ioannina, Greece	JAN		39.6567N	20.8508E
Kartpathos, Greece	KAP		35.5508N	27.1747E
Kastellorizon, Greece	KSL		36.1190N	29.5833E
Kastoria, Greece	KSO		40.5225N	21.2775E
Kendrikon, Greece	KNT		41.1619N	22.8981E
Kerkira, Greece	KEK		39.7130N	19.7987E
Khrisi, Greece	XRY		34.8478N	25.6943E
Khios Island, Greece	XIO	Closed	38.2567N	26.0408E
Kithira, Greece	KYTH		36.2087N	23.0363E
Koumaradei, Greece	KOUM		37.7041N	26.8377E
Kozani, Greece	KZN		40.3067N	21.7708E
Kristallenia, Greece	KRIS		35.1780N	25.5030E
Levkas, Greece	LKD		38.7072N	20.6506E

Limnos, Greece	LIA	39.8981N	25.1831E
	LOS	39.9342N	25.0814E
Litokhoron, Greece	LIT	40.1008N	22.4900E
Lokris, Greece	LKR	38.6506N	22.9994E
Milos, Greece	MHL	36.6828N	24.3958E
Markatai, Greece	VMA	38.7058N	23.5876E
Moni Apezanon, Greece	APEZ	34.9777N	24.8859E
Neapolis, Greece	NPS	35.2625N	25.6125E
Neapolis, Greece	NPS	35.2625N	25.6125E
Neochorion, Greece	VNE	39.3119N	23.2322E
Neokhori, Greece	NEO	39.3067N	23.2235E
Nevrokopi, Greece	NVR	41.3500N	23.8619E
Nisiros, Greece	NISR	36.6117N	27.1283E
Nisos Skiros, Greece	SKY	38.8778N	24.5500E
Ouranopolis, Greece	OUR	40.3344N	23.9819E
Paliourion, Greece	PAIG	39.9272N	23.6797E
Paraskevi, Greece	PRK	39.2461N	26.2717E
Patras, Greece	PAT	38.2364N	21.7467E

Pavliani, Greece	VPA		38.7815N	22.3400E
Penteli, Greece	PTL		38.0489N	23.8647E
Polygyros, Greece	PLG		40.3739N	23.4456E
Rhodes, Greece	RHO	Closed	36.4372N	28.2236E
Riolos of Patras, Greece	RLS		38.0578N	21.4667E
Rodhopi, Greece	RDO		41.1462N	25.5375E
Samos, Greece	SMG		37.2087N	26.8370E
	SMS	Closed	37.8000N	26.7000E
Santorini, Greece	SANT		36.3710N	25.4590E
Serrai, Greece	SRS		41.1172N	23.5922E
Simia, Greece	VSI		38.8793N	23.2090E
Skopelos, Greece	VSK		39.1106N	23.6934E
Skordalos, Greece	SKOR		35.4120N	23.9280E
Sokhos, Greece	SOH		40.8217N	23.3539E
Thessaloniki, Greece	THE		40.6322N	22.9650E
Tripolis, Greece	TRL			
Valsamata, Greece	VLS		38.1772N	20.5897E
Vamos, Greece	VAM		35.4069N	24.1997E
Veliai, Greece	VLI		36.7182N	22.9370E

Vamos, Crete, Greece	VAM	35.2425N	24.1159E
Xorikhtion, Greece	XOR	39.3361N	23.1919E
Zante, Greece	ZAN	37.6500N	20.6667E
Cyprus Station, Cyprus	CSS	34.9622N	33.3306E
Famagusta, Cyprus, Greece	FAM	34.9961N	34.0019E
Kantara, Cyprus, Greece	KANT	35.3830N	33.8800E
Lefka, Cyprus, Greece	LEF	35.1193N	32.8903E
Lefkocse, Cyprus, Greece	LFK	35.2792N	33.5325E
Nicosia, Cyprus, Greece	NIC	35.1564N	33.3450E
Paphos, Cyprus, Greece	PPCY	34.8847N	32.3450E

## Grenada

St. George's, Grenada	GRE	12.0470N	61.7460W
Mt. Saint Catherine, Grenada	GRW	12.1600n	61.6600W

## Guatemala

Guatemala	UJZ	15.0430N	92.0500E
	ZZA	15.0800N	92.1900W
	UJZ	15.0430N	92.5000E

Buena Vista, Guatemala	BVA		14.6667N	90.6373W
Bouganvilia, Guatemala	BVG	Closed	14.1080N	90.9397W
Cantorama, Guatemala	CTRG		14.6608N	89.7867W
Chimachoy, Guatemala	CIM	Closed	14.5838N	90.8667W
La Concha, Guatemala	LHG		14.4450N	91.1825W
La Cumbre, Guatemala	CMG		14.6707N	89.7853W
	CMG2		14.6608N	89.7867W
Las Flores, Guatemala	FLS		13.8943N	90.0658W
Fuego, Guatemala	FGO		14.4457N	90.8405W
	2,	FGO2	14.4387N	90.8358W
	3,	FUG	14.4478N	90.8420W
Guatemala City, Guatemala	GCG		14.5862N	90.5328W
Guatemala Basin OBS, Guatemala	OBS1		3.9981N	91.9981W
	OBS2		6.5569N	93.5519W
	OBS3		7.8381N	94.3689W
	OBS4		12.7400N	91.0161W
	OBS5		12.6519N	90.8519W
	OBS6		12.6939N	90.8519W
	OBS7		12.7911N	90.9119W
	OBS8		12.7169N	90.9369W
Huitzitzil, Guatemala	HUG		14.0208N	91.3235W

Itzapa, Guatemala	ITG		14.5968N	90.8455W
Ixpaco, Guatemala	IXG		14.1742N	90.4545W
Jato, Guatemala	JAT		14.3180N	91.6367W
Jumaytepeque, Guatemala	JMG		14.3387N	90.2703W
Junjel, Guatemala	JNJ		15.3988N	91.4287W
Kiajanaja, Guatemala	KJA		15.7398N	91.7827W
Kika Raxquin, Guatemala	KIK		14.8130N	91.4105W
Kukul, Guatemala	KKG		14.9750N	92.0360W
Magdalena Hilpas Ahas, Guatemala	MMG		14.5380N	90.6815W
Magdalena Milpas Altas, Guatemala	MMG		14.5380N	90.6815W
Marmol, Guatemala	MRL		15.0658N	89.6912W
Moyuta, Guatemala	MYT		14.0472N	90.0642W
Las Nubes, Guatemala	NBG		14.5875N	90.3467W
Ocos, Guatemala	OCG	Closed	14.5655N	92.1217W
	-2	OC2	14.5605N	92.1862W
Olintepeque, Guatemala	OLG	Closed	14.8977N	91.5077W
Pacaya, Guatemala	PCG		14.3938N	90.6075W

Puerto de San Jose, Guatemala	PSG	Closed	13.9478N	90.7955W
	PSG2		13.9522N	90.8155W
Quetzaltepeque, Guatemala	QZG		14.6363N	89.3840W
Rabinal, Guatemala	RDG		15.0075N	90.4718W
Recreo, Guatemala	REC		14.4375N	90.5227W
Sacbichol, Guatemala	SBL		14.8917N	91.2787W
Sacranix, Guatemala	SXG		15.5058N	90.4197W
San Antonio La Paz, Guatemala	SLP		14.7430N	90.2828W
San Juan Tecuaco, Guatemala	SJT		14.0813N	90.2688W
Santiaguito, Guatemala	1 SOG		14.7763N	91.5877W
	2 SOG2		14.7172N	91.5703W
Sibinal, Guatemala	SBG		15.1320N	92.0535W
Sinonel, Guatemala	SLG		14.7078N	91.6355W
Los Tablones, Guatemala	LTG		14.9625N	90.1553W
Tacan'a, Guatemala	TCG		15.1228N	92.0858W
Tecpan, Guatemala	TEP	Closed	14.7878N	90.9715W
	2, TP2	Closed	14.7833N	91.0213W
Tecuaco, Guatemala				



Tapachula, Guatemala	TPX		14.9050N	92.2611W
	TLA		15.0289N	92.2000W
Terranova, Guatemala	TER		14.3023N	90.6837W
Velasquez, Guatemala	VLG	Closed	14.2405N	91.0017W
La Victoria, Guatemala	LVG	Closed	14.9662N	91.0950W
Yupiltepeque, Guatemala	YUP		14.2013N	89.8015W
Zishin, Guatemala	ZIS		14.0333N	91.4550W

## Guinea

Kindia, Guinea	KING		9.9638N	12.8685W
Labe, Guinea	LABG		11.2328N	12.3322W
Mamou, Guinea	MAMG		10.2645N	11.9650W
Moca, Guinea	MFP		3.3427N	8.6604W

## Haiti

Black River, Haiti	BRJ		18.0200N	77.5206W
Seminaire Saint Martial, Haiti	SSM	Closed	18.5556N	72.3375W

## Honduras

Las Aradas, Honduras	LHAH		14.0500N	87.4083W
La Ceiba Honduras	LCBH			

Cerro de Hula Honduras	CHUH		13.9417N	87.2333W
Cerro de Hule, Honduras	HLH		13.8375N	87.2583W
Lepaterique, Honduras	LTH		14.0708N	87.3458W
Puerto Cortes, Honduras	PCOH			
San Pedro Sula, Honduras	SSU	Closed	15.5000N	88.0500W
	SPSH			
Universidad Nacional Autonoma de Honduras	UNAH		14.0750N	87.1750W

## Hungary

Bekescsaba, Hungary	BKE		46.6125N	17.8930E
Budapest, Hungary	BUD		47.4836N	19.0239E
Debrecen, Hungary	DEB	Closed	47.5611N	21.6389E
Josvafo, Hungary	JOS		48.4958N	20.5394E
Kalocsa, Hungary	KAL	Closed	46.5286N	18.9764E
Kecskemet, Hungary	KEC		46.9122N	19.6933E
Piszkesteto, Hungary	PSZ		47.9184N	19.8944E
Sopron, Hungary	SOP		47.6833N	16.5583E
Szeged, Hungary	SZE	Closed	46.2483N	20.1414E

Tihaney, Hungary	TIH		46.9000N	17.8930E
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Uzd, Hungary	UZD		46.5925N	18.5818E
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## Iceland

Akureyri, Iceland	AKU		65.6867N	18.1067W
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	AKU- Closed		65.6717N	18.1000W
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Bogarnes, Iceland	BORG		64.7474N	21.3268W
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Egikstadir, Iceland	EGI		65.2833N	14.3833W
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Hahryggur, Iceland	HAH		64.1185N	21.2828W
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Ljotipollur, Iceland	LJO		64.0235N	19.0230W
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Reykjavik, Iceland	REY		64.1389N	21.9061W
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Sida, Iceland	SID		63.7858N	18.0583W
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Vik, Iceland	VIK	Closed	63.4217N	19.0167W
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## India

India	NGJA		26.4224N	91.4030E
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India	UMI		25.3100N	92.4400E
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Agartala, India	AGT		23.8833N	91.2500E
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Agra, India	AGR	Closed	27.1333N	78.0167E
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Aizawl, India	AZL		23,7200N	92.7300E
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Ajmer, India	AJM		26.4792N	74.2324E
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	AJMR		26.4791N	74.6432E
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Akola, India	AKL	20.7028N	77.0153E
Allahabad, India	ALBI	25.3090N	81.8085E
Assam India	BKOA	25.9833N	91.2667E
Assam India	NGJA	26.7067N	91.6750E
Bahraich, India	BRCI	27.5667N	81.5833E
Bhakra, India	BHK	31.4167N	76.4167E
Bhandari, India	BHDI	26.2800N	94.1492E
Bhopal, India	BHPL	23.2410N	77.4245E
Bhubaneshwar, India	BWNR	20.2955N	85.8058E
Bhuj, India	BHJ	23.2500N	69.6833E
	BHUJ	23.2540N	69.6540E
Bilaspur, India	BLPI	22.0833N	82.4167E
	BLSP	22.1291N	82.1319E
Bokaro, India	BOK	23.7948N	85.8858E
	BOKR	23.7948N	85.8859E
Bombay, India	BOM	18.8958N	72.8127E
Bomdila, India	BMI	27.2675N	92.4230E
Calcutta, India	CAL	22.5392N	88.3307E
Chanki, India	CHKI	26.4292N	94.3983E
Chennai, India	MDR	13.0000N	80.1833E
	MDRS	13.0680N	80.2463E

Dalhousie, India	DLH	Closed	32.5417N	75.9667E
Dehra Dun, India	DDI		30.3225N	78.0556E
Delhi, India	DEIO		23.6833N	77.2167E
Garurganda, India	GARI		30.4525N	79.4445E
Gauribidanur, India	GBA		13.6042N	77.4361E
Goa, India	GOA		15.4917N	73.8247E
Govalkot, India	GOV	Closed	17.5400N	73.4883E
Guwahati, India	GWH		26.1500N	91.7300E
Haflong, India	HLGA		25.1600N	93.0167E
Hamren, India	HMNA		25.9233N	92.6083E
Howrah, India	HOW		22.4167N	88.3092E
Hyderabad, India	HYD	Closed	17.4333N	78.4500E
Hyderabad National Geophysical Inst. India	HYB		17.4169N	78.5531E
Imphal, India	IMP		24.7833N	93.9333E
Itanagar, India	INR		27.0800N	93.6000E
Jammu, India	JMU		32.7167N	74.9000E
Jhansi, India	JHNI		25.4658N	78.5395E
Jorhat, India	JHI		37.7333N	94.16671E
Jwalamukhi, India	JWA	Closed	31.8667N	76.3333E

Jyotipuram, India	JYP		33.1083N	74.8500E
Kakani, India	KKN		27.7900N	85.2800E
Kalpa, India	KLP		31.5333N	78.2500E
Karad, India	KAD		17.3075N	74.1833E
	KARD		17.3074N	74.1834E
Karaikal, India	KRKL		10.9000N	79.8667E
Kaziranga, India	KZI		26.5767N	94.4083E
Khonsa, India	KOI		26.9833N	95.5000E
Kodaikanal, India	KOD		10.2333N	77.4667E
Kohima, India	KHM		25.6631N	94.0761E
Kongan, India	KGNI		26.7558N	94.8383E
Kothi, India	KOTI		32.3077N	77.2000E
Koyna Nagar, India	KNI	Closed	17.3967N	73.8383E
Kurukshetra, India	KKR		29.9633N	76.8250E
Lahore, India	LAH		31.5500N	74.3333E
Latur, India	LATR		18.4163N	76.5595E
Likhapani, India	LKP		27.3333N	96.0667E
Lodi Road, India	LDR		28.5833N	77.2167E
Lohaghat, India	LGAT		29.4500N	81.8333E
Mahableshwar, India	MAH	Closed	17.8900N	73.6500E

Mangalore, India	MNGI		12.9417N	74.8227E
Meerut, India	MEE	Closed	28.9167N	77.6667E
Minicoy, India	MNCI		7.3000N	73.1383E
Mukerian, India	MUK		31.9500N	75.6167E
Nagpur, India	NGP		21.1500N	79.0500E
Nalgonda, India	NLG		17.0669N	79.2672E
New Delhi, India	NDI		28.6833N	77.2167E
Nongstoin, India	NGNA		25.5217N	91.2720E
Nurpur, India	NURP		32.2667N	75.8967E
Pala-Maneri India	PLMI		30.8417N	78.6292E
Panbari, India	PNBI		26.5333N	93.4833E
Pithoragarh, India	PTH		29.5500N	80.2167E
Pong, India	PONG		31.9533N	73.9500E
Poona, India	POO		18.5295N	73.8492E
	PUNE		18.5296N	73.8491E
Port Blair Andaman Islands, India	PBA		11.6667N	92.7167E
Pune, India	POO		18.5295N	73.8492E
Ramban, India	RMBN		33.2312N	75.2455E
Rohtak, India	ROH	Closed	28.9000N	76.6000E
Roorkee, India	ROO			
Satara, India	STA	Closed	17.6950N	74.0000E

Sehore, India	SEH		23.1667N	77.0833E
Shilliguri, India	SLGI		26.7000N	88.4167E
Shillong, India	SHL		25.5667N	91.8833E
	SHIO		25.5667N	91.8833E
Simla, India	SMI	Closed	31.1000N	77.1833E
	SMLA		31.1283N	77.1667E
Sohna, India	SONA		28.2500N	77.0833E
Sonipat, India	SNP		28.9833N	77.0000E
Srinagar, India	SRNI	Closed	34.1000N	74.8500E
Sundarnagar, India	SDNR		31.5000N	76.9700E
Tezpur, India	TZR		26.6333N	92.8000E
	TEZ	Closed		
Thein Dam, India	THN		32.4333N	75.7167E
Tocklai, India	TOC		26.7500N	94.7667E
Trivandrum, India	TRD		8.5080N	76.9585E
	TRUM		8.5080N	76.9585E
Tura, India	TURI		25.5500N	90.3333E
Udhampur, India	UDP		32.9017N	75.0800E
Valmikinagar, India	VLK		27.3167N	83.8667E
Varanasi, India	VAR		25.3000N	83.0167E
Vijayawada,	VJD		16.5167N	80.6500E



India				
Vishakhapatnam, VIS India			17.7210N	83.3287E
	VISK		17.7210N	83.3287E
Vizianagram, India	VIZ	Closed	18.1167N	83.4500E
Wadia Institute Dehra Dun, India	WIHG		30.3285N	78.0130E
Warangal, India	WGL		17.9850N	79.5300E
Yaongyimsen, India	YYI		26.5667N	94.6833E

## Indonesia

Indonesia	BIK			
	JAYA			
	KRKI			
	KROI			
	TGLI			
	TNDI			
	WWII			
Aeknabara, Indonesia	AEKI		2.1017N	98.5300E
Ambon, Indonesia	AMO		3.7000S	128.16667
	AAI		3.6870S	128.1945E
Awu, Indonesia	AWU	Closed		
Balikpapan, Indonesia	BKB	Closed	1.2558S	116.0155E
	BKB2		1.2605N	116.8963E

Banda Aceh, Indonesia	BSI		5.4962N	95.2947E
Banda Neira, Indonesia	BNJ			
Bandung, Indonesia	BND	Closed	6.5400S	107.3900E
Baumata, Indonesia	BWTI		10.2000N	123.7000E
Bengkulu, Indonesia	BGI		3.3900S	102.3400E
Biak, Indonesia	BAKI		1.0218S	136.2046E
Buntu Taipa, Indonesia	BUNI		3.6578S	120.3231E
Buton, Indonesia	BTNI		5.0000S	122.9167E
Denpasar, Indonesia	DNP		8.6672S	115.2102E
Dili, Indonesia	DLI		8.5609S	125.5533E
Gedeh, Indonesia	GED	Closed	7.8333S	113.8333E
Gunungsitoli, Indonesia	GSI		1.3033N	97.5757E
Huta Ginjang, Indonesia	HUTI		2.3153N	98.9711E
Ingas, Indonesia	INGI		8.8183S	115.1447E
Jakarta, Indonesia	DJA		6.1833S	106.8362E
Jayapura, Indonesia	JAY		2.5148S	140.7047E
Jehsanih,	JEHI		8.0833S	115.2125E

Indonesia				
Kawah Idjen, Indonesia	KIJ		8.0667S	114.2333E
Kahang-Kahang, Indonesia	KHKI		8.3643S	115.6082E
Kaliastana, Indonesia	KALI		7.1064S	106.6589E
Kapahiang, Indonesia	KSI		3.6338S	102.5923E
Kappang, Indonesia	KPNG		5.0055S	119.4503E
Kapi, Indonesia	KAPI			
Kawah Idjen, Indonesia	KIJ	Closed	8.0667S	114.2333E
Kedomgong, Indonesia	KEDI		8.0181S`	116.0792E
Kelaktan, Indonesia	KELI		8.2167S	114.4908E
Kelud, Indonesia	KEL	Closed	8.1000S	112.9000E
Korintji-Kaba Dempo, Indonesia	KKD	Closed	3.7000S	102.9333E
Kotabumi, Indonesia	KLI		4.8632S	104.8567E
Kupand, Indonesia	KUPT		10.1513S	123.6053E
Kupang, Indonesia	BWTI		10.1513S	123.6053E
	KUP	Closed	10.1678S	123.5864E
	KUPT		10.1513S	123.6053E
Lamongan, Indonesia	LAM	Closed		

Lau Rambong, Indonesia	LARI		2.8856N	98.1572E
Lembang, Indonesia	LEM		6.8263S	107.6175E
Malabar, Indonesia	MLB	Closed	7.2167S	107.6167E
Manado, Indonesia	MNI		1.4430N	124.8395E
Mariponipon, Indonesia	MRPI		1.6125N	99.3172E
Maron, Indonesia	MAJ	Closed	7.5667S	110.4167E
Martimbang, Indonesia	MARI		1.9603N	98.9681E
Medan, Indonesia	MED	Closed	3.5500N	98.6833E
Mendum Tagoi, Indonesia	MENI		2.5103S	140.4168E
Merapi, Indonesia	MRP	Closed	7.4000S	110.2667E
Mount Pasian, Indonesia	MPP		7.5350N	126.0105E
Nabire, Indonesia	NABI		3.3269S	135.2403E
Nuabosi, Indonesia	NUA	Closed		
Niniconang, Indonesia	NINI		4.4225S	119.7564E
Padangpanjang, Indonesia	PPI		0.4568S	100.3970E
Palu, Indonesia	PCI		0.9048S	119.8367E
Pancar Batu, Indonesia	PCBI		1.8900N	98.9253E

Pancar Gunung, Indonesia	PACI		6.5928S	106.9103E
Pasiripis, Indonesia	PASI		6.6894S	105.5889E
Pendagan, Indonesia	PENI		5.5667S	105.1711E
Padangpanjang, Indonesia	PPI		0.4568S	100.3970E
Prapat, Indonesia	PSI		2.6950N	98.9240E
Pulasari, Indonesia	PULI		6.3450S	105.9756E
Pulau-Weh, Indonesia	PWS	Closed	5.8333S	95.3000E
Rangndo, Indonesia	RANI		8.4525S	114.9494E
Rata, Indonesia	RATI		8.7233S	115.5322E
Saumlaki, Indonesia	SLKI		7.9817S	131.2983E
Sawahan, Indonesia	SJI		7.7342S	111.7660.6E
Scrawed, Indonesia	SRDI		8.4794S	114.1419E
Semeru, Indonesia	SMR	Closed	8.1000S	112.9000E
Semponon, Indonesia	SEMI	Closed	2.4603N	98.3917E
Sibayak Dolok, Indonesia	SIBI		3.2408N	98.5044E
Simarbalatuk, Indonesia	SIMI		2.6889N	98.9469E
Singah,	SINI		7.0144S	107.5000E

Indonesia

Soengei Langka, SLS Indonesia	Closed	5.4000S	105.2167E
Sorong, Indonesia	SIJI	0.8630S	131.2598E
	SWI	0.8630S	131.2598E
Talang, Indonesia	TLN Closed	1.0000S	100.5000E
Tanaharon, Indonesia	THRI	8.3694S	115.5431E
Tanete Lipujang, Indonesia	TANI	3.4361S	119.3831E
Tangerang, Indonesia	TNG	6.1717N	108.6462E
Tangkuban Prahu, Indonesia	TPJ Closed	7.1000S	114.0333E
Tanjungpandan, Indonesia	TPI	2.7575S	107.6535E
Ternate, Indonesia	TNE	0.8486N	127.2403E
Tretes, Indonesia	TRT	7.7040S	83.6350E
Tual, Indonesia	TLE	5.6375S	132.7497E
Tuntungan, Indonesia	TSI	3.5008N	98.5645E
Ujungpandang, Indonesia	MKS	5.2718S	119.4698E
Waingapu, Indonesia	WSI	9.6769S	120.2928E
Wamena, Indonesia	WAMI	3.8847S	138.7114E
Wanagamma,	UGM	7.9125S	110.5231E

Indonesia

Yo Moklole, Indonesia	YOMI	2.6428S	140.5597E
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## Iran

Bakhtaran, Iran	KER	34.3522N	47.1058E
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Kakhk, Iran	KHI	34.1433N	58.6417E
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Kerman, Iran	KRBA	29.9797N	56.7523E
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Long Period Array, Iran	IR1	35.4162N	50.6888E
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IR2	35.6628N	50.8976E
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IR3	35.4761N	51.0237E
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IR4	35.2387N	50.9012E
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IR5	35.2128N	50.5811E
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IR6	35.4737N	50.4256E
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IR7	35.7028N	50.6089E
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Mashad. Iran	MAIO	36.3000N	59.4945E
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MSH	Closed	36.3000N	59.4945E
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MUI	36.3117N	59.6050E
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MHI	36.3111N	59.5878E
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Masjed Soleyman, Iran	MSHA	31.9000N	49.3000E
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Sefid-Roud, Iran	SRI	36.7583N	49.3833E
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Shahrud, Iran	SHD	36.4333N	54.9417E
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Shiraz, Iran	SHI	29.6445N	52.5261E
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Tabriz, Iran	TAB	38.0675N	46.3267E
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Taghi Ghambar,	TGI	32.4633N	59.1933E
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## Iran

Tehran, Iran	TEH	35.7378N	51.3856E
	THR	35.9073N	51.1265E

## Iraq

Baghdad, Iraq	BHD	33.2744N	44.3858E
Basra, Iraq	BSR	30.6000N	47.8000E
Mosul, Iraq	MSL	36.3817N	43.1482E
Rutbah, Iraq	RTB	33.0295N	40.3077E
Sulaymaniyah, Iraq	SLY	35.6000N	45.5000E

## Ireland

Carrickbyrne Hill, Ireland	ECB	52.3661N	6.7811W
Carnsore Point, Ireland	ECP	52.1800N	6.3689W
Cork, Ireland	CORK	Closed	51.8833N 8.4667W
Croghan, Ireland	DCN	53.3439N	7.2767W
Dublin Merrion Square, Ireland	DMS	53.3406N	6.2486W
Dublin, Ireland	DSB	53.2452N	6.3762W
Dublin Rathfarnham Castle, Ireland	DUB	Closed	53.2986N 6.2825W
Dunsink Observatory, Ireland	DDK	53.3869N	6.3392W
Kilmashogue,	DKM	53.2553N	6.2644W



## Ireland

Lyons Estate, Ireland	DLE	Closed	53.2872N	6.5436W
Lyons Farm, Ireland	DLF		53.2958N	6.5314W
Kingscourt, Ireland	DMU		53.8989N	6.9106W
	DMUB		53.9000N	6.9806W
Tara, Ireland	ETA		52.6958N	6.2100W
Valentia, Ireland	VAL		51.9394N	10.2442W

## Israel

Israel	MNFI		32.8510N	35.2360E
	DIMI			
	DRGI		31.5900N	35.4000E
	ENGI		31.4700N	35.3970E
	HNTI			
	RMNI		30.5960N	34.7540E
	YASH		29.5710N	34.8710E
	ZFRI			
Adamit, Israel	ADI		33.0789N	35.2250E
Arava Valley, Israel	ARVI		30.6500N	35.1800E
Atar 1, Israel	ATR1		30.9300N	34.6300E
Bar Giyyora, Israel	BGIO		31.7221N	35.0878E
Bat Shelomo Israel	BTI	Closed	32.6140N	35.0160E

Bet Guvrin Israel	GVI	Closed	31.6320N	34.9090E
Bet Oren, Israel	BRNI		32.7200N	34.9900E
Bsor, Israel	BSO	Closed	31.2670N	34.4850E
Dead Sea, Israel	DSI		31.5700N	35.3800E
Dead Sea Dam 2, Israel	DSD2		31.1800N	35.4400E
Dorot, Israel	DOR	Closed	31.5080N	34.6860E
Dragot, Israel	DRGI		31.5910N	35.3920E
Ein Gedi, Israel	ENGI		31.4700N	35.3970E
Elat, Israel	EIL		29.5500N	34.9500E
En Yahav, Israel	YHV			
Giv'a Hamore, Israel	GVMR		32.6200N	35.3700E
Golan-Tel Quazir, Israel	GLH		32.7100N	35.6600E
Haifa, Israel	HAF		32.8000N	35.0167E
Helez, Israel	HLZ		31.6000N	34.6400E
Jehonathan, Israel	JNI	Closed	32.9500N	35.8270E
Jerusalem, Israel	JER	Closed	31.7719N	35.1972E

Jordan Valley, Rimmonium, Israel	JVI		31.9300N	35.3500E
Kefar Szold, Israel	KSDI		33.1920N	35.6576E
Keren, Israel	KERI		30.9900N	34.9900E
Keshet, Israel	KSHT		32.9900N	35.8300E
Kfar Kahoresh, Israel	HRSH		32.7000N	35.2800E
Kziot, Israel	KZIT		30.9200N	34.4400E
Ma'ale Noah, Israel	NOH		30.6890N	34.9620E
Machtesh Katan, Israel	MKT		30.9480N	34.1520E
Masada, Israel	MSDA	Closed	31.3200N	35.2900E
	MZDA		31.3200N	35.2900E
Mash'abbe Sade, Israel	MASH		31.000N	34.8500E
Meiami, Israel	MAMI		32.5000N	31.1500E
Mount Amassa, Israel	ASI	Closed	31.3300N	35.0950E
Mount Atzmon, Israel	ATZ		32.8216N	35.2697E
Mount Berech, Israel	MBH		29.7700N	34.8800E
Mount Carmel Israel	CRI		32.6820N	35.0450E
Mount Gilboa, Israel	MGI	Closed	32.4470N	35.4380E
Mount Hermon,	HRI		33.2700N	35.7400E

Israel				
Mount Malkishua, Israel	MML		32.4351N	35.4133E
Mount Meron, Israel	MMR		32.9000N	35.4200E
Mount Montar, Israel	MRNI		33.0110N	35.4000E
Mount Montar, Israel	MOI	Closed	31.7350N	35.3490E
Mount Ramon, Israel	RMN		30.4970N	34.6270E
Mount Rammon, Israel	RMNI		30.5120N	34.6410E
Mount Sar Shalom,	MSM	Closed	33.0610N	35.2790E
Israel Mount Sodom, Israel	SDOM		31.0800N	35.3900E
Mount Yahel, Israel	MYI	Closed	31.1990N	35.2160E
Mount Yoash, Israel	YASH		29.5720N	39.8810E
Mount Sar Shalom, Israel	MSM		33.0610N	35.2790E
Nahal Hemdet, Israel	HMDT		32.2600N	35.5200E
Paran, Israel	PRNI		30.3450N	34.9970E
Parod, Israel	MMAI		32.5573N	35.2609E
Retamim, Israel	RTMM		31.0500N	34.6800E
Revivim, Israel	RVVM		31.0400N	34.7200E

Rimmonium, Israel	JVI		31.9300N	35.3500E
Saggi Highlands, Israel	SAGI		30.2200N	34.6600E
Safed, Israel	SAF	Closed	32.9600N	35.4950E
Shawbak, Israel	SHWJ		30.3830N	35.5000E
Shezaf, Israel	SZAF		30.9000N	34.5500E
Shivta, Israel	SVIA		30.9300N	34.6200E
Yattir, Israel	YTIR		31.3500N	35.1200E
Zanoah, Israel	ZNH		31.6770N	35.0000E
Zur Nathan, Israel	ZNT		32.2380N	35.0320E
	CLTB		37.5786N	13.2156E

## Italy

Alicudi, Italy	ACL		38.5331N	14.3556E
Alpe Faloria, Italy	AFL			
Amelia, Italy	AMI	Closed	42.5851N	12.4286E
Ancona, Italy	AOI		43.5500N	13.6020E
	ANS		43.5522N	13.4622E
Antennamare, Italy	ATN		38.1583N	13.4625E
Arcavacata, Italy	ACI		39.3508N	16.2031E

Arcevia, Italy	ARV		43.4989N	12.9439E
Ascoli Piceno, Italy	ALP		42.7803N	13.5761E
Assisi, Italy	ASS		43.0706N	12.6612E
Antennamare, Sicily, Italy	ATN		38.1606N	15.4628E
Avezzano, Italy	AZI	Closed	41.9884N	13.4357E
Bagni di Lucca, Italy	BDI		44.0625N	10.5969E
Baldo, Italy	BALI		45.7806N	10.8625E
Baranello, Italy	BA12		41.5092N	14.5531E
Bardonecchia, Italy	BNI		45.0522N	6.6786E
Bari, Italy	BAI		41.1200N	16.8667E
Bari-Castellana, Italy	BRT		40.8778N	17.2036E
Barisano, Italy	BRSN		44.2831N	12.0750E
Baronissi, Italy	BSS		40.7906N	14.8061E
Benevento, Italy	BNV	Closed	41.1333N	14.3000E
Bernadia, Italy	BAD		46.2637N	13.2433E
Bobbio (Coli), Italy	BOB		44.7669N	9.4478E
Bologna, Italy	BOL		44.4867N	11.3290E
Bolzano, Italy	BLZ		46.5049N	11.3468E
Bordano, Italy	BOO		46.3200N	13.1000E

Borgo San Lorenzo, Italy	BSL		43.9802N	11.4342E
Borgo Val di' Toro, Italy	BVT		44.4864N	9.7750E
Bormio, Italy	BRMO		46.4761N	10.3731E
Borseda, Italy	BORS	Closed	44.2450N	9.8258E
Brione, Italy	BIE		45.8828N	10.8739E
Bricherasio, Italy	BHB		44.8417N	7.2633E
Buia, Italy	BUA		46.2183N	13.1233E
Cagliari Citta Italy	CCI		39.2208N	9.1172E
Cagliari Serpeddi, Italy	CGL		39.3622N	9.2972E
Cairo Montenotte, Italy	CKI		44.4249N	8.2799E
Calice al Cornoviglio, Italy	CALI		44.2413N	9.8348E
Calitri, Italy	CLTR		40.9000N	15.4408E
Colloredo, Italy	COLI		46.1333N	13.3783E
Camerino, Italy	CIO		43.1950N	13.1440E
	CMR	Closed	43.1333N	13.0667E
Candela, Italy	FG4		41.1347N	15.5206E
Caneva, Italy	CAE		46.0067N	12.4367E
Capadimonte, Italy	CAP	Closed	40.8667N	14.2500E
Capo Vaticano, Italy	CVI		38.5923N	15.9038E

Italy

Caprese Michelangelo, Italy	CRE		43.6281N	11.9517E
Carloforte, Italy	CRL	Closed	39.1333N	8.3167E
Carovilli, Italy	CII		41.7230N	14.3050E
	CRVI		41.7239N	14.3056E
Carpinone, Italy	CP12		41.5853N	14.3186E
Carro Montenotte, Italy	CKI		44.4249N	8.2799E
Casamari, Italy	CAS	Closed	41.6333N	13.3667E
Casera Razzo, Italy	CSZ		46.4731N	12.6172E
Cassamicciolo, Italy	CSM	Closed	40.7500N	13.9000E
Cassano Ionio, Italy	CSI		39.7765N	16.2894E
Cassano Irpino, Italy	CSSN		40.8608N	15.0239E
Casso, Italy	CSO		46.2733N	12.3239E
Castelbuono, Italy	CSLB		37.9372N	14.0714E
Castellina in Chianti, Italy	CSNT		43.4722N	11.2911E
Castel del Monte, Italy	CDT			
Castel Venzago, Italy	CVZ			
Castello	CTI		46.0478N	11.6503E



Tesino, Italy				
Castrocucco, Italy	CUC		39.9931N	15.8156E
Catania, Italy	CAT		37.5142N	15.0972E
Cavalese, Italy	CAV		46.2931N	11.4619E
Celeste, Italy	CEL		38.2594N	15.8156E
Ceresole Reale, Italy	LSD		45.4577N	7.1557E
Cesana Torinese, Italy	RRL		44.9202N	6.7845E
Chiavari, Italy	CHV	Closed	44.3153N	9.3236E
Colle San Martino, Italy	SMB1		41.3947N	14.7186E
Colloredo, Italy	COLI		46.1333N	13.3783E
Collurania, Italy	CLR	Closed	42.6667N	13.7167E
Corinaldo, Italy	CRN		43.6308N	12.9978E
Cuglieri, Italy	CUG		40.1869N	8.5698E
Deserto Pensiola Sorrentina, Italy	DPS		40.6100N	14.3651E
Difesa San Luca, Italy	DSB1		41.2872N	14.9769E
Domodossola, Italy	DMD	Closed	46.1167N	8.3000E
Dorgali Grotta	DGI		40.3182N	9.6067E

Ispinigoli, Italy					
Dosso del Sommo, Italy	DDS		45.8800N	11.1883E	
Drenchia, Italy	DRE		46.1733N	13.6433E	
Duronia, Italy	DUI		41.6611N	14.4583E	
Entracque, Italy	ENR		44.2266N	7.4203E	
Eremo Bismantova, Italy	ERBM		44.4192N	10.4128E	
Erice, Italy	ERC		38.0364N	12.5872E	
Erto, Italy	ERT	Closed	46.2767N	12.3767E	
Esantoglia, Italy	SNTG		43.2250N	12.9406E	
Faenza, Italy	FAE	Closed	44.3056N	11.8833E	
Favara, Italy	FAI		37.2758N	13.6756E	
	FAVR		37.2692N	13.6681E	
Ferrara Citta, Italy	FECT		44.8675N	11.6264E	
Finale Ligure, Italy	FIN		44.2092N	8.2083E	
Firenze Ximeniano, Italy	FIR		43.7778N	11.2567E	
Foggia, Italy	FOG				
Foligno, Italy	FOL	Closed	42.9567N	12.7067E	
Forcello Aurine, Italy	FAU				
Forni Avoltri, Italy	FOA	Closed	45.5867N	12.7750E	

	FVI	46.5933N	12.7809E
Fosdinovo, Italy	FSI	44.1261N	10.0253E
Fossombrone, Italy	FSSB	43.6922N	12.7775E
Fuscaldò, Italy	FSC	39.4189N	16.0425E
Gambari d' Aspromonte, Italy	GMB	38.1681N	15.8289E
Gargagno, Italy	GGO		
Gemona, Italy	GMNA	46.2750N	13.2369E
Genova, Italy	GEN	44.4181N	8.9301E
	GENL	44.4057N	8.9697E
Gibilmana, Italy	GIB	37.9894N	14.0267E
Girifalco, Italy	GRI	38.8172N	16.4203E
Gusciola, Italy	GSCL	44.3506N	10.5878E
Imperia, Italy	IMI	43.9102N	7.8893E
Isola di Pantelleria, Italy	PTS	36.8111N	11.9961E
Isola di Levanzo, Italy	LVI	37.9861N	12.3389E
Isola di Marettimo, Italy	IMT	37.9567N	12.0783E
Lampedusa, Italy	LPD	35.5114N	12.5951E
Laterza, Italy	LTRZ	40.6031N	16.8181E

Lecce, Italy	LCI		40.3339N	18.1122E
Lipari, Italy	LPI		38.4894N	14.9328E
	LLI		38.4450N	14.9481E
Livorno, Italy	LIV	Closed	43.5333N	10.3000E
Lussari, Italy	LSR		46.4758N	13.5278E
Lutirano, Italy	LMD		44.0767N	11.7239E
Melilli, Italy	MEI	Closed	37.1806N	15.1300E
Messina ING, Italy	MSI		38.2033N	15.5556E
Messina, Italy	MES		38.1989N	15.5550E
Milan, Italy	MIL	Closed	45.4667N	9.1833E
Mileto, Italy	MLE	Closed	38.6000N	16.0500E
Mili, Italy	MILI			
Macugnaga, Italy	MCGN		45.9575N	7.9878E
Moncalieri, Italy	MNC	Closed	45.0000N	7.7000E
Monesi, Italy	MONI		44.0795N	7.7550E
Montasola, Italy	MNS		42.3847N	12.6808E
Monte Acero, Italy	MAB1		41.2589N	14.4958E
Monte Argentario, Italy	MAO		42.4167N	11.1522E
Monte Cassino, Italy	MCI	Closed	41.4833N	13.8167E
Monte Cimone, Italy	MME		44.1936N	10.7000E

Monte Cocuzzo, CZI Italy		39.2183N	16.1336E
Monte Cammarata, Italy	MCT	37.6311N	13.63356E
Monte Grappa, Italy	MGRP		
Montello, Italy	MTLO		
Monte Massico, Italy	MSC	41.1914N	13.9714E
Monte di Nese, Italy	MDI	45.7772N	9.7114E
Monte Prat, Italy	MPRI	46.2417N	12.9883E
	MOJ		
Montereale Valcellina, Italy	RCL	46.1600N	12.0653E
Monterochetta, Italy	MRB1	41.1264N	14.9728E
Monte San Gregorio, Italy	GIO	37.5667N	15.1083E
Monte Sant' Angelo, Italy	FG3	41.7007N	15.9492E
Montesarchio, Italy	MSB1	41.0897N	14.6594E
Monte Soro, Italy	MNO	37.9331N	14.6947E
Monte Vettore, Italy	MVT	37.6892N	14.9861E
Morigerati, Italy	MGR	40.1375N	15.5547E
Mormanno, Italy	MMN	39.8901N	15.9905E

Italy

Motta San Giovanni, Italy	MTTG		38.0019N	15.6939E
Muro Lucano, Italy	MRLC		40.7617N	15.4894E
Naples, Italy	NPL		40.8467N	14.2578E
Negi-Perinaldo, Italy	NEGI		43.8477N	7.7038E
Norcia, Italy	NRCA		12.8333N	13.1131E
Olbia, Italy	OLB		40.9267N	9.3978E
Oriolo, Italy	ORI		40.0635N	16.4492E
Oropa, Italy	ORO		45.6275N	7.9814E
	ORX		45.6325N	7.9817E
Orti, Italy	OII		38.1533N	15.6892E
Orsara di Puglia, Italy	FG5		41.2825N	15.2678E
Osservatorio Vesuviano, Italy	OVO		40.8267N	14.3978E
Padova, Italy	PAD	Closed	45.4086N	11.8861E
Paguella, Italy	PGL			
Palazzolo Acreide, Italy	PZI		37.0306N	14.9153E
Panarea, Italy	PLI		32.6281N	15.0619E
Panarotta, Italy	PANI		46.0489N	11.3008E
Patocco-Chiusaforte, Italy	PTCC		46.4053N	13.3533E
Paularo, Italy	PLRO		46.5497N	13.1481E

Pavia, Italy	PAV		45.1833N	9.1736E
Pesaro, Italy	PRO		43.9167N	12.9167E
Pescosannita, Italy	PSB1		41.2214N	14.8106E
Pezze di Greco, Italy	PGI			
Pistoia, Italy	PSL		44.0078N	10.9656E
Perugia, Italy	PRG		43.1014N	12.3969E
Piacenza, Italy	PCN		45.0500N	9.6667E
Pian Castagno- Ponzone, Italy	PCP		44.5418N	8.5452E
Pietraquaria, Italy	PTQR		42.0219N	13.4006E
Pieve di Cadore, Italy	PDC	Closed	46.4100N	12.3700E
Pinerolo, Italy	PNI		44.9192N	7.3139E
Pisa, Italy	PIS	Closed	43.5833N	10.6833E
	PII		43.7211N	10.5239E
Pistoia, Italy	PSL		44.0078N	10.9656E
Placenza, Italy	PCN		45.0500N	9.6667E
Poggio Sodo, Italy	PGD		43.8753N	11.7214E
Polino, Italy	POI	Closed	42.5806N	12.8836E
Pollina, Italy	PLLN		37.9919N	14.1436E
Pomodossola, Italy	DMD	Closed	46.1167N	8.3000E

Pompeii, Italy	PMP	Closed	40.7500N	14.5000E
Pontebba, Italy	POBI	Closed	46.5133N	13.2767E
Porto Cannone, Italy	PTC		41.9297N	15.0425E
Porto d'Ischia, Italy	PDI	Closed	40.7333N	13.9500E
Pozzilli, Italy	PL12		41.5314N	14.0586E
Prato, Italy	PTF	Closed	43.9594N	11.0697E
	PRT	Closed	43.8800N	11.0942E
Prazzo, Italy	PZZ		44.5050N	7.1013E
Quarto, Italy	QRI		40.8780N	14.1458E
Quarto Castello, Italy	QCI	Closed	43.8167N	11.2167E
Raibl, Italy	RBL		46.4417N	13.5683E
Reggio Calabria, Italy	RCI		38.01056	15.6433E
Reno Superiore, Italy	RSP		45.1517N	7.2572E
Repubblica de San Marino	RSM		43.9289N	12.4514E
Roburent, Italy	ROB		44.2947N	7.8706E
Rocca di Papa, Italy	RDP		41.7583N	12.7167E
Roccamonfina, Italy	RFI		41.3006N	13.9847E
Roccaromana, Italy	RMI2		41.2528N	14.2636E
Rome, Italy	ROM	Closed	41.9033N	12.5133E



	RMP		41.8111N	12.7022E
Roncone, Italy	RNI		45.9817N	10.6447E
Rossano, Italy	ROI		39.5718N	16.5692E
Sala Consilina, Italy	SLCN		40.3900N	15.6328E
Salau, Italy	SALF		42.4536N	1.1122E
Salina, Italy	SLNA		38.5600N	14.8339E
Salo, Italy	SAL		45.6075N	10.5261E
Samo, Italy	SOI		38.0722N	16.0550E
San Damiano Macra, Italy	DOI		44.5036N	7.2453E
San Donato Val di Comino, Italy	SDI		41.7092N	13.8103E
San Gemini, Italy	SGI	Closed		
San Gregorio Matese, Italy	SGG		41.3867N	14.3787E
Santa Anna di Valdieri, Italy	STV		44.2442N	7.3244E
Santa Sophia, Italy	SFI		43.9210N	11.8520E
Sasso d'Italia, Italy	SSO		43.2930N	13.4200E
Sassorosso, Italy	SARO		44.1848N	10.4015E
Scarperia, Italy	SEI		44.0544N	11.3564E
Scilla, Italy	SCLL		38.2569N	15.7156E
Serpedi, Italy	GGL		39.3622N	9.2971E

	SED				
Serracapriola, Italy	FG-2			41.8033N	15.1703E
Sicignano, Italy	SGO			40.5594N	15.3081E
Siena, Italy	SIE			43.3200N	11.3122E
Somplago, Italy	SMP	Closed		46.3400N	13.0583E
Sorrento, Italy	SOT				
Statte, Italy	SAE	Closed		40.5619N	17.2061E
Stromboli- Ginostra, Italy	GIN			38.7897N	15.1908E
Stuetta, Italy	TUE			46.4722N	9.3472E
Talmassons, Italy	TLI			45.9217N	13.1019E
Taranto, Italy	TTI	Closed		40.4096N	17.2833E
	TAR	Closed		40.4750N	17.2583E
Terranova di Sibari, Italy	TDS			39.6589N	16.3378E
Tinpagrande, Italy	TIP			39.1786N	16.7583E
Tolmezzo, Italy	TLM			46.4014N	13.0144E
Torino, Italy	TNO			45.0587N	7.6969E
Trente, Italy	TRE	Closed		39.2833N	16.3167E
Treviso, Italy	TRV	Closed		45.6667N	12.1833E
Trieste, Italy	TTE			45.6460N	13.7620E

	TRS	Closed	45.6428N	13.7539E
	TRI		45.7089N	13.7642E
Tuscania, Italy	TU1	Closed	42.4186N	11.8744E
Udine O.G.S. Italy	UDI		46.0650N	13.2367E
Udine Italy	UDN	Closed	46.0631N	13.2378E
Ustica, Italy	USI		38.7072N	13.1779E
Voghera, Italy	VGI		44.9292N	9.0958E
Vajont, Italy	VAJ		46.2667N	10.3300W
Varese, Italy	VAI		45.8667N	8.7708E
Veano, Italy	VEA		44.8893N	9.6190E
Venice, Italy	VEN	Closed	45.4333N	12.3333E
Vicchio, Italy	VMG		43.9617N	11.5439E
Villacolle- mandina, Italy	VLC		44.1594N	10.3864E
Villanova, Italy	VINO		46.2564N	13.2814E
Villa di Villa, Italy	VVI		45.9821N	12.4281E
Villasalto, Italy	VSL		39.4960N	9.3780E
Vinca, Italy	VINC		44.1412N	10.1522E
Vitulano, Italy	VTB1		41.1825N	14.6300E
Voghera, Italy	VG1	Closed	45.9292N	9.0958E
Vulcano Piano, Italy	VPL		38.3789N	14.9836E
Zafferana, Italy	ZA1		37.6853N	15.0900E

Zocca, Italy	ZCCA	44.3519N	10.9778E
Zoufplan, Italy	ZOU	46.5567N	12.9733E
Pioggiola, Sardinia, Italy	PGF	42.3254N	8.5958E
Antillo, Sicily, Italy	AIO	37.9689N	15.2278E
Antennamare, Sicily, Italy	ATN	38.1606N	15.4628E
L'Aquila, Italy	AQU	42.3539N	13.4019E
Augusta-Monte Tauro, Italy	AGST	37.2536N	15.2211E
Castelvetrano, Sicily, Italy	CVT	37.6780N	12.7920E
Catania, Sicily, Italy	CAT	37.5142N	15.0972E
Favara, Sicily, Italy		37.2758N	13.6756E
Ganzirri, Italy	GZI	38.2647N	15.6686E
Gibilmanna, Sicily, Italy	GIB	37.9894N	14.0268E
Isolade Marettimo, Sicily, Italy	IMT	37.5724N	12.0442E
Isola de Levanzo, Sicily, Italy	LVI	37.5724N	12.2014E
Messina, Sicily, Italy	MES	38.1989N	15.5550E
	MSI	38.2034N	15.5556E
Mineo, Sicily, Italy	MNE	Closed	37.2500N 14.7333E

Monte Cammarata, Sicily, Italy	MCT	37.6311N	13.6336E
Monte Lauro, Sicily, Italy	MEU	37.1011N	14.9300E
Monte Pellegrino, Sicily, Italy	MPG	38.1617N	13.3600E
Monte San Gregoria, Sicily, Italy	GIO	37.5667N	15.1083E
Monte Soro, Sicily, Italy	MNO	37.9311N	14.6950E
Monte Veltore, Sicily, Italy			
Novara, Sicily, Italy	NOV	38.0140N	15.0812E
Sortino, Sicily, Italy	SSY	37.1539N	15.0719E
Palermo, Sicily, Italy			
Palazzolo Areide, Sicily, Italy			
Ustica, Sicily, Italy	USI	38.7072N	13.1779E
Valguarnera, Sicily, Italy	VAE	37.4783N	14.4119E
Zofferana, Sicily, Italy	ZA1	37.6853N	15.0900E

## **Ivory Coast**

Ivory Coast	DIC	6.2083N	4.9892W
Dimbroko,	DBIC	6.6701N	4.8563W

Ivory Coast

Korhogo, Ivory Coast	LKO		9.5444N	5.5889W
Kosan Boka, Ivory Coast	KIC		6.3606N	4.7411W
Lamto, Ivory Coast	LIC		6.2244N	5.0278W
Lataha Ko Korhogo, Ivory Coast	LKO		9.5444N	5.5889W
Toumodi, Ivory Coast	TIC		6.6447N	5.0200W

**Jamaica**

Bamboo St. Ann, Jamaica	BBJ		18.3830N	77.2670W
Beverly, Jamaica	BEV	Closed	18.4517N	77.3000W
Black River, Jamaica	BRJ	Closed	18.0333N	77.8683W
Castle Mountains, Jamaica	CMJ		18.1358N	76.3727W
Coleyville, Jamaica	CVJ		18.1745N	77.5381E
Greenwich, Jamaica	GWJ		18.0750N	76.7380E
Hope, Jamaica	HOJ		18.0020N	76.7500W
	HOP	Closed	18.0220N	76.7500W
Kingston, Jamaica	KIN	Closed	17.9737N	76.7851W
Montego Bay, Jamaica	MBJ		18.4027N	77.8627W

Munro College, Jamaica	MCJ	17.9230N	77.6870W
New Castle, Jamaica	NCJ	18.0750N	76.7190W
Port Antonio, Jamaica	PAJ	18.1700N	76.4560W
Portland Cottage, Jamaica	PCJ	17.7420N	77.1690W
Port Royal, Jamaica	PRJ	17.9352N	74.8438W
Red Hills, Jamaica	RHJ	18.0707N	76.8540W
Spur Tree, Jamaica	SPJ	17.9959N	77.5596W
Stony Hill, Jamaica	STH	18.0780N	76.8140W
Yallahs, Jamaica	YHJ	17.8920N	76.4930W
	JIZZ		
	KTB		
	SPNJ		

## Japan

Abashiri, Kuriles, Japan	ABJ	44.0167N	144.2833E
Abashiri 2, Kuriles, Japan	ABJ2	43.8417N	143.8700E
Abuyama, Japan	ABU	34.8603N	135.5739E
Aibetsu, Japan	AIB	43.9067N	142.6461E
Aida, Japan	JAD	34.9400N	134.1683E
Aikawa, Japan	AIK	38.0200N	138.2417E

Aioi, Japan	JAI		33.7917N	134.4517E
Aiuda, Japan	ARD		34.0859N	135.1617E
Aizu, Japan	AID	Closed	37.5667N	140.1167E
Ajiro, Japan	AJI		35.0433N	139.0967E
Akadama, Japan	AKD		37.9928N	138.5362E
Akaike, Japan	JFA		33.8761N	130.0780E
Akaiwa, Japan	AKA		43.2299N	140.9854E
Akama, Japan	AKM		33.8122N	130.5972E
Akita, Japan	AKI	Closed	39.7183N	140.1017E
	AKI1		39.7150N	140.1033E
2,	AKIJ		39.7500N	140.1417E
Akitakoma, Japan	KOMT		39.7800N	140.7700E
Akiyama, Japan	AKY		35.5710N	139.0538E
Akkeshi, Japan	AKK		43.0171N	144.8423E
	JAK		42.9962N	144.6965E
Almoyashu, Japan	AML			
Amami O-shima, Japan	JAM		28.4117N	129.6050E
Amasugawa 1, Japan	AM1		35.4444N	135.9186E
2,	AM2		35.4441N	135.9215E
Amo, Japan	AMJ		36.2494N	137.0284E
Aoboyama, Japan	AOB		38.2483N	140.8467E
Aomori, Japan	AOM	Closed	40.8167N	140.7833E
	AOM1		40.8200N	140.7733E



	AOM3		40.7767N	140.8167E
Outpost	AOMJ		40.5600N	140.3733E
Aou, Japan	AOU		33.7923N	133.7706E
Arakawa, Japan	K06		39.4181N	141.5464E
Arida, Japan	ARD		34.0859N	135.1617E
Asahi, Japan	AHJ		36.9233N	137.5958E
	ASI		36.1222N	137.1528E
Asahikawa, Japan	ASAJ		44.1152N	142.5968E
	ASA		43.7700N	142.3733E
Asakura, Japan	AKR		33.5438N	133.4887E
Asama, Japan	AVOE		36.4011N	138.5722E
	ASM		36.4000N	138.5667E
Asarigawa Hot Spring, Japan	AHS	Closed	43.1339N	141.0460E
Ashibetsu, Japan	JAB		43.5045N	142.2232E
Ashikaga, Japan	JAG		36.4250N	139.4533E
Ashizuri, Japan	ASZ		32.8783N	133.0750E
Ashorobuto, Japan	JAR		43.2968N	143.7695E
Aso, Japan	ASO	Closed	32.8833N	131.0167E
Asosan, Japan	ASJ		32.8783N	131.0750E
Atsumi, Japan	ATM		38.5650N	139.6617E
	JAA		34.6317N	137.1433E
Ashibetsu, Japan	JAB		43.5045N	142.2232

Ashikaga, Japan	JAG		36.4250N	139.4533E
Atami, Japan	ATA		35.1126N	139.0759E
Atsumi, Japan	ATM		38.5650N	139.6617E
Awaji-shima	JAJ		34.3357N	134.9078E
	JAJ2		34.4192N	134.8850E
Awashima, Japan	JAW		38.4562N	139.2487E
Azai, Japan	AZJ		35.4772N	136.3239E
Beppu, Kyushu Japan	BEP	Closed	33.2833N	131.4833E
Biratori, Japan	JBT		42.5898N	142.1337E
	JBT2		42.7783N	142.3637E
2 Bomura, Japan	BHOK		35.2447N	135.8728E
Boso, Bonin Islands, Japan				
Boso O.B.S. 1	BS01		34.6533N	140.9783E
Boso O.B.S. 2	BS02		34.7517N	140.7550E
Boso O.B.S. 3	BS03		34.8017N	140.5100E
Boso O.B.S. 4	BS04		34.9900N	140.3383E
Chichibu Outpost, Japan	CHJ		35.9117N	139.0817E
	CHJJ		36.0483N	138.9950E
Chichi-shima, Japan	TTZ	Closed	27.0833N	142.1833E
	CBI		27.0917N	142.1800E
	CBIJ		27.0927N	142.1815E
	TTZ	Closed	27.0833N	142.1833E
Chijiwa, Japan	CJA		32.7842N	130.2106E

Chita, Japan	CHTJ		34.7303N	136.9066E
Chizu, Japan	CAT		35.2695N	134.2936E
	CZT		35.2695N	134.2936E
Choshi, Japan	CHO	Closed	35.7250N	140.8433E
	CHO1	Closed	35.7367N	140.8617E
Choshi 2, Japan	CHOJ		35.7017N	140.8583E
Churui, Japan	JCH		42.6143N	143.3263E
Daito, Japan	DIT			
Dake, Japan	DAK4		40.6311N	140.2725E
	DAKH		40.6311N	140.8167E
Dodaira, Japan	DDR		35.9983N	139.1934E
Doi, Japan	DOI		33.8609N	133.3975E
Eigenji, Japan	JEG		35.1343N	136.3877E
Eniwo, Japan	JEW		42.8402N	141.4498E
Enzan, Japan	ENZ		35.7360N	138.8053E
Erimo, Japan	JEM		42.0158N	143.1573E
	ERM		40.0150N	143.1571E
Esan, Japan	ESH		41.8842N	141.0112E
Fube, Japan	FUB	Closed	35.2838N	133.0733E
Fujikirizawa, Japan	K11		39.4783N	141.5325E
Juji-kawa, Japan	FUJ		35.2312N	138.4715E
Fujisan, Japan	FJI		35.3103N	138.6789E
Fukaura, Japan	FKA		37.8186N	138.2243E
Fukue, Japan	FKTD		32.7000N	128.8333E

Fukue 2, Japan	JFU		32.6550N	128.7500E
	FKJ		32.7000N	140.8333E
Fukui, Japan	FUK		36.0533N	136.2267E
	FKJD		36.0941N	136.1233E
Fukumitsu, Japan	FMJ		36.5178N	136.8297E
Fukuoka, Japan	FKK		33.5800N	130.3800E
Fukushima, Japan	FKS		37.7567N	140.4750E
Fumatsu, Japan	FUNA		35.4983N	138.7633E
Funaoka, Japan	FOTD		35.3305N	134.2673E
Furano, Japan	JFR		43.1635N	142.5935536E
Furusato, Japan	FURD		31.5608N	130.6614E
Fushiki, Japan	HKI		36.7833N	137.0500E
Futagosan, Japan	FTG		33.5794n	131.6042E
Futatsui, Japan	FUT		40.1467N	140.2167E
Ganki, Japan	GNK		40.72322N	140.3366E
Genta-Ana, Japan	GENH		42.5513N	140.8532E
Gifu, Japan	GIF		35.3983N	136.7650E
Gippayama, Japan	GPY		36.3944N	138.5000E
Gongen, Japan	GON		31.5825N	130.6858E
Gotenba, Japan	GTN	Closed	35.3167N	138.9333E
Gotsu, Japan	JGT		35.0287N	132.3343E

Gozaisho, Japan	GOZ	Closed	35.0153N	136.4260E
Haboro, Japan	HAB		44.3833N	141.7000E
Hachijo-Jima, Japan	HCH		33.1017N	139.7883E
Hachijo-jima 2, Japan	JHJ	Closed	33.1192N	139.7833E
	HJJ			
Hachinohe, Japan	HAK		41.8333N	140.7583E
	HAC		40.5250N	141.5267E
2,	HACJ		40.3972N	141.5458E
Haibara, Japan	HBR		34.5028N	135.9934E
Hakodate 2, Japan	HAKJ		41.8325N	140.7775E
	HAK		41.8333N	140.7583E
Hakone, Japan	HKY			
Hakui, Japan	JJH		36.9250N	136.7817E
Hamada, Japan	HMD		34.8933N	132.6733E
2	HMMJ		34.8558N	137.7215E
Hamamasu, Japan	HAM		43.6131N	141.3843E
Hamamatsu, Japan	HMM		34.7083N	137.7233E
2,	HMMJ		34.8558N	137.7215E
Hankawane, Japan	HKW			
Hanno, Japan	JHU		35.8517N	139.2817E
Hashikami, Japan	HSH		40.4117N	141.5833E
Hashikanu, Japan	HSK		40.4117N	141.5833E

Hata, Japan	HATH		41.3011N	140.9643E
Hateruma shima, Japan	HATJ		24.0550N	123.8100E
Heda, Japan	HEDN		34.9591N	138.8126E
	HDAN		34.9620N	138.8201E
	HED		34.9589N	138.8125E
Hegura-jima, Japan	JHG		37.8483N	136.9200E
	HGR		37.8485N	138.9214E
Heguri, Japan	JHE		34.6533N	135.6850E
Hidaka, Japan	HDK	Closed	33.9259N	135.1390E
Hidaka-cho, Japan	HIC		42.8915N	142.4573E
Hikami, Japan	HMTD		35.2665N	135.0435E
Hikmohira, Japan	HIKD		31.5803N	130.6439E
Hikimi, Japan	JHIK		34.5313N	131.9292E
Hikinohira, Japan	HIKD			
Hikone, Japan	HIK		35.2733N	136.2467E
Himeji, Japan	HIM		34.8367N	134.7017E
Himekami, Japan	HMK		39.8483N	141.2467E
Hinai, Japan	JAH		40.1887N	140.6358E
Hinohara, Japan	HHR		35.7353N	139.0764E
Hino-misaki, Japan	HNMJ		33.8811N	135.0661E
Hinomisala, Japan	HNM		33.8822N	135.0666E

Hiratsu, Japan	HRTT	39.0100N	139.9400E
Hirodai, Japan	HRD	40.5842N	140.4773E
Hiroganu, Japan	HRG	37.2369N	139.0361E
Hirogawara, Japan	HRG	35.1584N	139.0586E
Hirokami, Japan	JHK	37.2483N	139.0170E
Hiroo, Japan	HOO	42.2833N	143.3167E
2	HOOJ	42.3833N	143.2867E
Hirosaki Univ, Japan	HRS		
Hiroshima, Japan	HIR	34.6333N	132.4367E
	HIR1	34.3950N	132.4650E
2,	HIRJ	34.4283N	132.5650E
Hitachi, Japan	JHO	36.6108N	140.5687E
	HIT	36.6182N	140.5902E
Hiyama, Japan	JHY	41.6777N	140.0573E
Hojo, Japan	HOJ	33.9299N	132.8153E
Hoiggiyama, Japan	HOK	34.8497N	139.0396E
Hokigiyama, Japan	HOKE	34.8488N	139.0413E
Hokkaido, Japan	HSS	42.9467N	141.2324E
Hokoriku, Japan	HKJ	35.9375N	136.2125E
Hokuryu, Japan	JHR	43.7430N	141.7248E
Hondo, Japan	HONK	32.8761N	131.0780E

	JHD		32.4633N	130.1367E
Hongo, Japan	HNG	Closed	35.7111N	139.7664E
	HGJ		35.7156N	139.7628E
Hongu, Japan	HGU		33.8228N	135.7649E
Honjo, Japan	HJY		39.3383N	140.1733E
	HJH		39.3383N	140.1733E
	HOJ		39.3383N	140.1733E
Horominai, Japan	HORH		42.4765N	140.9167E
Horyu, Japan	HRJ		37.3994N	137.1360E
Hoshina, Japan	HSJ		36.5841N	138.2739E
Hosomi, Japan	JMH	Closed	32.5717N	131.5883E
Hososhima, Japan	JMH	Closed	32.5717N	131.5883E
Hotokeiwa, Japan	HTK		36.3769N	138.5397E
Hsakai, Japan	JNG		36.4067N	138.1000E
Huzimizaka, Japan	HZA		36.3992N	138.5411E
Ibukiyama, Japan	IBU	Closed	35.3783N	136.3767E
Ichihara, Japan	ICH		35.4009N	140.1768E
Ichinm, Japan	JMK		38.9518N	141.2198E
Ichinomiya, Japan	INMK		34.0284N	134.4663E
Ichiyama, Japan	ICY		34.9033N	138.9333E
Ighigaki 2,	JIJ		24.3635N	124.1428E



Japan

Iheya, Japan	JIH		27.0348N	127.9672E
Ishihara, Japan	IHR		33.6879N	133.4712E
Iida, Japan	IID		35.5100N	137.8350E
Iida, Outpost, Japan	IIDJ		35.4800N	137.9117E
Iimori, Japan	IMA		32.7936N	130.0136E
Iinan, Japan	INA	Closed	34.4463N	136.3748E
Ikeda, Japan	IKD		34.0600N	133.7928E
Iki, Japan	JII		33.7950N	129.7317E
Iizuka, Japan	IZK	Closed	33.6500N	130.7000E
Iizume, Japan	IZMH		40.8338N	140.4985E
Ikuma, Japan	JNM		35.4967N	133.0300E
Ikusaka, Japan	IKJ	Closed	36.4218N	137.9441E
Imadeyama, Japan	IMAT		39.1067N	141.7600E
Imagane, Japan	IMG		42.3905N	140.1444E
Imajo, Japan	IMJ		35.7982N	136.3028E
	BTI		35.7982N	136.3028E
International of Seismology & Earthquakes Engineering, Japan	IIS		35.7097N	139.6972E
Inubo, Japan	INB		35.7031N	140.8603E
Inuyama, Japan	INU		35.3488N	137.0174E
Iriomote-jima, Japan	IRI		24.3850N	123.7500E

Ise, Japan	ISE		34.4585N	136.7740E
	JIE		34.3917N	136.7067E
Ishii, Japan	ISIK		34.0573N	134.4581E
Ishigaki-shima, Japan	ISI		24.3333N	124.1667E
Ishinomaki, Japan	ISN		38.4250N	141.3033E
Ishipane, Japan	K05		39.3822N	141.5139E
Itadori, Japan	ITD		35.7238N	136.7804E
Itaya, Japan	JFI		33.4287N	130.3877E
Ito, Japan	ITO	Closed	34.9667N	139.1000E
Itoigawa, Japan	ITGE		37.0082N	137.9992E
Itsutu, Japan	ITK		32.3957N	130.7737E
Iwaei, Japan	IWK		37.2215N	140.8813E
Iwai-Kita, Japan	IWJ		35.0981N	139.8714E
Iwaki, Japan	IWK		37.0000N	140.9490E
Iwanai, Japan	IWN		42.6705N	143.0462E
Iwasaig, Japan	IWS		40.4761N	139.9603E
Iwaosan, Japan	IWO		34.8825N	136.1322E
Iwasaki, Japan	JIW		40.5928N	140.0070E
Iwatsuki, Japan	IWT		35.9258N	139.7381E
Iwojima, Japan	YUO	Closed	24.7833N	141.3167E
Izuhara, Japan	IZU	Closed	34.2033N	129.2733E

	IZU2		34.2267N	129.2773E
	IZUJ		34.1950N	129.2933E
Iizuka, Japan	IZK		33.6500N	130.7000E
Iizumi, Japan	IZT		34.9722N	134.8876E
2,	JIU2		32.54563N	130.8145E
Izushimoda, Japan	JIZS		34.7178N	138.8781E
Kkyusha 2,	JIU2		32.5453N	130.8145E
Jammu, Japan	JMU		32.7167N	74.9000E
Jouge, Japan	JJG		34.6417N	133.1550E
Kaga, Japan	JKG		36.2767N	136.3317E
Kagoshima, Japan	KAG		31.5733N	130.5533E
2,	KAGJ		31.1867N	130.8883E
Kainokawa, Japan	KKW		33.8987N	135.4418E
Kaizawa, Japan	KZW		40.6915N	140.3631E
Kakegawa, Japan	KGW		34.8626N	138.0222E
	JKKG		34.7857N	137.9732E
Kakioka, Japan	KAK		36.2317N	140.1933E
Kakioka Outpost, Japan	KAKJ		36.2050N	140.1733E
Kamafusa, Japan	KMF		38.2100N	140.7017E
Kamakura, Japan	KMK	Closed	35.3167N	139.5500E
Kamata, Japan	KTJ	Closed	34.9433N	139.0867E
#2	KTJJ		34.9252N	139.0640E

Kameyama, Japan	KMYN		34.8670N	136.3500E
	KAM	Closed	34.8567N	136.4650E
Kamigamo, Japan	KMM	Closed	35.0333N	135.7000E
	KGMK		35.0593N	135.7657E
Kamika, Japan	JKK		43.8117N	142.8472E
	JKK2		43.8728N	142.7480E
Kamikineusu, Japan	KMU		42.2386N	142.9672E
Kamikuga, Japan	KKGU		36.5979N	139.6251E
Kamimuroga, Japan	KRJ		36.4164N	138.1514E
Kaminaka, Japan	KMNK		33.7865N	134.3058E
Kaminokuni, Japan	KKJ		41.7789N	140.1757E
Kamimonzen, Japan	KV02		31.9931N	130.8364E
Kamitakara, Japan	KTJD		36.2802N	139.3271E
Kanaiharu, Japan	KNJD		35.5716N	136.2846E
Kanayama, Japan	KNY		37.4004N	139.5582E
Kanzaki, Japan	KZT		35.0739N	134.7933E
Kanazawa, Japan	KAN	Closed	36.5467N	136.6483E
	KANJ		36.5867N	136.6367E
Kanouzan, Japan	KNZ		33.9117N	132.2446E
Japan Meteorological	JMA			

Agency, Tokyo, Japan				
Karakunidake, Japan	KV06		31.9494N	130.8711E
Karuizawa, Japan	KAZ		36.3400N	138.5517E
Kasai, Japan	JKS		34.9822N	134.8440E
Kasama, Japan	KSZ			
Kashima, Japan	KSJ	Closed	36.5762N	137.8054E
Kashiwara, Japan	KAJ		34.5000N	135.8000E
Kashiwazaia, Japan	KZK		37.2951N	138.5157E
Kashiwa-zaki, Japan	KZJ		37.3307N	138.5265E
Kasumi, Japan	JKSM		35.5867N	134.6622E
Katano, Japan	KTNK		34.7716N	135.7052E
Katashina, Japan	JKT		36.7667N	139.2448E
Katsuragisan, Japan	KRS		34.3445N	135.4432E
Katsuura, Japan	KTR	Closed	35.1482N	140.3150E
Katsuyama, Japan	KADD		36.0621N	136.5482E
	KAJD		36.0487N	136.5281E
Kawakami, Japan	KWI		35.9403N	138.6744E
Kawana, Japan	KWN		34.9509N	139.1457E
Kawasaki,	HRM		35.5506N	139.6792E

Japan

Kawatabi, Japan	KWT		38.7533N	140.7600E
Kawauchi, Japan	JFK		37.3665N	140.8745E
Kawazu, Japan	KWZ		34.7625N	138.9900E
Kawai, Japan	KWJ		35.5154N	136.2494E
Kawguchi-KO, Japan	FUN		35.4983N	138.7833E
Kayabe, Japan	JKB		41.8877N	141.0325E
Keihoku, Japan	KHK		35.1774N	135.6623E
Keihoku, Japan	JWK2		45.3150N	141.8975E
Kiinag, Japan	JKN		34.2450N	136.2667E
Kijyo, Japan	JKJ	Closed	32.2483N	131.4150E
Kikaiga-shima, Japan	JZK		28.3150N	129.9717E
Kinkasan, Japan	KSN		38.2717N	137.5883E
Kinomoto, Japan	KMT	Closed	34.2623N	135.1251E
Kirishima Volcano, Japan	KV03		31.9447N	117.3239E
Kishima-dake, Japan	KISK		32.8926N	131.0669E
Kishinomiya, Japan	KISE		34.2220N	135.3000E
Kitadake, Japan	KITD		31.5992N	130.6461E
Kitausu, Japan	KITH		42.5239N	140.8104E

Kishima-dake, Japan	KISK		32.8926N	131.0669E
Kishinomiya, Japan	KISE		34.2220N	135.3000E
Kitadake, Japan	KITD		31.5992N	130.6461E
Kita-Gairin, Japan	NRMH		42.5479N	140.8392E
Kitakami, Japan	KGJ		39.3883N	141.5650E
Kitakata, Japan	JKIT		32.6428N	131.4537E
Kitausu, Japan	KITH		42.5239N	140.8104E
Kiyosumi, Japan	KIY	Closed	35.1500N	140.1833E
	KYS		35.1977N	140.1482E
Kobe, Japan	KOB		34.6883N	135.1800E
	KBF		34.7345N	135.1778E
Kobugahara, Japan	KBH		36.6550N	139.5286E
Kochi, Japan	KOC		33.5533N	133.5367E
Kodera, Japan	KDT		34.9183N	134.7127E
Kofu, Japan	KOF		35.6650N	138.5583E
Koide, Japan	K12		39.4575N	141.4989E
Koike, Japan	KOID		31.5872N	130.6128E
Kofu, Japan	KFU		35.6650N	138.5583E
Kokoji, Japan	K04		39.3611N	141.5192E
Komaba, Japan	KOM	Closed	35.6500N	139.7628E
Komagane, Japan	KGN		35.7518N	137.9719E

Komatsu, Japan	KMJD		36.3645N	136.5057E
	KMD		36.3135N	136.4916E
Konpirayama, Japan	KONH		42.5541N	140.8168E
Koshiki-Retto, Japan	JSJ		31.7950N	129.7167E
Kotohata, Japan	K07		39.4164N	141.6564E
Koyama, Japan	KOY	Closed	35.3500N	138.9833E
Kozaga, Japan	JWZ		33.5300N	135.7150E
Kozushima, Japan	JKO		34.1867N	139.1367E
Kubokawa, Japan	JKU		33.3100N	133.0633E
Kuchiyama, Japan	KCY		33.9970N	134.1423E
Kuchinoebaru- jima, Japan	JKC		30.4617N	130.1950E
Kudamatsu, Japan	JKD		34.0533N	131.8733E
Kuizum, Japan	JIU	Closed	32.5733N	130.7933E
Kumagaya, Japan	KMG		36.1467N	139.3850E
Kumamoto, Japan	KUM		32.8100N	130.7100E
	#2	KUMJ	32.5350N	130.8283E
		KMP	32.8164N	130.6247E
Kumano, Japan	KMN		35.9677N	136.0582E
Kume, Japan	QMT		35.0885N	133.9491E
Kume-shima, Japan	KMJ		26.3361N	126.8061E



Kume-shima 2, Japan	JKE		26.3260N	126.7860E
Kuniga, Japan	JOW		26.8322N	128.2745E
Kunimi, Japan	JKI		33.6317N	131.5683E
Kuni, Japan	JGK		36.5620N	138.6397E
Kunneppu, Japan	KNP		43.7599N	143.7124E
Kurahashi, Japan	JHM		34.1383N	132.5283E
Kurayoshi, Japan	KYTD		35.4392N	133.8339E
	JKR		35.3783N	133.8200E
Kure, Japan	KRE	Closed	34.2333N	132.5667E
Kureishibaru, Japan	KRA		32.7898N	130.3090E
Kurino-dake, Japan	KV04		31.9422N	130.8133E
Kuroka, Japan	JGF		35.6008N	137.3572E
Kuromamegawa, Japan	KMGE		36.4200N	138.5456E
Kuroyon, Japan	KYJ		36.5640N	137.6692E
Kushihara, Japan	KHJ		35.2576N	137.4088E
Kushima, Japan	JJK		31.4800N	131.2850E
Kushiro, Japan	KUS		42.9783N	144.3950E
Kushiro Outpost, Japan	KUSJ		43.0983N	144.7100E
Kushihara, Japan	KHJ		35.2576N	137.4088E
Kutsugahara,	KUT	Closed	34.9528N	132.8159E

Japan

Kuzuma, Japan	JKZ		39.9845N	141.3298E
Kyosami, Japan	KYS	Closed	35.1997N	140.1482E
Kyoto, Japan	KYO		35.0117N	135.7350E
Kyoto University, Japan	KYT			
Mabushi, Japan	MBS		34.6967N	139.4009E
Maebashi, Japan	MAE		36.4017N	139.0650E
	MAEJ		36.5337N	139.1795E
Maeio, Japan	MKO		35.8217N	137.6048E
Maizuru, Japan	MZH		35.4717N	135.3867E
2,	MZH2		35.4017N	135.3933E
	MAI	Closed	35.4717N	135.3867E
Maki, Japan	MAKK		32.9173N	130.9279E
Makukawa, Japan	MAKT		37.6792N	140.2494E
Manobe, Japan	JMN		33.7283N	133.8783E
Marcus Island, Japan	MCS	Closed	24.2900N	153.9883E
Marumori, Japan	JMM		37.8660N	140.7930E
Maruseppu, Japan	JMP		44.0070N	143.3597E
Masuda, Japan	JMD	Closed	34.6317N	131.8933E
Matsue, Japan	MTS		35.4550N	133.0717E
Matsukawa, Japan	MTU		36.4394n	137.8392E

Matsumoto, Japan	MTM		36.2433N	137.9733E
Matsumoto Outpost, Japan	MTMJ		36.5850N	137.8050E
Matsumotoyama, Japan	MATH		42.5489N	140.8683E
Matsushiro, Japan	MAT		36.5417N	138.2089E
	MAJO		36.5427N	138.2070E
Array Site 0	MAT0		36.5417N	138.2067E
Array Ref.	MAJR		36.5417N	138.2089E
Site 0,	MJ00		36.5427N	138.2070E
1,	MJ01		36.5599N	138.2419E
2,	MJ02		36.5392N	138.3193E
3,	MJ03		36.4816N	138.2976E
4,	MJ04		36.4681N	138.2538E
5,	MJ05		36.4867N	138.2139E
6,	MJ06		36.5216N	138.2503E
Matsuyama, Japan	MTY		33.8400N	132.7800E
Mawashi, Japan	MWS	Closed	26.2333N	127.6833E
Maze, Japan	MZE		35.8911N	137.1553E
	MYE		35.8911N	137.1553E
Mihama, Japan	MHJ		35.5306N	135.9789E
	JFM		35.5283N	135.9833E
Mikata, Japan	JMT		35.4433N	134.5350E
Mikawa, Japan	MKW		34.6111N	133.1071E
	MIKN		34.7626N	137.4701E

Mikazuiu, Japan	MZT		34.9867N	134.4446E
Miki, Japan	JMIK		34.8045N	135.0530E
Minabegawa, Japan	JWM		33.8500N	135.3533E
Minamiaizu, Japan	MAI		37.2174N	139.9248E
Minamiashigara, Japan	ASG		35.3138N	139.0279E
Minami 2, Japan	JMZ		25.8190N	131.2207E
Minami-daito- jima, Japan	MVI		25.8283N	131.2350E
2,	JMZ		25.8190N	131.2207E
Minami-Gairin, Japan	SRMH		42.5312N	140.8330E
Minamiizu, Japan	MIZN		34.6889N	138.8424E
Minami-tori- shima, Marcus Island, Japan	MCSJ			
Mineoka, Japan	MNJ		35.1019N	139.9908E
Minmaya, Japan	MMA		41.1586N	140.4136E
Misaki, Japan	MSK	Closed	35.1500N	139.6167E
	MSK1		34.4037N	132.1216E
Misakubo, Japan	MSKJ		35.1934N	137.9391E
Mishima, Japan	MIS		35.1117N	138.9300E
Misumai, Japan	HSS		42.9467N	141.2324E
Misono, Japan	MSN		42.4232N	142.5414E
Misumai,	HSS		42.9467N	141.2324E

Japan

Misusawa, Japan	MIZ		39.1333N	141.1333E
Mitaka, Japan	MTK	Closed	35.6667N	139.5000E
Mito, Japan	MIT		36.3783N	140.4717E
Mitogawa, Japan	MTGE		33.5539N	135.6874E
Mitoyo, Japan	MITH		42.5728N	140.7804E
Mitsume, Japan	JHJ2	Closed	33.1117N	139.8167E
Mitsuishi, Japan	MUJ		42.2831N	142.5856E
Miyako-jima, Japan	MYK		24.7833N	125.2833E
2,	JMJ		24.8147N	125.2935E
Miyako, Japan	MKO		39.5900N	141.9817E
2,	MIYJ		39.5733N	141.8217E
	MIY		39.6450N	141.9683E
Miyama, Japan	JGM		35.6993N	136.7182E
Miyazu, Japan	MYD	Closed	35.5333N	135.1200E
Myokensan, Japan	MYO		34.9254N	135.4705E
Mizumiiro, Japan	MZI		35.0440N	138.2936E
	MZI1		35.0425N	138.2938E
Mizusawa, Japan	MIZ		39.1333N	141.1333E
Monobe, Japan	JMN		33.7283N	133.8783E
Monomi-yama, Japan	K08		39.3128N	141.5244E
2	MRKJ		39.5988N	141.3238E
Mori, Japan	MOR		42.1050N	140.5750E

Morioka, Japan	MRK	39.6967N	141.1683E
2,	MRKJ	39.5988N	141.3238E
Moriya, Japan	MRJ	35.9425N	140.0044E
Motegi, Japan	MGJ	36.5535N	140,2167E
Moyori, Japan	MYR	42.2918N	143.2837E
Muroran, Japan	MRR	42.3167N	140.9833E
2	MRRJ	42.4250N	141.0717E
Murota Misaki, Japan	MRMJ	33.2444N	134.1805E
Muroto, Japan	MUT	33.2616N	134.1768E
Murotomasaki, Japan	MRT	33.2483N	134.1783E
2	MRT2	33.3867N	134.1433E
Myaki-jima, Japan	MKJ	36.1100N	139.5283E
2,	JMY	34.0658N	139.5167E
Myazaki, Japan	MYZ	31.9167N	131.4267E
2	MYZ2	32.8967N	131.4117E
Myojinyama, Japan	MJY	33.8014N	134.6466E
Myokensan, Japan	MYO	34.9254N	135.4705E
Mount Tsukuba, Japan	MTJ	36.2108N	140.1100E
Nabeyama, Japan	NABD	31.4875N	130.7753E
Nagahama, Japan	JNA	33.5567N	132.4783E
	NGA	33.5333N	132.4685E

Nagano, Japan	NGN		36.6600N	138.1967E
Nagara, Japan	JCN		35.4183N	140.2017E
Nagasaki, Japan	NGS		32.7317N	129.8700E
	NGSJ		32.6300N	129.8000E
Nagatsura, Japan	NGT		34.6000N	138.8467E
Na-gawa, Japan	NGJ		36.1330N	137.7208E
Nago, Ryukyu, Japan	NGO		26.5950N	127.9733E
	NGO1		26.5900N	127.9683E
	NAGO		26.0000N	128.1000E
Nagoya, Japan	NAG		35.1650N	136.9683E
Naha, Ryukyu, Japan	NAH		26.2167N	127.6833E
	NAH1		26.2033N	127.6900E
Nakaizu, Japan	JIZ		34.9124N	138.9968E
Nakanomata, Japan	JJN		37.1030N	138.1630E
Nakanohara, Japan	NKR		34.9419N	132.8241E
Nakanosawa, Japan	NSW		36.4006N	138.5697E
Nakano, Japan	NNJ	Closed	36.7486N	138.3853E
Nakamo, Japan	JJN		37.1030N	138.1630E
Nakanohara, Japan	NKR1		34.9417N	132.8239E
Nakano-shima, Japan	JNN		29.8417N	129.8750E
Nakashibetsu, Japan	JNK		43.5853N	144.7190E

Nakats, Japan	JNU		33.1217N	130.8783E
Nakayama Pass, Japan	NKS	Closed	42.8295N	141.0163E
Nake, Japan	NKE	Closed	28.3833N	129.5000E
Nanao, Japan	NNJ		36.9809N	136.9649E
Nango, Japan	JANG		40.3735N	141.5152E
Nara, Japan	NAR		34.6833N	135.8333E
Naramoto, Japan	NRME		34.8266N	139.0645E
Naze, Okinawa, Japan	NZJ		28.3767N	129.4983E
Neginohata, Japan	NGHE		34.8122N	138.8281E
Nemuro- Hokkaido Univ. Japan	NMR		43.3695N	145.7277E
	NEM		43.3283N	145.5867E
	NEM2		43.3667N	145.7433E
Nibetsu, Japan	NIB		39.8033N	140.2683E
Niigata, Japan	NII		37.9100N	139.0517E
	NIIJ		37.2400N	139.0017E
Niihama, Japan	NHM	Closed	33.9500N	133.2500E
Nii-shima, Japan	NJJ	Closed	34.3667N	139.2500E
	-2 NJJJ		34.4000N	139.2833E
Nijima, Japan	NIJ		34.3890N	139.2696E
Nikko, Japan	NIK		36.6208N	139.4872E
Nirayama, Japan	NRJ		35.0599N	138.9628E
Nirehara,	NRJ		36.5133N	137.2384E



Japan

Nishiizu, Japan	NSI		34.7870N	138.8040E
Nishinai, Japan	K01		39.3989N	141.6053E
Kitagairin, Japan	NRM		34.7508N	139.4032E
Nirayama, Japan	NRY		35.072N	138.9832E
Niukawa, Japan	JGN		36.2232N	137.3153E
Nobeoka, Japan	NOB		32.5833N	131.6833E
Noboribetsu, Japan	JNB		42.4687N	141.0383E
Nojiri, Japan	NOJ		31.5586N	130.6386E
Nomashi, Japan	NMS		34.7290N	139.3620E
Nomozaki, Japan	NMZ		32.5953N	129.7909E
Norozan, Japan	NOR		34.2615N	132.6690E
Nou, Japan	NOUE		37.0480N	138.0309E
Numazu, Japan	NUM	Closed	35.1000N	138.8500E
Obama, Japan	SWAJ		32.6775N	130.2022E
Obara, Japan	JAO		35.2667N	137.2583E
Obihiro, Japan	OBI		42.9200N	143.2217E
Ochira, Japan	OHJ		36.3600N	139.6924E
Oda, Japan	JJO		35.1683N	132.5033E
Odaira, Japan	OHD		42.5262N	140.8425E
Odawara, Japan	JOD	Closed	35.2648N	139.0908E

	2	JOD2		35.2632N	139.0882E
Ofunato, Japan		OFU		39.0617N	141.7183E
Ofunato Outpost, Japan		OFUJ		39.0800N	141.6683E
Oga, Japan		JOG	Closed	39.9043N	139.7770E
	2	JOG2		39.9140N	139.79127E
		OGH		39.9050N	139.7769E
Ogasawara, Japan		OGS		27.0568N	142.2029E
Ohata, Japan		JOT		41.3820N	141.04832E
Ohazama, Japan		JOM		39.4730N	141.2923E
Ohdaira, Japan		OHD		42.4730N	140.2923E
Ohira, Japan		OHJ		36.3600N	139.6924E
Ohmine, Japan		OMJ		36.6677N	138.1820E
Ohmuta, Japan		OMT		33.0639N	130.4558E
Ohyama, Japan		OYM		35.4200N	134.2429E
Oishiyama, Japan		OIS	Closed	34.1053N	135.3273E
	A	OIA		34.1031N	135.3201E
	B	OIB		34.0998N	135.3208E
	C	OIC		34.0989N	135.3167E
		OIS		34.1015N	135.3218E
Oishizaki, Japan		OZK		34.2645N	134.9525E
Oita, Japan		OIT		33.2333N	131.6233E
		OIT2		33.2783N	131.4517E
Oiwake, Japan		OIW	Closed	36.3400N	138.5517E

Okabe, Japan	OKB		34.9500N	138.2538E
Okamoto-Ura, Japan	KV09		32.0183N	130.7878E
Okayama, Japan	OKA	Closed	34.6817N	133.9150E
	OKA1		34.6583N	133.9183E
	OKA2		34.6417N	133.9517E
Okijuku, Japan	OKI	Closed	36.0500N	140.2500E
Okuchi, Japan	JZO		32.1400N	130.5983E
Okuno, Japan	OKN		34.9319N	139.0706E
	OKV		34.9370N	139.0635E
Okura, Japan	JOU		38.3655N	140.6640E
Okushiri, Japan	OKS		42.0650N	139.4433E
Okushj, Japan	JOR		42.0667N	139.4450E
Okuyama, Japan	OKY		35.2273N	138.4212E
Omaezaki, Japan	OMA		34.6033N	138.21383E
Omiachiman, Japan	OHM		35.1738N	136.0835E
Omiya, Japan	OOM	Closed	35.2167N	138.6333E
Onahama, Japan	ONA		36.9450N	140.9067E
	-2 ONAJ		37.1167N	140.7983E
Onbets, Japan	JOB		42.9033N	143.8347E
Onioshidashi, Japan	ODSE		36.4219N	138.5219E
Ohazama, Japan	JOM		39.4730N	141.2923E
Oohira, Japan	OHRN		35.4878N	137.1946E

Ooide, Japan	K09		39.4742N	141.5114E
Ookuchi, Japan	JZO		32.1400N	130.5983E
Oonami-East, Japan	KV05		31.9217N	130.8586E
Oonami West, Japan	KV03		31.9217N	130.8425E
Oonodaira, Japan	K10		39.4958N	141.5147E
Oosado, Japan	OSD		38.2424N	138.4111E
Ooshika, Japan	OOS		35.5797N	138.0487E
	OOS1		35.5858N	138.0653E
Osaka, Japan	OSA		34.6783N	135.5217E
	OSK		34.6117N	135.6600E
Oshima, Japan	OSH		35.7617N	139.3783E
	OSHJ		34.7467N	139.3667E
	JIM		34.7617N	139.3767E
	JIM2		34.7175N	139.4312E
Otama, Japan	JFT		37.5182N	140.3367E
Oura, Japan	ORJ		35.5171N	136.1197E
Ouri, Japan	JIO		38.4543N	141.3488E
Owase, Japan	OWA		34.0667N	136.1950E
Oya 1, Japan	OYT		35.3339N	134.6645E
Oya 2, Japan	OYT2		35.3218N	134.6658E
Oyama, Japan	OYM	Closed	35.4201N	139.2430E
Rausu, Japan	JRA		43.9378N	145.1220E
Rishiri, Japan	JRR		45.1378N	141.3112E
Rokko, Japan	RKO		34.7639N	135.3018E

Rokugo, Japan	JRG		39.3963N	140.6338E
Rumoi, Japan	RMJ		43.9500N	141.6333E
Ryogami-san, Japan	JRY		36.0167N	138.9017E
Sado, Japan	JSD		38.0370N	138.2603E
	SAD		38.3166N	138.5057E
Saga, Japan	SAG		33.2450N	130.3050E
Sagara, Japan	JSG		34.6794N	138.1860E
	SGRN		34.71223N	138.1889E
Saigo, Japan	SAI		36.2017N	133.3367E
Saijyo, Japan	JHS		34.9983N	133.1150E
Sakai, Japan	SAA	Closed	35.5500N	133.2333W
	JNG		36.2424N	138.0600E
Sakaide, Japan	JJS		34.3733N	133.9317E
Sakata, Japan	SAK		38.9067N	139.8467E
Sakata Outpost, Japan	SKH		38.8567N	139.9733E
Sakura, Japan	SKU	Closed	35.7167N	140.2333E
Sanada, Japan	SDJ		36.4367N	138.3052E
Sannotorii, Japan	STRE		36.4014N	138.5517E
Sanriku, Japan	SNI		39.1067N	141.7583E
Sarutani, Japan	SRT		34.1761N	135.7450E
Sapporo, Japan	SAP		43.0583N	141.3317E
Sasakami, Japan	JNS		37.8183N	139.3712E

Sawada, Japan	SWD		38.0520N	138.2857E
Sawauchi, Japan	SAH		39.4033N	140.7717E
	SWU			
	SAW		39.4031N	140.7672E
Sekisonzan, Japan	SSZ		36.3867N	138.5208E
Sekiya, Japan	SEK		37.0953N	139.5762E
Sendai, Japan	SEN		38.2600N	140.9000E
Senzan, Japan	SNZ		34.3530N	134.8407E
Shakotan, Japan	JSK		43.3525N	140.4757E
Shibata, Japan	SBH		37.9656N	139.4538E
Shichikawa, Japan	SKW		33.5880N	135.6902W
Shikano, Japan	SNTD		35.4105N	134.0204E
Shimagawa, Japan	SIN	Closed		
Shimam, Japan	JSH		42.6430N	140.0448E
Shimbara, Japan	SHV		32.7706N	130.3631W
Shimizu, Japan	SHM		32.7750N	132.9583W
	SMZ			
Shimob, Japan	JYN		39.4977N	138.5443E
Shimobe, Japan	SBJ		35.4157N	138.4834E
Shimogamo, Japan	SGMN		34.6472N	138.8550W
Shimohsa,	SMJ		35.7934N	140.0238E

Japan

Shimokamo, Japan	SMK		34.6458N	138.8544E
Shimonomoto, Japan	SMJD		36.3941N	137.3864E
Shimonoseki 3, Japan	SHN		33.9533N	130.9417W
	SHN1		33.9450N	130.9283W
	2, SHNJ		34.1250N	131.1083W
Shimotochinai, Japan	K03		39.3583N	141.5775E
Shimoyama, Japan	SYJ		35.0365N	137.3155E
Shinagawa, Japan	SIN	Closed	35.6167N	139.7500W
Shinhuzimiza, Japan	SHZE		36.3992N	138.5358W
Shinkai, Japan	SNK		34.7890N	139.3648E
Shinsu- Shinmachi, Japan	SSJ	Closed	36.5715N	179.0396E
Shintoyone, Japan	STN		35.1355N	137.7436E
Shioba, Japan	JSB		36.9683N	139.9173E
Shionomisake, Japan	SHJ		33.4883N	135.7633W
Shinpukuji, Japan	SPJN		35.4538N	136.7930E
Shionoe, Japan	SON		34.1569N	134.0703E
Shirat, Japan	JYS		38.2210N	140.0655E
Shirahama, Japan	SHRD		31.6100N	130.6750E
Shiraki, Japan	SHK		34.5322N	132.6775W

Shirakawa, Japan	SHR		37.1183N	140.2250W
2,	SHRJ		37.0767N	140.2333W
	SRJD		35.5777N	136.4160E
Shirat, Japan	JYS		38.2210N	140.0655E
Shiriuchi, Japan	JSR		41.5245N	140.4178E
Shiroyama, Japan	SRY		35.6083N	139.2742E
Shiura, Japan	JSI		41.0547N	140.3967E
	JSI2		41.0575N	140.4112E
Shizugawa, Japan	SZG		34.8882N	135.8319E
2	SHZJ	Closed	35.0278N	138.4227E
Shizuoka, Japan	SHZ		34.9733N	138.4067W
2,	SHZJ		35.0278N	138.4277E
3	SHZ3		35.0658N	138.2100E
Shosan, Japan	JSS		44.4155N	141.8532E
Showa-Shinzan, Japan	SHOH		42.5352N	140.8617W
Siiikano, Japan	SNT		35.4105N	134.0203E
Siiiraig, Japan	SHK		34.5322N	132.6775E
Siiroyania, Japan	SRY		35.6083N	139.2741E
Sinyu, Japan	KV12		31.8886N	130.8714E
Soyaes, Japan	JSE		44.9588N	142.5917E
Sugihara, Japan	SRJ		36.4141N	137.1917E



Sugihashi, Japan	SGJ		35.6111N	136.1456E
Sumoto, Japan	SUM		34.3350N	134.9083E
	SMT		32.4293N	130.3133E
Sunasenri, Japan	SUNK		32.8695N	131.0892E
Susaki, Japan	SUS	Closed	34.6667N	138.9833E
Suttsu, Japan	SUT		42.7900N	140.2400E
1	SUT1		42.7933N	140.2833E
Suzu, Japan	JSZ		37.4483N	137.3633E
Suzuya, Japan	JSU		31.5067N	130.4550E
Syakotan, Japan	SYK		43.3703N	140.4852E
Tadotsu, Japan	TAD	Closed	34.2833N	133.7667E
Taga. Japan	JTG	Closed	35.1867N	136.3217E
Taio, Japan	TAI		33.1277N	130.8715E
Takachiho West, Japan	KV11		31.8839N	130.8989E
Takada, Japan	TKD		37.1050N	138.2500E
	TKJ		37.1280N	138.2098E
Taka-dake, Japan	TAKK		32.8787N	131.1015E
Takamatsu, Japan	TKM		34.3167N	134.0583E
Takane, Japan	TKN		35.9824N	137.5122E
Takato, Japan	JNT		35.8750N	138.1383E
Takayama, Japan	TKY		36.1517N	137.2550E
	TAKN		36.1328N	137.1842E

	TAY		35.2147N	139.6154E
Takayania, Japan	TAK		36.1328N	137.1841E
Takeda, Japan	TKD		32.8144N	131.3900E
Take-yama, Japan	TKE		35.2170N	139.6669E
Takazaki, Japan	JTZ		31.9013N	131.1518E
Takazawasan, Japan	TKZ		35.5430N	136.9754E
Tamagusuku, Japan	JJT	Closed	26.1495N	127.7667E
2	JJT2		26.1383N	127.7487E
Tamana, Japan	JTA		32.9633N	130.5333E
Tanabu, Japan	TNB	Closed	41.2833N	141.2167E
Tanbar, Japan	JET		33.7783N	133.0483E
Tannan, Japan	TNJ		35.0314N	135.2136E
Tanega-shima, Japan	TAJ		30.7333N	131.0000E
2,	TAJ2		30.6350N	130.9800E
3,	JTN		30.6550N	130.9880E
Tanoha, Japan	JTH		39.9387N	141.8637E
Tanto, Japan	TTOK		35.5065N	134.9773E
Tarama-jima, Japan	JTJ		24.6408N	124.7020E
Tashiro 2, Japan	JTSR		31.1663N	130.9217E
Tateyama, Japan	TYM		34.9708N	139.8481E
	TAT		34.9833N	139.8683E
	TATJ		35.0333N	139.8900E

Tatsuka, Japan	TATH		42.5305N	140.8838E
Tayu, Japan	TRT		35.1022N	133.2016E
Tenmabayashi, Japan	JTM		40.7868N	141.0652E
Tenryu, Japan	TNRJ		34.9078N	137.8852E
Teshikaga, Japan	TES		43.4836N	144.4028E
Tobi-shima, Japan	JTB		39.1953N	139.5573E
	TOBT		39.1900N	139.5500E
	TBS		39.1920N	139.5560E
Todoroki, Japan	TDR	Closed	34.1597N	135.3069E
Togakushi, Japan	TGA		36.6593N	138.0847E
Togane, Sendai, Japan	TOG	Closed	35.5500N	140.5667E
Tohoku Univ. Sendai, Japan	TOH			
Tokai O.B.S. 1 Japan	TK01		33.7650N	137.5900E
O.B.S. 2	TK02		33.9467N	137.7567E
O.B.S. 3	TK03		39.1650N	137.9650E
O.B.S. 4	TK04		34.3850N	137.8750E
Tokuno-shima, Japan	JTK		27.7850N	128.9517E
Tokushima, Japan	TKS		34.0650N	134.5767E
2,	TKSJ		33.9833N	134.0483E
Tokuyama, Japan	TKJD		35.6919N	136.4777E
Tokyo, Japan	TOK		35.6867N	139.7583E

Tomakomai, Japan	TMR		42.6333N	141.5833E
Tomamai, Japan	TOI		44.2212N	141.6837E
Tomari, Japan	TMR		41.0980N	141.3875E
Tomie, Japan	TOM	Closed	32.6083N	128.7650E
Tomioka, Japan	TMO		32.5253N	130.0347E
Tomisaki, Japan	TMS	Closed	34.9200N	139.0283E
Tori-shima, Japan	TOR	Closed	30.4817N	140.3050E
Tosash, Japan	JTO		32.8600N	132.8017E
Tottori, Japan	TTT		35.5147N	134.2378E
	TOT		35.5117N	134.1783E
Tottori Outpost, Japan	TOTJ		35.4783N	134.2717E
Toyama, Japan	TOY		36.7067N	137.2083E
Toyohashi, Japan	TYH		34.7626N	137.4701E
Toyohira, Japan	JHT		34.6622N	132.4210E
Toyone, Japan	TYNN		35.1329N	137.6696E
Toyooka, Japan	TYK		35.5333N	134.8250E
Tsu, Japan	TSU		34.7017N	136.5183E
Tsu 1, Japan	TSU1		34.7300N	136.5233E
Tsu 2, Japan	TSUJ		34.7100N	136.4200E
Tsukuba, Japan	TSK		36.2108N	140.1097E
Tsukechi, Japan	TKC		35.6534N	137.4662E

Tsuna, Japan	TNAK	34.4180N	134.8849E
Tsuno, Japan	JTSN	32.2455N	131.5048E
Tsuruga, Japan	TSR	35.6500N	136.0650E
Tsuruga Outpost, Japan	TSRJ	35.5367N	135.9833E
Tsurugisan, Japan	TSS	34.0417N	134.1700E
Tsurumai, Japan	TSM	35.4110N	140.2293E
Tsushima, Japan	JTU	34.5250N	129.3983E
Ttatey, Japan	JTT	36.6050N	137.3333E
Tsuyama, Japan	TUY	38.3900N	
Ueda, Japan	UED	36.4204N	138.1526E
Ugakei, Japan	UGK	35.0967N	136.4729E
	UGK1	35.0945N	136.4608E
Ugurusu, Japan	URS	33.5376N	133.4886E
Uii, Japan	UII	34.8666N	135.8269E
Uji, Japan	UJI	34.8666N	135.8269E
Ujitahara, Japan	UJT	34.8489N	135.9076E
Umaji, Japan	UMJ	33.5462N	134.0470E
Umejima, Japan	UMJE	35.1928N	138.4979E
Unzendake, Japan	UNZ	32.7400N	130.2650E
Ura, Japan	KV91	32.0131N	130.8031E
Urahoru, Japan	URH	42.9270N	143.6744E
Urakawa, Japan	URA	42.1583N	142.7800E

	2	URAJ		42.2247N	142.7050E
	3	URA3		42.2767N	142.6667
Ureshino, Japan		JUR		33.0933N	129.9483E
Usu Kazan Kan, Japan		UVO		42.5569N	140.8457E
Usuki, Japan		JUS		33.0650N	131.7500E
Utsukushigah, Japan		UTG		36.2225N	138.1100E
Utsunomiya, Japan		UTS		36.5433N	139.8717E
		UTSU		36.5470N	139.9171E
Uwajima, Japan		UWA		33.2250N	132.5583E
	2	UWA2		33.2133N	132.6250E
Uzuto, Japan		UZT		34.5817N	133.1427E
Wachi, Japan		JWT		35.2825N	135.4025E
		WTJ		35.2824N	135.4014E
Wajiki, Japan		WKJ		33.8598N	134.5417E
Wajima, Japan		WAJ		37.3900N	136.8983E
		WIM		37.3511N	136.8382E
Wakamiya, Japan		WMY		33.6421N	133.6751E
Wakaura, Japan		WKU	Closed	34.1879N	135.1730E
Wakayama, Japan		WKY		34.2267N	135.1667E
	2,	WKYJ		34.2183N	135.5933E
		WKME		34.1909N	135.1673E
Wakkake-Misaki, Japan		JWK	Closed	45.4168N	141.6732E
Wakkanai,		WAK		45.4133N	141.6833E

Japan	WAKJ		45.4133N	141.6833E
Yagi, Japan	YGI		34.0681N	135.5119E
	YAG	Closed	34.5167N	135.8000E
Yagishiri-jima, Japan	JYG		44.4268N	141.4265E
Yahiko, Japan	YHKE		37.7336N	138.8030E
Yakedake, Japan	YKE		36.2472N	137.5730E
	YKE1		36.2555N	137.5698E
Yakumo, Japan	JYM		42.2012N	140.2533E
	JYM2		42.1172N	140.3700E
Yakushima, Japan	YKS	Closed	30.4500N	130.4967E
Yamagata, Japan	YAM		38.2533N	140.3500E
Yamagata Outpost, Japan	YAMJ		38.1733N	140.0367E
Yamasaki, Japan	K02		39.3744N	141.5967E
Yamasaki, Japan	YZT		35.1030N	134.5065E
Yamizo, Japan	YMZ		36.9241N	140.2479E
	YMZU		36.9232N	140.2460E
Yanaizu, Japan	JFY		37.4068N	139.2048E
Yasaka, Japan	JKY		35.6283N	135.1033E
Yasato, Japan	JYT		36.2277N	140.1940E
Yasuok, Japan	JNY		35.3583N	137.8617E
Yatsum, Japan	JYA		38.5930N	139.7138E

Yayoi, Japan	YAY		40.6572N	140.3782E
Ykaney, Japan	JYK		38.9178N	140.3590E
Yokahama, Japan	YOK		35.4367N	139.6550E
	YSK			
Yokaichiba, Japan	YKI		35.7185N	140.5088E
Yokosuka, Japan	YSK	Closed	35.3167N	139.6500E
	JYO		35.2238N	139.6653E
Yokooka, Japan	YOKT		39.1600N	139.9800E
Yonago, Japan	YON		35.4333N	133.3433E
Yonago 2, Japan	YONJ		35.1883N	133.4633E
Yonaguni-jima, Japan	YOJ		24.4667N	123.0167E
Yonaguni 2, Japan	JYJ		24.4502N	122.9437E
Yoshimatsu, Japan	YOSD		32.0006N	130.7278E
	YSM		32.0267N	130.7361E
Yoshiwara, Japan	YOS	Close	35.1667N	138.6833E
Ytoyt, Japan	JTY		34.2633N	131.0650E
Yuasa, Japan	YAS		34.0328N	135.1822E
Yamasaki, Japan	YST		35.0008N	134.6285E
	YZT		35.1030N	134.5065E
Yunotani, Japan	YNT		37.2233N	139.0145E
Yuwa, Japan	JYW		39.5403N	140.2085E
Yuzawa, Japan	YZU		36.8952N	138.7813E



## Johnston Island

Johnston Island, U.S.	JN-IS	16.7339N	169.5281W
	JOHN	16.7329N	169.5292W

## Jordan

Jordan	KARJ	31.1200N	35.6530E
Jordan	KSHJ	30.2740N	36.9660E
Jordan	MUDJ	29.4220N	35.8200E
Jordan	QRHJ	29.6850N	35.3220E
Al Aquabah, Jordan	AQBJ	29.7280N	35.0500E
Al Aritein, Jordan	ARTJ	32.2467N	36.8283E
Al Shahba, Jordan	SHBJ	32.3025N	37.8280E
Amman, Jordan	UNJ	32.0152N	35.8708E
Al Aritein, Jordan	ARTJ	32.2467N	36.8283E
Burma, Jordan	BURJ	32.2418N	35.8042E
Casr Tuba, Jordan	CSTJ	31.1200N	36.6670E
Dahl, Jordan	DHLJ	30.8200N	35.4020E
Daraweish, Jordan	JRDJ	30.7280N	35.6660E
Ghuzeima, Jordan	GHZJ	30.5300N	36.3250E
Hallabat, Jordan	HLBJ	32.0775N	36.3025E
Hamta, Jordan	HMTJ	32.2208N	35.8122E

Hashim, Jordan	HSHJ	29.4210N	35.4000E
Hittiya, Jordan	HITJ	29.7430N	35.8410E
Jabal ar Rishah, Jordan	JRSJ	30.2610N	35.2330E
Jarash, Jordan	JARJ	32.2375N	35.9463E
Jordan Valley, Jordan	JVI	31.9300N	35.3500E
Kafrein, Jordan	KFNJ	31.8167N	35.6769E
El Lisan, Jordan	LISJ	31.2400N	35.4810E
Makawir, Jordan	MKRJ	31.5522N	35.6408E
Marsad, Jordan	MRSJ	29.6850N	35.3220E
El Maslubiya, Jordan	MASJ	31.4344N	35.4306E
Mudaysisat, Jordan	MDSJ	31.6320N	36.2520E
Muduarah, Jordan	MDRJ	29.4420N	35.8200E
Qac trana, Jordan	QTRJ	31.3000N	36.0100E
Quatafi, Jordan	QTFJ	31.8230N	37.4800E
Qutrana, Jordan	QUTJ	31.2987N	36.0100E
Ras en Naqb, Jordan	NAQJ	30.0000N	35.5050E
Rimmonim, Jordan Valley, Jordan	JVI	31.9300N	35.3500E

El Rumman, Jordan	RUMJ	32.1819N	35.8275E
Ruweishid, Jordan	RUWJ	32.4750N	38.4020E
Saham, Jordan	SHMJ	32.7270N	35.7640E
Salt, Jordan	SALJ	32.0094N	35.6847E
Shawbak, Jordan	SHWJ	30.3830N	35.5000E
Sultana, Jordan	SULJ	31.0867N	36.0767E
Sumiya, Jordan	SMAJ	32.0918N	35.4659E
University of Jordan, Amman, Jordan	UNJ	32.0158N	35.8708E

## **Kazakstan**

Aktyubinsk, Kazakstan	AKB AKTK	50.2600N	58.1000E
Alma-Ata,  Kazakstan	AAA AAT TLG	43.2717N	76.9467E
Bayan-Aul, Kazakstan	BAYK	50.8200N	75.5500E
Borovoye, Kazakstan	BRVK	53.0581N	70.2828E
Chilik, Kazakstan	CHI	43.5667N	78.4167E
Chimkent, Kazakstan	CHM	42.3000N	69.6000E

Chkalovo, Kazakstan	CHKZ		53.6762N	70.6152E
Chumysh, Kazakstan	CHMS		43.0000N	74.8000E
Dzhambue, Kazakstan	DZA		42.1000N	71.4000E
Fabrichnaya, Kazakstan	FAB	Closed	43.1333N	76.4333E
Ili, Kazakstan	ILI	Closed	43.5500N	77.0600E
Karraralinsk, Kazakstan	KKL		49.3300N	75.3800E
Kastek, Kazakstan	KST		43.0000N	76.0000E
Kayak, Kazakstan	AKTK			
Krasnogorka, Kazakstan	KRS	Closed	43.2500N	75.1667E
Kurchatov, Kazakstan	KURK		50.7154N	78.6202E
Kurchatov Array site 1	KUR01			
Kurday, Kazakstan	KRD	Closed	43.3833N	75.0500E
Kurmenty, Kazakstan	KRM		43.0000N	78.2667E
Kurty, Kazakstan	KUU		44.2500N	76.7500E
Makanchi, Kazakstan	MAKZ		46.8080N	81.9770E
Array Ref. Point,	MKAR		46.7700N	82.3000E
Qyzylaghash, Kazakstan	KZAG		45.3710N	78.7220E
Semey,	SEM		50.4083N	80.2500E

## Kazakstan

Shelek, Kazakhstan	CHL	43.5270N	78.3740E
Taldy-Kurgan, Kazakhstan	TDK	45.0000N	78.4000E
Talgar, Almaty, Kazakhstan	TLG	43.2667N	77.3833E
Turgen, Kazakhstan	TGN	43.3000N	77.0000E
Vostochnaya, Kazakhstan	VOSK	52.7233N	70.9797E
Vouglans, Kazakhstan	VOU	46.3989N	5.6508E
Zerendi, Kazakhstan	ZRNK	52.9508N	69.0042E

## Kenya

Kibwezi, Kenya	KIBK	2.3400S	38.0460E
Kibwezi, Kenya	KIBK	2.3400N	38.0460E
Kilima Mbogo, Kenya	KMBO	1.1268S	37.2523E
Magadi, Kenya	MAGK	1.9182N	36.2873E
Meru, Kenya	MERK	0.1925S	37.8095E
Mgadi, Kenya	MAGK	1.9182S	36.2873E
Millimani, Kenya	MILK Closed	0.1140S	34.7510E
Nairobi, Kenya	NAI	1.2739S	36.8037E
	NAKO	1.2739S	36.8037E
Nyeri, Kenya	NYRK Closed	0.4290S	36.9370E
Olikaria, Kenya	OLK Closed	0.8880S	36.3240E

OLWK Closed		0.8380S	36.2640E
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## **Kiribati**

Ala-Archa, Kiribati	AAK	42.6330N	74.4940E
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Kiritimati (Christmas Is.), Kiribati	XMAS	2.0448N	157.4453W
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Tarawa, Gilbert Islands, Kiribati	TARA		
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Fanning Island, Line Islands, Kiribati	FAN Closed	4.0000N	162.0942W
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Palmyra Island, Line Islands, Kiribati	PR-IS Closed	5.8881N	159.6667W
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Kanton, Phoenix Islands, Kiribati	KNTN		
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## **Kuwait**

Jajlakah, Kuwait	FKI	29.4471N	48.3132E
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Kabd, Kuwait	KBD	29.1756N	47.6933E
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Mutribah, Kuwait	MIB	29.8032N	47.3393E
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An Na'Ayim, Kuwait	NAY	29.2489N	47.2421E
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Qurayn, Kuwait	QRN	28.7444N	47.9177E
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Ar Radifah, Kuwait	RDF	28.9259N	47.5497E
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Umm ar Ru-	RST	29.5003N	46.9972E
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waystat, Kuwait

Umm ar Rimain, UMR Kuwait		29.5519N	47.7158E
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## Kyrgistan

Almayashu, Kyrgistan	AML	42.131N	73.694E
Ananyevo, Kyrgistan	ANVS	42.8000N	77.7000E
Aral, Kyrgistan	ARLS	41.4000N	73.9000E
Arkit, Kyrgistan	ARK	41.8000N	71.9500E
Arslanbob, Kyrgistan	ARSB	41.3240N	78.9820E
Balykchy, Kyrgistan	RYB	42.4500N	76.0873E
Batken, Kyrgistan	BTK	40.1000N	70.8000E
Belogorka, Kyrgistan	BGK	42.7000N	74.3000E
	BGK2		
	CHM	42.999N	74.751E
Bishek, Kyrgistan	FRU	42.8333N	74.6167E
Erkin Say, Kyrgistan	EKS		
	EKS2	42.661N	73.777E
Karagaybulak, Kyrgistan	KBK	42.656N	74.948E
Karakol, Kyrgistan	PRZ	42.4833N	78.4000E
Kirovskoe, Kyrgistan	KR1	42.3600N	71.3600E

Kyzart, Kyrgistan	KZA	42.078N	75.250E
Kyzyl-Adyr, Kyrgistan	KZAD	42.6590N	71.6000E
Lunacharskoye, Kyrgistan	LNC	41.2000N	69.2100E
Manas, Kyrgistan	MNAS	42.4870N	72.5040E
Naryn, Kyrgistan	NRN	41.4333N	76.0000E
Orto-Tokoy, Kyrgistan	OTK	42.4000N	76.0000E
Osh, Kyrgistan	OHH	40.5000N	72.8000E
Przhevalsk, Kyrgistan	PRZ	42.4833N	78.4000E
Rybachye, Kyrgistan	RYB	42.4500N	76.0833E
Sufi-Kurgan, Kyrgistan	SFK	40.0333N	73.5000E
Tash-pashat, Kyrgistan	TSTS	42.7000N	74.8000E
Terek-Say, Kyrgistan	TRKS	41.5300N	71.1400E
Tokmak, Kyrgistan	TKM2	42.921N	75.5966E
	TKMK	42.8601N	75.3184E
	TLG	43.233N	77.225E
	UCH	42.227N	74.513E
	ULHL	42.246N	76.242E
Uchtor, Kyrgistan	UCH		
	WUS	41.199N	79.218E



Ulahol, Kyrgistan	ULHL		42.2456N	76.2417E
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Uspenovka, Kyrgistan	USP		43.267N	74.450E
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## Lebanon

Bhannes, Lebanon	BHL		33.9039N	35.6531E
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Ksara, Lebanon	DSA	Closed	33.8233N	35.8900E
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## Libya

Al Marj, Libya	MARJ		32.5226N	20.8776E
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Gharyan, Libya	GHAR		32.1224N	13.0885E
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## Luxembourg

Luxembourg	LUX	Closed	49.6000N	6.1333E
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Walferdange, Luxembourg	WLF		49.6646N	6.1526E
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## Macau

Coloane, Macau	MCO		22.1219N	113.5583E
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## Macedonia

Katlanovo, Macedonia	KAY		41.8958N	21.7017E
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Lipkovo, Macedonia	LIP		42.1625N	21.5833E
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Matka, Macedonia	MYG		41.9567N	21.3008E
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Ohrid, Macedonia,	OHR		41.1114N	20.7989E
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Skopje, Macedonia	SKO		41.9721N	21.4396E
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Valandovo, Macedonia	VAY		41.3211N	22.5701E
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## Madagascar

Ambatonomby, Madagascar	OBY		19.3680S	47.4570E
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Ambohiby, Madagascar	ATG		18.8790S	46.1880E
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Ambohidratompo, Madagascar	OPO		18.5706S	47.1879E
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Ambohimiarambe, Madagascar	ABM		19.7810S	47.3650E
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Angavokely, Madagascar	AVY		18.9203S	47.7311E
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Antananarivo, Madagascar	TAN		18.9172S	47.5517E
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Firariana, Madagascar	FRR	Closed	18.7173S	47.5995E
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Fianarantsoa, Madagascar	FIAN			
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Mandiavato, Madagascar	MDSM		19.0852S	47.0306E
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Vatovaky, Madagascar	VTY		19.0759S	47.5386E
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Vodivohitra, Madagascar	VDA		19.0610S	46.9510E
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## Malawi

Chileka, Malawi	CLK		15.6800N	34.9767E
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Kowa, Malawi	KOWA		14.4967N	4.0167E
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Mbeya, Malawi	MBAT	8.8740S	33.4528E
Mzuzu, Malawi	MZM	11.4333S	34.0167E
Kowa, Mali	KOWA		

## Malta

Malta	MLT	35.9000N	14.4800E
Wield Dalam, Malta	WDD	35.8670N	14.5230E

## Marshall Islands

Eniwetok, Marshall Islands	EW-IS	11.3972N	162.3753E
Kwajalein Atoll, Marshall Islands	KWAJ	8.8019N	167.6130E

## Maylaysia

Ipoh, Maylaysia	IPM	4.5795N	101.0255E
Kepong, Maylasia	FRIM	3.2338N	101.6336E
Kluang, Maylasia	KGM	2.0157N	103.3190E
Kotakinabalu, Maylaysia	KKM	6.0443N	116.2147E
Kuala Lumpur, Maylaysia	KLM	3.1025N	101.6447E
Kuala Trengganu, Maylasia	KTGM	5,3283N	103.1356E
Kuching, Sarawak,	KSM	1.5000N	110.3617E

Maylaysia

Kudat, Maylasia	KDM		6.9160N	116.6336E
Penang, Maylaysia	PNN	Closed		
Sandakan, Maylaysia	SDKM		5.8833N	118.0667E
Sibu, Maylasia	SBUM		2.2500N	111.9833E
Tawau, Maylaysia	TSM		4.2936S	117.8725E

**Mexico**

Mexico	BVTM		18.8933N	93.4880W
Mexico	IIG			
Mexico	LJS		17.9930N	90.04880W
Mexico	LVO			
Mexico	OMG			
Mexico	PAY		17.4717N	93.4913W
Mexico	VGP		17.3572N	93.6140W
Mexico	ZEM		18.7926N	102.1116W
El Abra, Mexico	ABR		19.8070N	96.5340W
Acapulco, Mexico	ACX		16.8694N	99.8583W
Acatlan, Mexico	ACP		18.2078N	98.0597W
Aguascalientes, Mexico	AGX		21.8787N	102.3010W
Altzomoni, Mexico	IIA		19.1495N	98.6583W

Andrade, Baja California, Mexico	LMX		32.0631N	114.5737W
Angeles, Baja California, Mexico				
Arroyo Blanco, Baja California, Mexico	ABVM			
Ayaqueme, Mexico	AAYVM		19.1678N	98.9542W
Bahia de los Angeles, Mexico	LAX	Closed	28.9467N	113.5667W
Buenavista, Mexico	BUE		19.4380N	96.5590W
Caborca, Mexico	CBS	Closed	30.7283N	112.1600W
Caleta de Campos, Mexico	CCMX		18.0533N	102.7500W
El Cayaco, Guerrero, Mexico	CAIG		17.0478N	100.2673W
Cerrillo, Mexico	CRX		19.4064N	99.6800W
Cerro Bola, Baja California, Mexico	CBX		32.3137N	116.6630W
Cerro Ecantado, Mexico	CEO		16.2333N	97.0183W
Cerro Gordo, Mexico	CGVM		19.7500N	98.8293W
Cerro Prieto, Baja California, Mexico	CPBX		32.4177N	115.3040W

Chamela, Mexico	CJM	19.4990N	105.0432W
Chiautla de Tapia, Mexico	CHPM	18.2986N	98.6132W
Chiapas Mexico	ARL	17.4120N	93.1180W
Chiapas Mexico	BJU	16.8768N	93.1791W
Chiapa del Corzo, Chiapas, Mexico	CZC	16.7120N	93.0200W
Chiapas, Mexico	ARL	17.4120N	93.1180W
Chiapas, Mexico	PAY	17.4717N	93.4913W
Chiapas, Mexico	BJU	16.8768N	93.1791W
Chiapas, Mexico	LIBM	17.2940N	93.0120W
Chiapas, Mexico	PENM	17.4360N	93.5280W
Chiapas, Mexico	TANM	16.9190N	93.1150W
Chiapas, Mexico	MARM	17.2180N	92.6930W
Chiapas, Mexico	SIPM	17.2230N	93.1570W
Chiapas, Mexico	UJZ	15.0750N	92.0833W
Chiapas, Mexico	VGP	17.3572N	93.6140W
Chiapas, Mexico	ZZA	15.1333N	92.3167W
Chicoasen, Chiapas, Mexico	CSN	16.9689N	93.1081W
Chichinautzin, Mexico	CHVM	19.0873N	99.1473W
El Chinero, Baja California, Mexico	ECBX	31.4720N	115.0512W
Chihuahua, Mexico	CUU		

	CHH		28.6367N	106.0783W
	CHIG		18.0150N	102.4050W
	CBZM		18.0150N	102.4050W
Ciudad Altamirano, Michoacan, Mexico	CDAM		18.3500N	100.6500W
Ciudad Guzman, Mexico	CGX		19.7028N	103.4617W
Ciudad Serdan, Mexico	IISM		18.9880N	97.3768W
Colima, Mexico	COLM		19.1808N	103.6910W
Colonia Cuauhtemoc, Matias Romero, Mexico	CMIG		17.0910N	94.8840W
Colonia del Valle, Mexico	CVM		19.3821N	99.1785W
Comitan, Chiapas, Mexico	COM		16.2533N	92.1281W
	COM2		16.2417n	92.1372W
Culiacan, Mexico	CUL	Closed	24.8080N	107.3160W
Cuyoaco, Mexico	CUPM		19.6036N	97.6186W
Demacu, Mexico	DEIG		20.3000N	99.0400W
Dos Bocas, Mexico	DBVM			
Ensenada, Baja California, Mexico	ECX		31.8690N	116.6605W
Ensenada,				

Mexico	ENS			
	ENX		31.8828N	116.6645W
Estacion Juarez, Mexico	EJC		17.6044N	93.1956W
Florida, Mexico	FLOM		17.2255N	100.3887W
El Golfo de Santa Clara, Mexico	EGM	Closed	31.6783N	114.4917W
	EGX		31.7102N	114.4778W
Guadalajara, Mexico	GUM		20.6794N	103.3247W
2,	GUM2		20.6667N	103.3000W
Guaymas, Mexico	GYM	Closed	27.9100N	110.9517W
Huatulco, Mexico	HUOM		15.7700N	96.1000W
	HUIG		15.7684N	96.1082W
Iquala-Cerro de Tuxpan	III		18.3760N	99.4680W
Instituto de Inginieria, UNAM, Mexico	IIM		19.3260N	99.1820W
Isla Guadeloupe, Mexico	IGM		28.8842N	118.2917W
Izhuatan, Mexico	IHC			
Islas Marias, Mexico	IMM		21.6200N	106.5800W
Isla Socorro, Mexico	SRR		18.7254N	110.9524W
Ixhuatan, Mexico	IHC		17.2906N	93.0083W
Ixtacomitan,	IXC		17.4272N	93.1008W



Mexico

Ixtapalapa, Mexico	IXT	Closed	19.4000N	99.1000W
Jardin, Mexico	JDN		17.1650N	92.5000W
Jilotepec, Mexico	JIL		19.6307N	96.9333W
Jocotitlan, Mexico	IIJ		19.7340N	99.7340W
	JCM		19.3342N	99.7611W
Laguna Verde, Mexico	LVVM		19.7380N	96.4488W
	LVIG		19.7230N	96.4170W
Las Lajas, Mexico	LJX		19.5383N	97.1492W
	LIBM		17.2940N	93.0120W
	MARM		17.2180N	92.6930W
Lazaro Cardenas, Mexico	LAZM		18.0360N	102.2050W
Leon, Mexico	LNM		21.1167N	101.6675W
Leon Cerro Gordo, Mexico	LCG		21.1450N	101.7250W
Leon, Mexico	LNM		21.1667N	101.6675W
Loei, Mexico	LOE		17.2422N	101.4347W
Manzanillo, Mexico	MNZ		19.0542N	104.3306W
El Mayor, Baja California, Mexico	EMX		31.9883N	115.2423W
Mazatlan, Mexico	MAZ		23.1881N	106.4061W
	MZX		23.2008N	106.4253W
	MAIG		23.1883N	106.4244W
Merida, Mexico	MER		20.9475N	89.6164W

La Mesa de Andrade, Mexico	LMX	32.1087N	114.9605W
Mexico City, Mexico	UNM	32.0	35.W
	MEX	19.3289N	99.1861W
Mezontepec, Mexico	IIZ	19.1875N	98.2413W
Michoacan, Mexico	ZEM	18.7926N	102.1116W
Molcaxac, Mexico	MOPM	18.7333N	97.9167W
Monterrey, Mexico	TMM	25.7505N	100.2029W
2,	TMM2	25.6992N	100.2663W
Morelia, Mexico	MRX	19.7045N	101.1917W
	MOIG	19.6779N	101.1889W
Nuxco, Mexico	NUXM	17.2108N	100.7547W
Oaxaca, Mexico	AZO	15.9660N	97.4080W
Oaxaca, Mexico	GUO	16.0987N	97.0610W
Oaxaca, Mexico	LAGM	16.1042N	97.0778W
Oaxaca, Mexico	LLJ	16.5642N	98.8847W
Oaxaca, Mexico	PXO	15.7478N	96.3030W
Oaxaca, Mexico	OAX	17.0203N	96.7628W
Oaxaca, Mexico	OXX	17.0817N	96.7233W
Oaxaca, Mexico	YOO	17.7500N	97.8250W
Ocozocuautla, Mexico	OZC	16.7850N	93.3730W
Organos, Mexico	IIO	19.5920N	98.7240W

Ostuacan, Mexico	OSCM		17.4056N	93.3347W
Ostula, Michoacan, Mexico	OSM		18.4972N	103.4719W
Oxtotitlan, Mexico	IXM	Closed	19.2972N	99.6683W
Palmasola, Mexico	PSM		16.7048N	95.0410W
Papanoa, Mexico	PPNM		17.3005N	101.0378W
El Papayo, Mexico	PPOM		17.0200N	100.2400W
Pasuquin, Mexico	PIP		18.3257N	120.6188W
La Paz, Baja California, Mexico	LAP	Closed	24.1600N	110.2800W
	LPIG		24.1020N	110.3080W
Pico Tres Padres, Mexico	PTVM		19.5930N	99.1130W
El Pino, Mexico	IIP		19.3467N	98.9170W
	PNVM		19.3470N	98.9180W
Penon de Los Banos, Mexico	PBVM		19.4412N	99.0843W
Pinotepa Nacional, Mexico	PIO		16.3947N	98.1270W
	PNIG		16.3923N	98.1271W
Platanillo, Mexico	PLIG		18.3923N	19.5023W
Pochutla, Mexico	PLO		15.7402N	96.4583W
Popocatepetl, Mexico	PPM		19.0667N	98.6267W

El Porvenir, Mexico	PORM		17.1790N	93.3950W
Portrero Grande, Mexico	POGM		17.3752N	100.6213W
Poza Rica, Mexico	PZX	Closed	20.5389N	97.4592W
Presa El Caracol 1, Guerrero, Mexico	CC1		17.9400N	100.0100W
	2,CC2		17.9930N	100.1010W
	3,CC3		18.9885N	99.9847W
	4,CC4		18.0200N	99.9000W
	5,CC5		17.5400N	99.2780W
Presa Benito Juarez, Mexico	PBJ		16.4367N	95.4067W
Presa Chicoasen, Mexico	1, CR1		17.0453N	93.1152W
	2, CR2		16.8850N	92.9580W
	3, CR3		16.8143N	92.9547W
	4, CR4		16.7172N	93.0748W
	5, CR5		16.8168N	93.1188W
	6, CR6		16.9582N	93.2260W
	7, CR7		17.2330N	93.1700W
Presa del Infiernillo, Mexico	PIM		18.2750N	101.8817W
Presa Madin, Mexico	MDVM		19.5365N	99.2490W
Presa Malpaso, Mexico	PMM		17.1700N	93.6028W
Presa Penitas Mexico				
No. 1	PN1		17.4690N	93.4880W

No. 2	PN2		17.4380N	93.4505W
No. 3	PN3		17.3540N	93.6080W
No. 4	PN4		17.1790N	93.3950W
Puebla, Mexico	PUE		19.0417N	98.1967W
	PUEM			
Puerto Armuelles, Mexico	ARM		8.1659.4N	82.5159.4W
Puerto del Eden, Mexico	PDEM		17.4632N	100.7410W
Puerto Escondido, Mexico	PEO		15.8512N	97.0555W
	PEX		15.8620N	97.0612W
Puerto del Gallo, Mexico	PGOM		17.4720N	100.1803W
Puerto Galera, Mexico	PGP		13.5020N	120.9528W
Puebla, Mexico	IIO		19.3531.2N	98.4326.4W
	CIPM		17.9620N	97.8540W
	CXP		18.2754N	97.1418W
Punta Banda, Baja California, Mexico	PBX		31.7420N	116.7255W
Queretaro, Mexico	QUIG		20.7000N	100.2800W
Rio Hardy, Baja California, Mexico	RHM	Closed	32.1422N	115.2861W
Rancho Dowling, Baja California, Mexico	RDX		31.9323N	115.9475W

Rancho San Jose, Baja California, Mexico	RSJ		30.9733N	115.7450W
Rio Frio, Mexico	RFVM		19.3332N	98.7617W
Salazar, Mexico	SZVM		19.3230N	99.3810W
San Bernadino, Mexico	IIB		18.9640N	98.3447W
San Cristobal de las Casas, Mexico	SCX		16.7358N	92.6345W
	SCIG			
	SCX		16.7358N	92.6345W
San Felipe, Baja California, Mexico	SFP	Closed	31.0317N	114.8300W
San Jeronimo, Mexico	SJRM		17.1380N	100.4730W
San Joaquin, Baja California, Mexico	SJX		31.7268N	115.9587W
San Luis, Baja California, Mexico	SLU		32.3006.1N	114.4638.3W
San Marcos, Mexico	SMAM		16.7855N	99.3892W
San Miguel Ometusco, Mexico	SMMM		19.7398N	98.7405W
San Miguel, Baja California, Mexico	SMX		31.6880N	115.9037W
Santa Fe, Mexico	SFJM		20.4865N	103.0395W
Santa Rita	IIC		19.7670N	99.2580W

Coyotepec, Mexico				
Santa Rosa, Mexico	SRP		18.8967N	97.7800W
Santa Rosalia, Mexico	SRL	Closed	27.3288N	112.2756W
Simojovel, Mexico	SMJM		17.1340N	92.7150W
	SIPM			
San Pedro Martir, Baja California, Mexico	SPX		31.0450N	115.4650W
Tacubaya, Mexico	TAC		19.4050N	99.1936W
Tampico, Mexico	TMX		22.2550N	97.8506W
Tapachula, Mexico	TAIG			
	TLA		15.0189N	92.2000W
	TPX		14.9050N	92.2611W
Tecamachalco, Mexico	TCPM		18.8900N	97.6894W
	TANM		16.9190N	93.1150W
Technologico de Monterey, Mexico	TMM		25.7505N	100.2029W
	TMM2		25.6992N	100.2663W
Tecpatan, Mexico	TCX		17.1330N	93.2950W
Teotitlan, Mexico	TEO		18.1382N	97.0752W
Tepeneme, Mexico	TMIG			
Tepich, Mexico	TEIG		20.2263N	88.2764W

Tequila, Mexico	TJIG		
Tetitlan, Mexico	TETM	17.1617N	100.6305W
Tepoztlan, Mexico	TPM	18.9833N	99.0617W
Tlapa, Mexico	TPG	17.5607N	98.5555W
Tlaxiaco, Mexico	TXO	17.2817N	97.6817W
Tonantzintla, Mexico	IIT	19.0210N	98.3080W
Topolobaimpo, Mexico	TBP	25.5967N	109.0533W
Totontepec, Mexico			
Tres Cuevas, Mexico	TTX	29.3164N	103.7181W
Tulancingo, Mexico	TLX	20.0375N	98.4361W
Tuzandepetl, Mexico	TUVM	18.0330N	94.4227W
La Union, Mexico	UON	17.9700N	101.8150W
Union Juarez, Mexico	MUX	15.0790N	92.0740W
Universidad de Guanajuato, Mexico	UGO	21.0170N	101.2555W
Universidad de Mexico, Mexico	UNAM		
	UNM	19.3290N	99.1780W
Valdeflores, Mexico	VDF	16.7610N	96.8220W
Veracruz,	MANM	19.5900N	96.4167W



Mexico

Vera Cruz, Mexico	LIMM		19.6803N	96.5281W
Vera Cruz, Mexico	LVMM		19.6014N	96.3955W
El Abra,	ABR		19.8070N	96.5340W
Arroyo Blanco,	ABVM			
	VEX	Closed	32.3612N	115.9230W
	MANM		19.5900N	96.4167W
	CGG		16.6750N	98.4575W
	CAMM		19.5880N	96.4600W
	FARM		19.6260N	96.3930W
	LVMM		19.6014N	96.3955W
	VCM		19.2006N	96.1378W
Veracruz, Mexico	VCM		19.2006N	96.1378W
	VEX	Closed	32.3612N	115.1053W
El Vigia, Oaxaca, Mexico	EVV		18.4565N	95.3493W
Villa de Garcia, Mexico	VNM		25.8433N	100.5942W
Villa Grajales, Mexico	VGM	Closed	19.2500N	97.7833W
Villa Marinero, Mexico	VMO		5.8512N	97.0638W
La Villita, Mexico	LVGX		18.0450N	102.1750W
	LLJ		16.5642N	98.8847W
Vista Hermosa, Mexico	VHM	Closed	17.1767N	96.7453W

	VHO	17.0723N	96.7332W
Yautepec, Mexico	YAIG	18.8620N	98.3080W
Zacaltic, Chiapas, Mexico	ZAC	17.2500N	92.7610W
Zacatecas, Mexico	ZACM		
	ZAIG	22.7690N	102.5670W
Zihuatanejo, Mexico	ZIH	17.6100N	101.4620W
	ZHGX	17.6083N	101.4650W
	ZIIG	17.6067N	101.4650W
	ZIHM	17.3625N	101.2754W
	ZHGX	17.6083N	101.4650W
	ZIIG	17.6067N	101.4650W
	ZZA	15.1333N	92.3167W

## Micronesia

Pohnpei, Micronesia	PATS	17.0000N	158.8556W
Truk, Micronesia	TRU	7.4458N	151.8556W

## Moldova

Cahul, Moldova	KGL	45.9050N	28.2010E
Chishinau, Moldova	KIS	46.9980N	28.8180E

## Monaco

Monaco	MON	43.7306N	7.4258E
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## Mongolia

Bayan-Olgiy, Mongolia	BVO	48.9600N	89.9600E
Bulgan, Mongolia	BLGM	48.8100N	103.5100E
Dalandzadgad, Mongolia	DZD	43.5700N	104.4100E
Esen Bulak, Mongolia	EBM	46.4000N	96.2500E
Hatgal, Mongolia	HTG	50.4900N	100.1500E
Hovd, Mongolia	HOV	48.0100N	91.6500E
Tsetserleg, Mongolia	TTS	47.4800N	101.4400E
Tosontsengel, Mongolia	TOS	48.7500N	106.9500E
Ulaangom, Mongolia	ULG	49.9600N	92.0600E
Ulan Bator, Mongolia	OBM	47.9167N	106.9000E
	ULN	47.8652N	107.0528E

## Montenegro

Budva, Montenegro	BDV	42.2834N	18.8279E
Braatogos, Montenegro	BRY	42.9007N	18.5439E
Herceg Novi, Montenegro	HCY	42.4475N	18.4984E
Berane, Montenegro	IVA	42.8718N	19.8981E

Niksic, Montenegro	NKY	42.8129N	18.9982E
Plav, Montenegro	PVY	42.5950N	19.9735E
Pljevlja, Montenegro	PLE	43.3299N	19.3942E
Podgorica, Montenegro	TTG	42.4297N	19.2608E
Ulcinj, Montenegro	ULC	41.9634N	19.2497E

### **Montserrat**

Bethel, Montserrat	MBET	16.7414N	62.1631W
Grove, Montserrat	MWF	16.7130N	62.2220W
Jackboy Hill, Montserrat	MJHT	16.7672N	62.1698W
Long Ground, Montserrat	MLGT	16.7250N	62.1623W
Montserrat Volcano Observatory, Montserrat	MVOV	16.7465N	62.2283W
Saint George's Hill, Montserrat	MGH	16.7200N	62.2160W

### **Morocco**

Morocco	ZAI	34.8030N	2.7460W
Morocco	TNF	32.5300N	5.3190W
Morocco	TGT	34.0700N	5.0550W

Morocco	TZK	34.0890N	4.1840W
Morocco	TCZ	34.6570N	1.9010W
Morocco	TOU	34.9620N	3.7540W
Ait Ouarda, Morocco	AIT	32.1100N	6.5110W
Addakhil Dam, Morocco			
Aouinet Torkoz, Morocco	ANTZ	28.4747N	9.8547W
Aoulauz, Morocco	ALZ	30.6960N	8.1410W
Averroes, Morocco	AVE	33.2981N	7.4113W
Barrage Abdel Moumen, Morocco	BAM	30.6660N	9.1660E
Barrage el Makhazine, Morocco	BMK	34.9410N	5.8430W
Barrage Ibn Battouta, Morocco	BBT	35.6428N	5.7344E
	BIT	35.6480N	5.2290W
Barrage Idris Premier, Morocco	IDR	34.1660N	4.7500W
Barrage Mansour Eddahbi, Morocco	BME	30.9156N	6.7603W
Barrage Mohammed Ben Abdellah, Morocco	BMB	33.9422N	6.7511W
Beni Massoud, Morocco	BMD	35.7803N	5.6997W
Bouiaaouane,	BOJ	32.0310N	9.0680W

Morocco

Boulbra, Morocco	BBA		31.9120N	9.4710W
Cap Spartel, Morocco	CPS		35.7910N	5.9100W
Centre National Recherche, Morocco	CNRM			
Chichaoua, Morocco	CIA		31.5560N	8.7590W
Col de Zad, Morocco	CAD	Closed	33.0330N	5.0430W
Dar Kharkhour, Morocco	DKH		35.4880N	5.3608W
Fourare, Morocco	FOE		31.9880N	9.2610W
	ERR		32.3800N	6.3230W
Halim, Morocco	HALM		31.7680N	9.4700W
Barrage Hassan Addakhil, Morocco	HAD		31.9950N	4.4550W
Ifrane, Morocco	IFR		33.5166N	5.1272W
Imi Mikki, Morocco	IMK		30.5239N	9.6517W
Jbel Ezeft, Morrocco	JEZ			
Jbel Lahdid, Morocco	JHA		31.7360N	9.4540W
Jbel Ouklim, Morocco	JOK		31.4060N	5.5650W
Khenifra, Morocco	KHF		33.9830N	5.7070W

Krabesse, Morocco	KRAM		31.7030N	9.3400W
Ksar Es Souk, Morocco	KES	Closed	31.9950N	4.4550W
El Ksiba Morocco	KIB		32.5760N	6.0390W
Laroussi, Morocco	LRO		31.8370N	9.1500E
Midelt, Morocco	MDT		32.8170N	4.6140E
Mishlifén, Morocco	MIF		33.4090N	5.2290W
Nakhla, Morocco	NKM		35.4481N	5.4100W
Od Kalfella, Morocco	OKL		32.2030N	9.1390W
Oukaimedene, Morocco	OUK		31.2090N	7.8680W
Rabat Centre, Morocco	RTC		33.9667N	6.8333W
Rabat, Morocco	RBA		34.0089N	6.8406W
Rabat Zaers, Morocco	RBZ	Closed	33.9292N	6.8400W
Er Rachidia, Morocco	ZFT		32.03404N	4.3520W
Sar-Sar, Morocco	RSA		34.9900N	5.8580W
Smimou, Morocco	SOIM		31.1690N	9.6170W
Smir, Morocco	SIRM			
Taforalt, Morocco	TAF		34.8142N	2.4142W
Taghat,	TGT		34.0700N	5.0550W

## Morocco

Tazeka, Morocco	TZK	34.0890N	4.1840W
Tazercounte, Morocco	TZC	32.1480N	6.4870W
Tiouine, Morocco	TIO	30.9267N	7.2617W
Tissa, Morocco	TIS	31.8920N	6.5540W
Tnine Sidi el Yamani, Morocco	TSY	35.3728N	5.9700W
Tounfite, Morocco	TFT	32.0580N	5.2670W
Touzarine, Morocco	TOU	34.9620N	3.7540W
Youssef Ben Tachfine, Morocco	YBT	29.8456N	9.4983W
Zaio, Morocco	ZAI	34.8030N	2.7460W
Zerhoun, Morocco	ZER	34.0190N	5.4700W

## Mozambique

Changalane, Mozambique	CNG	26.2917N	32.1883E
Chigubo, Mozambique	CGB		
Maputo, Mozambique	LMM MPO	25.9683S	32.5950E
Nampula, Mozambique	NPA	15.0875S	39.2533E
Songo, Mozambique	SONG	15.6033S	32.7783E



Tete, Mozambique	TET	16.1467S	33.5768E
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## Myanmar

Mandalay, Myanmar	MND	22.0157N	96.1148E
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Rangoon, Myanmar	RAN	16.8667N	96.1833E
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## Namibia

Tsumeb, Namibia	TSUM	19.2022S	17.5838E
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Windhoek, Namibia	WIN	22.5667S	17.1000E
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## Nepal

Bayana, Nepal	BAYN	29.4700N	81.2000E
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Chatra, Nepal	CHA	26.8333N	87.1667E
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Daman, Nepal	DMN	27.6090N	85.1060E
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Dangsing, Nepal	DANN	28.3500N	83.7600E
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Everest, Nepal	EVN	27.9568N	86.8167E
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Ganjari, Nepal	GJRN	29.4800N	80.7400E
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Ghanteswor, Nepal	GHAN	29.1800N	80.6300E
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Gorkha, Nepal	GKN	28.0030N	84.6370E
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Gumba, Nepal	GUN	27.9106N	85.8794E
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Harre, Nepal	HARN	28.4200N	81.6700E
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Jiri, Nepal	JIRN	27.6600N	86.1900E
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Kakani, Nepal	KKN	27.7900N	85.2900E
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Koldanda, Nepal	KOLN		27.7700N	83.6000E
Megha, Nepal	MEGN		28.7100N	82.3400E
Odare, Nepal	ODAN		26.8600N	87.3900E
Phulchoki, Nepal	PKI		27.5710N	85.4090E
Piuthan, Nepal	PYUN		28.1000N	82.9900E
Ramite, Nepal	RAMN		26.5700N	86.3600E
Taplejung, Nepal	TAPN		27.3500N	87.7100E

## Netherlands

De Bilt, Netherlands	DBN		52.1017N	5.1767E
Elp, Netherlands	ENV		52.8953N	6.6338E
Eenrum, Netherlands	ENM		53.4076N	6.4823E
Epen, Netherlands	ENN		50.7672N	5.9233E
Finsterwolde, Netherlands	FSW		53.2146N	7.1204E
Haulerwijk, Netherlands	HWF		53.0718N	6.3516E
Heerlen, Netherlands	HEE	Closed	50.8850N	5.9817E
Heimansgroeve, Netherlands	HGN		50.7640N	5.9317E
Oterleek, Netherlands	OTL		52.6299N	4.8266E
Philisteinsche Polder,	PPB		52.6533N	4.6701E

Netherlands

Ravensbos, The Netherlands	RSB	Closed	50.8883N	5.8325E
Utrecht, Netherlands	NE05		52.0880N	5.1720E
Valkenburg, Netherlands	NE15		50.8670N	5.7850E
Venebrugge, Netherlands	VBG		52.5447N	6.6704E
Vlagtwedde, Netherlands	VLW		52.9694N	7.0982E
Warmenhuizen, Netherlands	WMH		52.7108N	4.7498E
Winterswijk, Netherlands	WTS		51.9956N	6.8100E
	WTSB		51.9663N	6.7989E
Witteveen, Netherlands	WIT		52.8133N	6.6683E
	NE04		52.8133N	6.6683E
Woudbloem, Netherlands	WDB		53.2090N	6.7349E
Zuidlaarderveen Netherlands	ZLV		53.0931N	6.7500E
Government School, Netherlands Antilles	SABS		17.6026N	63.2430W
Saba, Netherlands Antilles	SBN		17.6370N	63.2350W
Sint Maarten, Netherlands Antilles	MRN	Closed	18.0120N	63.0600W
Sint Eustatius Netherlands Antilles	STAT		17.4950N	62.9787W

## New Zealand

Alexandra, New Zealand	AXZ		45.2672S	169.3311E
Arapuni, New Zealand	ARA	Closed	38.0833S	175.6500N
Auckland, New Zealand	AUC		36.8600S	174.7781E
Baring Head, New Zealand	BHW		41.4092S	174.8714E
Berwen Station, New Zealand	BWZ		44.5317S	169.3831E
Big Hill, New Zealand	BLW		41.3686S	175.4744E
Birch Farm, New Zealand	BFZ		40.6817S	176.2460E
Black Birch, New Zealand	BBW		41.7125S	173.8783E
Borland Lodge, New Zealand	BRZ	Closed	45.7792S	167.5386E
Braida Crags, New Zealand	BCZ		46.0067S	167.8397W
Bunny Thorpe, New Zealand	BUN	Closed	40.2833S	175.6350E
Bush Stream, New Zealand	BSP	Closed	43.8706S	170.1042E
Bushy Park, New Zealand	BSZ		39.7987S	174.9312E
Cairnmuir Mts., New Zealand	CMCZ	Closed	45.1492S	169.2750E
Campbell Island, New Zealand	CBZ	Closed	52.5508S	169.1592W

Cannon Point, New Zealand	CAW		41.1089S	175.0678E
Cape Campbell, New Zealand	CCW		41.7508S	174.2169E
Cape Reinga, New Zealand	CRZ	Closed	34.4319S	172.6797E
Cashmere, New Zealand	CMZ	Closed	43.5861S	172.6396E
Castle Point, New Zealand	CAZ	Closed	40.9042S	176.2261E
Chateau, New Zealand	CNZ		39.2000S	175.5475E
Chatham Islands, New Zealand	CIZ		43.9550S	176.5656E
Christ Church, New Zealand	CHR		43.5328S	172.6267E
Clyde, New Zealand	CYZ		45.1458S	169.3294E
Cobb Dam, New Zealand	CDZ		41.0955S	172.7130E
Cobb River, New Zealand	COB	Closed	41.0878S	172.7339E
Dawson Falls, New Zealand	DFE		39.3275S	174.1036E
Dannevirke, New Zealand	DNN		40.2167S	176.1167E
Deep Cove, New Zealand	DCZ		45.4783S	167.1542W
Denniston, New Zealand	DNS	Closed	41,7381S	171.7964E
Denniston North, New Zealand	DSZ		41.7469S	171.8025E

Diadem, New Zealand	DMP	Closed	44.4142S	169.8272E
Dome Shelter, New Zealand	DRZ		39.2764S	175.5636E
Dunedin, New Zealand	DNZ		45.8664S	170.5150E
Dunedin- Penfold, New Zealand	DND	Closed	45.8833S	170.5317E
D=Urville Is., New Zealand	DIW		40.8022S	173.8219E
East Cape, New Zealand	ECZ	Closed	37.6936S	178.5461E
Edge Cumbe, New Zealand	EDRZ		38.1076S	176.7381E
Erewhon, New Zealand	EWZ		43.5117S	170.8525E
Far West Tbar, New Zealand	FWVZ		39.2564S	175.5519E
Foul Wind, New Zealand	FLW	Closed	41.7522S	171.4997E
Gebbies Pass, New Zealand	GPE	Closed	43.6964S	172.6444E
Gisborne, New Zealand	GNZ	Closed	38.6442S	178.0225E
Glacier Shelter, New Zealand	GSZ	Closed	39.2778S	175.5872E
Gladstone Stream, New Zealand	GSP	Closed	44.1336S	170.0181E
Glenfield, New Zealand	GFW		41.4567S	173.8308E
Glenmuick, New Zealand	GLE	Closed	42.9000S	173.1500E

Great Barrier, New Zealand	GBZ	Closed	36.2178S	175.4811E
Greymouth, New Zealand	GRY	Closed	42.4167S	171.2167E
Haroharo, New Zealand	HARZ		38.0911S	176.5019E
Hastings, New Zealand	HAS	Closed	39.6333S	176.8833E
Havelock North, New Zealand	HNZ	Closed	39.6833S	176.8833E
Hicks Bay, New Zealand	HBZ		37.5992S	178.3014E
Hinamaiaia, New Zealand	HATZ		38.8922S	176.0919E
Hingarae, New Zealand	HITZ		38.7086S	175.7664E
Hogget Hill, New Zealand	HHP	Closed	44.3275S	170.3456E
Huka, New Zealand	HUTZ		38.6339S	176.0947E
Huxley Gorge, New Zealand	HGP	Closed	44.1025S	169.8442E
Kahutara, New Zealand	KHZ		42.4180S	173.5403E
Kaikoura, New Zealand	KKZ	Closed	42.4219S	173.6964E
Kaikoura West, New Zealand	KKY	Closed	42.4200S	173.6919E
Kaimata, New Zealand	KAI		42.5258S	171.4086E
Ketetahi, New Zealand	KETZ		39.1006S	175.6518E
Kaimata,	KAI	Closed	42.5258S	171.4086E

New Zealand

Kakaramea, New Zealand	KATZ		38.9764S	175.6946E
Kapiti Island, New Zealand	KIW		40.8639S	174.9117E
Karapiro, New Zealand	KRP	Closed	37.9250S	175.5375E
Karawanewa, New Zealand	KAVZ		39.0986S	175.6458E
Ketetahi, New Zealand	KETZ		39.1006N	175.6518E
Kiri Road, New Zealand	TKEZ		39.1956S	173.9872E
Kokohu, New Zealand	KNZ		39.0214S	177.6736E
Kuaotunu, New Zealand	KUZ		36.7471S	175.7199E
Lake Moeraki, New Zealand	LMZ		43.7183S	169.2703E
Lake Taylor, New Zealand	LTZ		42.7828S	172.2688E
Leaning Rock, New Zealand	LRCZ		45.0653S	169.3461E
Lilico Spur, New Zealand	LSCZ	Closed	45.1164S	169.3692E
Lichensteins Road, New Zealand	LIRZ		38.0050S	176.3842E
Mahia, New Zealand	MAHZ	Closed	39.1883S	177.8808E
Mahoenui, New Zealand	MOZ		38.5058S	174.8030E
Makara Radio,	MRW		41.2325S	174.7050E



New Zealand

Manawahe, New Zealand	MARZ		37.9867S	176.6744E
Mangahao, New Zealand	MNG		40.6186S	175.4819E
Mangatainoka River, New Zealand	MRZ		40.6625S	175.5792E
Marewa, New Zealand	MRH		39.4992S	176.8883E
Maumakai, New Zealand	MKAZ		37.1114S	175.1667E
Maungaku, New Zealand	MGZ		39.0019S	175.5389E
Mavora Lakes, New Zealand	MLZ		45.3481S	168.1728E
McQueen's Valley, New Zealand	MQZ		43.7078S	172.6522E
Milford Sound, New Zealand	MSZ		44.6733S	167.9275E
Mohaka, New Zealand	MOH	Closed	39.1325S	177.1478E
Moikau, New Zealand	MOW		41.4217S	174.2519E
Monowai, New Zealand	MNW	Closed	45.7803S	167.6186E
Motutapu, New Zealand	MTAZ		36.7881S	174.9100E
Moumaki, New Zealand	MKAZ		37.1114S	175.1667E
Mount Adams, New Zealand	AMW		41.3094S	175.7608E
Mount John, New Zealand	MJZ	Closed	43.9872S	170.4661E

New Zealand

Mount Horn, New Zealand	MHZ	Closed	45.0619S	169.2797E
Mount Mary, New Zealand	MMMP	Closed	44.1425S	170.2783E
Mount Michael, New Zealand	MMCZ	Closed	45.0036S	169.1313E
Mount Morrison, New Zealand	MTW		41.1594S	175.5019E
Mount Pukaki, New Zealand	MJP	Closed	43.9911S	170.4594E
Moutere Station, New Zealand	MSCZ	Closed	45.0931S	169.4117E
Napier, New Zealand	NPR	Closed	39.5000S	176.9167E
Newall Road, New Zealand	NWEZ		39.2750S	173.8667E
New Plymouth, New Zealand	NPZ	Closed	39.0667S	174.0733E
Ngariki Road, New Zealand	NRZ		39.3375S	173.9331E
Ngauruhoe, New Zealand	NGZ		39.1772S	175.6006E
North Egmont, New Zealand	NEZ		39.2719S	174.0956E
North Gisborne, New Zealand	NOZ		38.6180S	178.0367E
Oamaru, New Zealand	OMZ	Closed	45.0706S	170.9147E
Oban, New Zealand	OBZ		46.9050S	168.1153E
Oford, New Zealand	OTAZ		36.9511S	174.9247E

Oio, New Zealand	OIZ		39.0467S	175.3925E
Omahuta, New Zealand	OUZ		35.2214S	17.5961E
Onerahi, New Zealand	ONE	Closed	35.7758S	174.3625E
Orongorongo Tunnel, New Zealand	OTW		41.2775S	176.0042E
Otahua Downs, New Zealand	ODZ		45.0453S	170.6444E
Otara, New Zealand	OTAZ		36.9511S	174.9247E
Quartz Range, New Zealand	QRZ		40.8275S	172.5289E
	QHW		41.1507S	174.4126E
Paeroa, New Zealand	PATZ		38.3814S	176.2583E
Papamoa, New Zealand	PARZ		37.7335S	176.2900E
Panekirikiri, New Zealand	PAHZ		38.8592S	177.0542E
Pawanui, New Zealand	PWZ			
Pongaroa, New Zealand	PGZ	Closed	40.6188S	176.2737E
Pteora, New Zealand	POZ			
Pukeiti, New Zealand	PKE		39.3894S	174.0075E
Puketiti, New Zealand	PUZ		38.0733S	178.2572E
Puysegur Point, New Zealand	PPZ	Closed	46.1406S	166.6267E

Quartz Hill, New Zealand	QHW		41.2519S	174.6906E
Rainbow Mountain, New Zealand	RBV		38.3211S	176.3878E
Rainy Point, New Zealand	RAEZ		39.2883S	174.3933E
Rangipo, New Zealand	RGZ	Closed	39.1553S	175.8339E
Rangitukua, New Zealand	RATZ		38.8686S	175.7711E
Rata Peaks New Zealand	RPZ		43.7174S	171.0540E
Raul, Kermedec Island, New Zealand	RAO		29.2517S	177.9183E
Raurimu, New Zealand	RUZ	Closed	39.1269S	175.3378E
Rhoboro Hills, New Zealand	RHP	Closed	44.1008S	170.0839E
Roseneath, New Zealand	ROS	Closed	41.2833S	174.8000E
Roto-iti, New Zealand	RTY		41.8075S	172.8431E
Rotorua, New Zealand	ROT	Closed	38.1333S	176.2500E
Roxburgh, New Zealand	ROX	Closed	45.4758S	169.3203E
Seatoun, New Zealand	STN	Closed	41.3167S	174.8000E
Sonora Basin, New Zealand	SBCZ	Closed	45.0922S	169.3111E
South Karori, New Zealand	SNZO		41.3103S	174.7046E

Stewart Island, SIZ New Zealand			46.8750S	168.1331E
Stratford, New Zealand	STZ	Closed	39.3500S	174.2833E
Takaka, New Zealand	TAK	Closed	40.8500S	172.8000E
Tahuroa Road, New Zealand	TOZ		37.7308N	175.5019E
Taradale, New Zealand	TRZ		39.5533S	176.8214E
Taradale Trig, New Zealand	TTH		39.5413S	176.8262E
Tara Hills, New Zealand	THP	Closed	44.5450S	169.8881E
	TIZ			
Taraponui, New Zealand	TAHZ	Closed	39.1358S	176.7403E
Tarata, New Zealand	TNZ		39.1872S	174.3803E
Tarawera, New Zealand	TAZ		38.2331S	176.5078E
Te Atua, New Zealand	TEHZ	Closed	39.9894S	176.8111E
Tomahawk Gully, New Zealand	TMP		44.3150S	170.1200E
Tongariro, New Zealand	TON	Closed	39.2028S	175.5381E
Tophouse, New Zealand	THZ		41.7638S	172.9037E
Tory Channel, New Zealand	TCW		41.2133S	174.2758E
Trig B, New Zealand	TBC	Closed	45.1464S	169.3303E

Trig L, New Zealand	TLC	Closed	45.1913S	169.0713E
Tuai, New Zealand	TUA	Closed	38.8081S	177.1506E
Tuapeka, New Zealand	TUZ		45.9561S	169.6322E
Tuhingamata, New Zealand	TUTZ		38.7117S	175.9911E
Urewera, New Zealand	URZ		38.2603S	177.1103E
Utahina, New Zealand	UTU		38.1775S	176.1922E
Waiatarua, New Zealand	WTAZ		36.9342S	174.5739E
Waimangu, New Zealand	WGZ		38.2881S	176.3869E
Wainui Dam, New Zealand	WDW	Closed	41.2686S	174.9936E
Waipapa Point, New Zealand	WPZ	Closed	46.6603S	169.8497E
Waipu Caves, New Zealand	WCZ		35.9411S	174.3444E
Wairakei, New Zealand	WNZ	Closed	38.6314S	176.1028E
Wairara, New Zealand	WATZ		38.7097S	175.7329E
Wairiri, New Zealand	WAI	Closed	43.5000S	171.8667E
Waitaha Valley, New Zealand	WVZ		43.0764S	170.7361E
Wakarara, New Zealand	WAHZ		39.6992S	176.3553E
Wellington, New Zealand	WEL		41.2861S	174.7683E

Wether Hill Road, New Zealand	WHZ		45.8947S	167.9475E
Whakaroa, New Zealand	WHTZ		38.6678S	175.9574E
Whakatane, New Zealand	WTZ	Closed	37.9847S	176.9883E
Whakatau, New Zealand	WHH		38.8845S	176.4950E
Whitehall, New Zealand	WLZ		37.8411S	175.5878E
White Island, New Zealand	WIZ		37.5283S	177.1892E
Wrights Hill, New Zealand	WHW		41.2975S	174.7381E
Raoul, Kermadec Islands, New Zealand	RAO		29.1506S	177.5506W
Manihiki, Cook Islands, New Zealand	MNHK		10.4200S	161.0300W
Niue, Cook Islands, New Zealand	NUE		19.0764S	169.9281E
	NIUE			
Rarotonga, Cook Islands, New Zealand	RAR		21.1245S	159.4624W
Tongareva Island, Cook Islands, New Zealand	TG-IS	Closed	9.0336S	158.0208W

## Nicaragua

Acoyapa, Nicaragua	ACY		11.9977N	85.2252W
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Apoyeque, Nicaragua	APY		12.2277N	86.3528W
Asseradero, Nicaragua	ASE	Closed	12.4747N	87.1903W
Boaco, Nicaragua	BOA		12.4818N	85.7178W
Cerro de Hule, Nicaragua	HLH		13.8375N	87.2583W
Chonco, Nicaragua	CNR		12.6725N	87.0722W
Concepcion, Nicaragua	CONN		11.5642N	85.6257W
Cosiguina, Nicaragua	COS		12.9580N	87.5752W
Coyotepe, Nicaragua	CYN	Closed	11.9958N	86.0987W
Gruta Xavier, Nicaragua	XAVN		12.1487N	86.3263W
Jinotega, Nicaragua	JIG		13.2012N	85.7708W
Laguna de Tiscapa, Nicaragua	TISN		12.1425N	86.2693W
Limay, Nicaragua	LIY		13.1983N	86.5602W
Masachapa, Nicaragua	MCH		11.8747N	86.5287W
Medio Mundo, Nicargua	MMO		11.8942N	86.0150W
Miramar, Nicaragua	MIRN	Closed	12.4400N	86.7117W
Mocoron, Nicaragua	MOCN		12.7817N	87.0400W
Mombacho, Nicaragua	MOBN		11.8317N	85.7777W



Nicaragua				
Momotombo, Nicaragua	MOMJ MOMN		12.4083N	86.5400N
Moyogalpa, Nicaragua	MOYN		11.5357N	85.6958W
Las Nubes, Nicaragua	LNB		12.0328N	86.2532W
Ometepe, Nicaragua	OME		11.5377N	85.6837W
Playitas, Nicaragua	PYT		12.5282N	86.0647W
Poneloya, Nicaragua	PYN		12.3822N	87.0223W
Quiabu, Nicaragua	QUIN		13.2150N	86.4167W
Rota, Nicaragua	RTN		12.5333N	86.7832W
San Cristobal, Nicaragua	CRIN		12.7000N	87.0500W
San Juan del Sur, Nicaragua	SSN		11.3012N	85.8535W
San Marcos, Nicaragua	SMCN		11.9067N	86.2019W
Somoto, Nicaragua	SOMN		13.4203N	86.6138W
Telica 3, Nicaragua	TEL3		12.5722N	86.8448W
Telica, Nicaragua	TELN		12.6042N	86.8313W
Vera Cruz, Nicaragua	VER	Closed	12.0897N	86.1712W
Cerro Negro, Nicaragua	CNGN		12.5000N	86.6985W

## Nigeria

Zaria, Nigeria ZRN

## North Korea

Pyongyang PYO Closed 39.0333N 125.7500E  
(Heizo), North  
Korea

## Norway

Abisko, Norway ABK 68.2030N 18.4900E

Arcess, Norway  
Array Site A0, ARA0 69.5349N 25.5058E

A1, ARA1 69.5363N 25.5071E

A2, ARA2 69.5338N 25.5078E

A3, ARA3 69.5346N 25.5019E

B1, ARB1 69.5379N 25.5079E

B2, ARB2 69.5357N 25.5134E

B3, ARB3 69.5324N 25.5106E

B4, ARB4 69.5328N 25.4998E

B5, ARB5 69.5363N 25.4985E

C1, ARC1 69.5411N 25.5079E

C2, ARC2 69.5383N 25.5229E

C3, ARC3 69.5329N 25.5231E

C4, ARC4 69.5293N 25.5117E

C5, ARC5 69.5300N 25.4982E

C6, ARC6 69.5341N 25.4882E

	C7, ARC7	69.5396N	25.4936E
ARCESS Array Beam Point, Norway	ARCES	69.5349N	25.5058E
	D1, ARD1	69.5483N	25.5093E
	D2, ARD2	69.5452N	25.5308E
	D3, ARD3	69.5366N	25.5483E
	D4, ARD4	69.5271N	25.5362E
	D5, ARD5	69.5214N	25.5118E
	D6, ARD6	69.5227N	25.4900E
	D7, ARD7	69.5294N	25.4707E
	D8, ARD8	69.5384N	25.4686E
	D9, ARD9	69.5454N	25.4857E
	E0, ARE0	69.5348N	25.5057E
Askoy, Norway	ASK	60.4830N	5.1950E
Bergen, Norway	BER	60.3838N	5.3339E
Bjornoya, Norway	BJO	74.5055N	19.1883E
Blaasjo, Norway	BLS	59.3900N	6.4490E
	BLS1 Closed	59.3910N	6.8270E
	BLS2 Closed	59.2940N	6.9270E
	BLS3 Closed	59.4250N	6.5150E
	BLS5	59.4229N	6.4560E
Espregrend, Norway	EGD	60.2712N	5.2257E
Floro, Norway	FOO	61.5980N	5.0440E
Froya, Norway	FRO	61.7570N	4.8820E

Hoyanger, Norway	HYA		61.1660N	6.1870E
Karmoy, Norway	KMY		59.2120N	5.2470E
Jan Mayen Norway	JMI		70.9283N	8.7308W
	East, JNE		70.9900N	8.2970W
	West, JNW		71.0290N	8.4280W
Kongsberg, Norway	KON	Closed	59.0491N	9.5982E
	KONO		59.6491N	9.5982E
Kirkenes, Norway	KRK	Closed	69.7242N	30.0625E
Kautokeino, Norway	KTK1		69.0117N	22.2371E
	KTK2		69.0075N	23.2374E
	KTK3		69.0067N	23.2352E
	KTK4		69.0081N	23.2348E
	KTK5		69.0096N	23.2273E
	KTK6		69.0100N	23.2360E
Lillehammer, Norway	LHN	Closed	61.0492N	10.8800E
Lofoten, Norway	LOF		68.1310N	13.5420E
Moi Rana, Norway	MOR1	Closed	66.2374N	14.7721E
	MOR2	Closed	66.2366N	14.7741E
	MOR3		66.2357N	14.7724E
	MOR4	Closed	66.2367N	14.7668E
	MOR5		66.2377N	14.7664E
	MOR6	Closed	66.2370N	14.7670E

	MOR7 Closed	66.2850N	14.7350E
	MOR8	66.1713N	14.4411E
	MORA	66.2374N	14.7721E
Molde, Norway	MOL	62.5700N	7.5480E
Namsos, Norway	NSS	64.5300N	11.9670E
Oslo, Norway NORESS Array	NORES	60.7353N	11.5414E
Site A0	NRA0	60.7353N	11.5414E
Site A1	NRA1	60.73666	11.5423E
Site A2	NRA2	60.7343N	11.5434E
Site A3	NRA3	60.7350N	11.5387E
Site B1	NRB1	60.7381N	11.5426E
Site B2	NRB2	60.7355N	11.5475E
Site B3	NRB3	60.7326N	11.5440E
Site B4	NRB4	60.7333N	11.5372E
Site B5	NRB5	60.7367N	11.5364E
Site C1	NRC1	60.7414N	11.5434E
Site C2	NRC2	60.7383N	11.5526E
Site C3	NRC3	60.7331N	11.5533E
Site C4	NRC4	60.7294N	11.5452E
Site C5	NRC5	60.7301N	11.5341E
Site C6	NRC6	60.7348N	11.5287E
Site C7	NRC7	60.7402N	11.5331E
Site D1	NRD1	60.7486N	11.5449E
Site D2	NRD2	60.7444N	11.5616E

Site D3	NRD3	60.7359N	11.5689E
Site D4	NRD4	60.7271N	11.5633E
Site D5	NRD5	60.7222N	11.5475E
Site D6	NRD6	60.7233N	11.5288E
Site D7	NRD7	60.7302N	11.5162E
Site D8	NRD8	60.7390N	11.5168E
Site D9	NRD9	60.7466N	11.5266E
Site E0	NRE0	60.7353N	11.5414E

### Norway NORSAR Array

#### NORSAR Beam Reference Points

Site 01B00	NBO	61.0307N	10.7774E
Site 02B00	NB2	61.0397N	11.2147E
Site 03B00	NB3	Closed	60.9130N 11.2696E
Site 04B00	NB4	Closed	60.6738N 11.1881E
Site 05B00	NB5	Closed	60.6224N 10.8369W
Site 06B00	NB6	Closed	60.7300N 10.4589E
Site 07B00	NB7	Closed	60.9200N 10.4658E
Site 01C00	NCO	61.3371N	10.5856E
Site 10C00	N10	Closed	60.4695N 10.2999E
Site 11C00	N11	Closed	60.6171N 10.2497E
Site 12C00	N12	Closed	60.7729N 9.9845E
Vettahaugen, Norway	N1R1	66.2070N	13.7410E
Lillevik, Norway	N1R2	66.2820N	13.2330E
Nordsjona, Norway	N1R3	66.3370N	13.4060E

Lillevand, Norway	N1R4	66.4490N	13.8780E
Hammernes, Norway	N1R5	66.3870N	13.0330E
Dalselv, Norway	N1R6	66.2610N	13.9700E
Tytingvag, Norway	N2B1	66.9000N	13.0960E
Myklebust, Norway	N2B2	66.7210N	13.1780E
Lovikneset, Norway	N2B3	66.8250N	13.9530E
Drage, Norway	N2B4	66.1190N	13.2430E
Haus, Norway	N2B5	66.9220N	13.5850E
Leirgulen, Norway	N2B6	66.8460N	13.3060E
Tytingvag, Norway	N2B7	66.8990N	13.0940E
Beam Reference Pt.	NOA	60.8237N	10.8324E
Array Site	NAO	60.8237N	10.8324E
Site 01A00	NAO00	60.8327N	10.8324E
01A01	NAO01	60.8442N	10.8865E
01A02	NAO02	60.8057N	10.8971E
01A03	NAO03	60.7881N	10.8084E
01A04	NAO04	60.8105N	10.7625E
01A05	NAO05	60.8507N	10.8193E
Subarray IB Beam Reference Point, Norway	NBO	61.0307N	10.7777E
	NBO00	61.0307N	10.7777E

	NB001		61.0616N	10.7834E
	NB002		61.0492N	10.8569E
	NB003		61.0129N	10.8371E
	NB004		61.0119N	10.7524E
	NB005		61.0597N	10.7219E
NORSAR Sub- array 2B Beam Reference Point, Norway	NB2		63.0397N	11.2148E
Site 02B00	NB200		61.0397N	11.2148E
	02B01	NB201	61.0495N	11.2939E
	02B02	NB202	61.0069N	11.2778E
	02B03	NB203	61.0107N	11.1677E
	02B04	NB204	61.0497N	11.1581E
	02B05	NB205	61.0710N	11.1977E
	Site 13C00	N13 Closed	61.0498N	9.8861E
	Site 14C00	N14 Closed	61.1869N	10.2729E
Beam Reference				
Site 02C00	NC2		61.2807N	10.8354E
	02C01	NC201	61.2988N	10.9138E
	02C02	NC202	61.2545N	10.9110E
	02C03	NC203	61.2438N	10.8318E
	02C04	NC204	61.0119N	10.7629E
	02C05	NC205	61.3231N	10.7219E
Beam Reference				
Site 03C00	NC300		61.2617N	11.4141E
	Site 03C01	NC301	61.2762N	11.4905E
	Site 03C02	NC302	61.2328N	11.4726E



Site 03C03	NC303		61.2251N	11.3690E
Site 03C04	NC04		61.2784N	11.3320E
Site 03C05	NC05		61.2979N	11.4035E
Beam Reference				
Site 04C00	NC400		61.0791N	11.7189E
Site 04C01	NC401		61.0804N	11.7994E
Site 04C02	NC402		61.0446N	11.7573E
Site 04C03	NC403		61.0537N	11.6683E
Site 04C04	NC404		61.0982N	11.6456E
Site 04C05	NC405		61.1128N	11.7153E
Beam Reference	NC5		60.9468N	11.8004E
Point,				
Subarray	5C			
Subarray	6C	NC6	60.7473N	11.4584E
Site 06C00	NC600		60.7473N	11.4584E
Site 06C01	NC601		60.7746N	11.5416E
Site 06C02	NC602		60.7353N	11.5414E
Site 0603	NC603		60.7050N	11.4807E
Site 0604	NC604		60.7263N	11.3956E
Site 0605	NC605		60.7770N	11.4103E
Beam Reference Points				
Site 07C00	NC7	Closed	60.4553N	11.4988E
Site 08C00	NC8	Closed	60.4756N	11.0868E
Site 0900	NC9	Closed	60.4094N	10.6038E
Odda, Norway	ODD	Closed	59.9500N	6.6670E
	ODD1		59.9120N	6.3740E

Oseberg A Platform, Norway	OSG	60.4970N	2.8760E
Oslo, Norway	OO-NW Closed	61.0547N	10.8661E
Rognes, Norway	RGS	63.0210N	10.4350E
Rundemannen, Norway	RUND		
Sulen, Norway	SUE	61.0570N	4.7610E
Statfjord A Platform, Norway	STF	61.2560N	1.8170E
Tromso, Norway	TRO	69.6325N	18.9281E
Trondheim, Norway	TRON		
Spitzbergen Array, Norway			
Site A0	SPA0	78.1777N	16.3700E
Site A1	SPA1	78.1797N	16.3755E
Site A2	SPA2	78.1759N	16.3766E
Site A3	SPA3	78.1773N	16.3588E
Site B1	SPB1	78.1796N	16.3906E
Site B2	SPB2	78.1742N	16.3846E
Site B3	SPB3	78.1737N	16.3584E
Site B4	SPB4	78.1789N	16.3842E
Site B5	SPB5	78.1823N	16.3683E
Sptizbergen Array Beam Reference Pont, Norway	SPITS	78.1777N	16.3700E
Bjornoya, Spitzbergen, Norway	BJO	74.5055N	19.1883E

Hornsund, Spitzbergen, Norway	HSP		77.0106N	15.5725E
Ice Cap, Spitzbergen, Norway	IC-GL		77.9467N	39.1833E
Isfjord, Spitzbergen, Norway	ISF	Closed	78.0592N	13.6403E
Kingsbay, Spitzbergen, Norway	KBS		78.9175N	11.9239E
Edge Oya, Svalbard Norway	EO1		77.6583N	21.2167E

## Oman

Bisya, Oman	BSYO		22.7310N	57.2402E
Khatum, Oman	KTMO		23.4841N	57.6854E
Quairoon Hariti, Oman	QHRO		17.2528N	54.0854E
Wadi Sarin, Oman	WSAR			

## Pakistan

Ambar, Pakistan	AMP		34.0550N	72.4150E
Bagra, Pakistan	BGP		33.9742N	73.0682E
Bhuj, Pakistan	BHJ		23.1500N	69.4100E
Campbellpur, Pakistan	CBP		33.7325N	72.2302E
Chanarkot, Pakistan	CKP		34.0227N	73.2638E

Chapri, Pakistan	CPA		32.9805N	71.4235E
Cherat, Pakistan	CEP		33.8235N	71.9090E
Chirah Chowk, Pakistan	CHCP		33.6583N	73.2638E
Darband Pakistan	DBP		34.3760N	72.8710E
Drazinda, Pakistan	DRP		31.7440N	70.2028E
Karachi, Pakistan	KAR		24.9333N	67.1433E
Kiara Terrace, Pakistan	KIA		34.1133N	72.7133E
Kulyab, Pakistan	KUL		37.5400N	69.4500E
Lahore, Pakistan	LAH		31.5500N	74.3333E
Mangla, Pakistan	MNL		33.1472N	73.7500E
Nathian, Pakistan	NTP		34.3272N	72.3858E
Nilore, Pakistan	NIL		33.6500N	73.2517E
Pari Array Site 0,  Array Ref.Pt.PARI Pakistan	PAK0		33.6500N	73.2520E
Pinstech, Pakistan	PINS			
Peshawar, Pakistan	PES	Closed	34.0050N	71.5483E
	PSH		33.9371N	71.4341E

Qibla Bandi, Pakistan	QIB	33.9007N	72.5925E
Quetta, Pakistan	QUE QUPO	30.1883N	66.9500E
Right Bank House-Pihur, Pakistan	RBH	34.0705N	72.6705E
Saidpur, Pakistan	SAD	33.7422N	73.0623E
Sargodha, Pakistan	SARP	31.9215N	72.6718E
Shaik Budin, Pakistan	SBDP	32.2997N	70.8072E
Shinkiari, Pakistan	SIP	34.4667N	73.2992E
Swabi-Maira, Pakistan	SWR	34.1303N	72.8498E
Tarbela, Pakistan	TRB	34.0828N	72.7157E
Thammewali, Pakistan	THW	32.7943N	71.7427E
Warsak, Pakistan	WRS	34.1500N	71.4167E

## Palau

Koror, Palau	KOR	7.3350N	134.4850E
Palau, Palau	PALU	7.3300N	134.4800E
	PLA	7.3333N	134.4833E

## Panama

Altos de Campana,	ACH	8.6635N	79.9292W
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Panama

Balboa Heights, BHP Panama	Closed	8.9608N	79.5581W
Baru, Panama	BRU	8.8068N	82.5608W
Bayano, Panama	BYN	9.1910N	78.8750W
Cerro Jefe, Panama	JEF	8.7188N	79.3738W
Changuinola, Panama	CNI	9.4167N	82.5168W
Colon, Panama	ECO	9.3638N	79.6937W
2,	ECO2	9.3218N	79.6837W
David, Panama	DVD	8.4358N	82.4506W
Fort Sherman, Panama	FH-PM Closed	9.3631N	79.9583W
Fortuna, Panama	FTA	8.6815N	82.2647W
Ipeti, Panama	IPE	8.9772N	78.4933W
Lagarterita, Panama	LGT	9.0745N	79.9150W
Meteti, Panama	DAB		
Panama City, Panama	UPA	8.9815N	79.5340W
Peninsula de Azuerro, Panama	AZU	7.7917N	80.2740W
Puerto Armuelles, Panama	ARM ARM2	8.2832N 8.1000N	82.8665W 82.8667W
Universidad de Panama, Panama	UPA	8.9810N	79.5338W
Volcan, Panama	BRU2	8.7940N	82.6910W

## Papua New Guinea

Momote, Admiralty Is, Papua New Guinea	MOM		2.0417S	147.4017E
Mount Bagana, Bouganville Is, Papua New Guinea	BGA	Closed	6.1500S	155.1800E
Kobuan, Bouganville Is., Papua New Guinea	KOA	Closed	6.2241S	155.6190E
Nissan Island, Bouganville Is, Papua New Guinea	NIS		4.5300S	154.2833E
Panguna, Bouganville Is., Papua New Guinea	PAA		6.3006S	155.4912E
Piva, Bouganville Is., Papua New Guinea	PIV	Closed	6.2000S	155.0583E
Karker Island Papua New Guinea	KKI		4.5883S	145.9542E
Bialla, New Britain, Papua New Guinea	BIAL		5.3100N	151.0520E
Boisen, New Britain, Papua New Guinea	BOI		4.1116S	152.1158E
Cape Gloucester, New Britain, Papua New Guinea	CGA		5.4500S	148.4200E
Daw (Hoskins), Papua New Guinea	DAW	Closed	5.5500S	150.4667E

New Britain, Papua New Guinea					
Duke of York Island, New Britain, Papua New Guinea	DOY			4.2170S	152.3980E
Kabakon Island, New Britain, Papua New Guinea	EDY			4.2395S	152.3893E
Keravat, New Britain, Papua New Guinea	KET	Closed		4.3331S	152.0363E
	KRT			4.3529S	152.0517E
Kilenge Mission, New Britain, Papua New Guinea	KCM	Closed		5.4833S	148.3833E
Kimbe, New Britain, Papua New Guinea	KMB	Closed		5.4833S	150.1000E
Konogogo, New Britain, Papua New Guinea	EKN			3.4888S	152.1850E
Lambom Island, New Britain, Papua New Guinea	ELB			4.8038S	152.8300E
Langila, New Britain, Papua New Guinea	LAG			5.4556S	148.4333E
Matupit Island, New Britain, Papua New Guinea	MPT			4.2437S	152.1898E
	MIP			4.2433S	152.1900E
Mount Varzin, New Britain,	EVZ			4.3960S	152.1553E



Papua New Guinea

Mount Watom, New Britain, Papua New Guinea	EWT		4.1150S	152.0875E
Pomio, New Britain, Papua New Guinea	PNB	Closed	5.5250S	151.5083E
Rabalanakaia, New Britain, Papua New Guinea	RAL		4.2203S	152.2019E
Rabaul, New Britain, Papua New Guinea	RAB	Closed	4.1932S	152.1625E
	ERB		4.1927S	152.1630E
Raluana Point, New Britain, Papua New Guinea	RPT		4.2952S	152.2160E
Rapindik, New Britain, Papua New Guinea	RAP	Closed	4.2289S	152.1967E
Semalu, New Britain, Papua New Guinea	ESM		4.2770S	152.6863E
Semalu, New Britain, Papua New Guinea	ESM		4.2770S	152.6863E
Sulphur Creek, New Britain, Papua New Guinea	SUL	Closed	4.2194S	152.1926E
Talasea, New Britain, Papua New Guinea	TLS		5.3097S	150.0447E
Tanaka, New Britain, Papua New Guinea	TKA		4.3449S	152.1783E
Tavurvur, New Britain, Papua New Guinea	TAV		4.2312S	152.2203E

Tovanokuss, New Britain, Papua New Guinea	ETV		4.2062S	151.6677E
Ulamona, New Britain, Papua New Guinea	ULA	Closed	5.0064S	151.2556E
	ULO		5.0590S	151.3030E
Vulcan, New Britain, Papua New Guinea	VUL		4.2828S	152.1457E
Wanliss St., New Britain, Papua New Guinea	WAN		4.1943S	152.1757E
Watom Island				
Witu Island, New Britain, Papua New Guinea	WITU		4.6925S	149.4892E
Agenahambo, New Guinea, Papua New Guinea	AGE	Closed	8.8136S	149.0989E
Aitape, New Guinea, Papua New Guinea	AITP		3.1384S	142.3489E
Alotau, New Guinea, Papua New Guinea	ALOA		10.2983S	150.3769E
	ALOT	Closed	10.2960S	150.4640E
Bulolo, New Guinea, Papua New Guinea	BLLO	Closed	7.2020S	146.3367E
Daru, New Guinea, Papua New Guinea	DNG	Closed	9.0885S	143.2057E
Esa Ala, D'Entrecasteaux Island, Papua New Guinea	ESA		9.7384S	150.8141E
	ESB		9.6867S	150.9028E
Finschafen,	FINC		6.6167S	147.8569E

New Guinea,  
Papua New Guinea

Goroka, New Guinea, Papua New Guinea	GKA	Closed	6.0593S	145.3917E
	GRK	Closed	6.0756S	145.3953E
	GRK1	Closed	6.0700S	145.3942E
Kaiam, New Guinea, Papua New Guinea	DNG		7.1124S	143.9224E
	KIAM		7.1124S	143.9224E
Karkar Island, New Guinea, Papua New Guinea	KKI		4.5883S	145.9542E
Kerema, New Guinea, Papua New Guinea	KRG	Closed	7.9597S	145.7689E
Konedobu, Papua New Guinea	KDB		9.4717S	147.1598E
Kupiano, New Guinea, Papua New Guinea	KPN		10.0746S	148.1814E
	KUPN		10.0769S	148.1842E
Kuta, New Guinea, Papua New Guinea	KUTA		5.9200S	144.2233E
Lae, New Guinea, Papua New Guinea	LAE	Closed	6.6731S	146.9133E
	LAT		6.6651S	147.0016E
Lae-Mount Lunaman, New Guinea, Papua New Guinea	LML		6.7351S	147.0087E
Lake Wisdom, New Guinea, Papua New Guinea	LKW		5.3350S	147.0650E
Lamington, New Guinea, Papua New Guinea	LMG		8.9083S	148.1500E

Losuia, D'Entrecasteaux Island, New Guinea, Papua New Guinea	LOSU		8.5119S	151.0739E
Madang, New Guinea, Papua New Guinea	MAD	Closed	5.2501S	145.7802E
	MDG		5.2501S	145.7802E
Mendi, New Guinea, Papua New Guinea	MNDI		6.1550S	143.6580E
Mount Castle, New Guinea, Papua New Guinea	MCAS		6.3719S	143.4833E
Nadzab, New Guinea, Papua New Guinea	NADZ		6.5778S	146.7129E
Pindiu, New Guinea, Papua New Guinea	PDUI		6.4470S	147.5110E
Popondetta, NewGuinea, Papua New Guinea	POP	Closed	8.7344S	148.2494E
Port Moresby, New Guinea, Papua New Guinea	PMG		9.4062S	147.1589E
Purari, New Guinea, Papua New Guinea	PUR		6.9881S	145.0773E
Tabele, New Guinea, Papua New Guinea	TBL		4.1013S	145.0115E
Tabubil, New Guinea, Papua, New Guinea	OKTD		5.3484S	141.2917E
Tabubil,	TZZ		5.2681S	141.2211E

New Guinea,  
Papua New Guinea

Tapini, TPN Closed 8.3569S 146.9837E  
New Guinea,  
Papua New Guinea

Wabag, New WAB 5.4947S 143.7284E  
Guinea, Papua  
New Guinea

Waris, New WAA 4.1167S 145.1000E  
Guinea, Papua  
New Guinea

Wau, New WAU 7.3417S 146.7167E  
Guinea, Papua  
New Guinea

Wewak, New WEW 3.5544S 143.6258E  
Guinea, Papua  
New Guinea

WEK Closed 3.4236S 143.6875E

WWW Closed 3.5858S 143.6403E

Wewakk, New WWKK 3.6230S 143.6235E  
Guinea, Papua  
New Guinea

Woodlark WDIS 9.0850S 152.7189E  
Island,  
D'Entrecasteaux  
Island, New  
Guinea, Papua  
New Guinea

Yangoru, YAN 3.6583S 143.2917E  
New Guinea,  
Papua New Guinea

Yonkie, New YYYY 6.2413S 145.9688E  
Guinea, Papua  
New Guinea

Kavieng, New KVG 2.5878S 150.8120E  
Ireland, Papua  
New Guinea

KAV Closed` 2.5733S 150.8167E

Lihir Island, LHis 3.1170S 152.6330E

New Ireland,  
Papua New Guinea

Namatanai, New NAMA Ireland, Papua New Guinea	3.6653S	152.4416E
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## Paraguay

Villa Florida, CPUP Paraguay	26.3306S	57.3292W
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## Peru

Pelados	CHP1	4.6720S	80.4910W
Corcovado	CHP2	4.6160S	80.8130W
Chocan	CHP3	5.1800S	80.9620W
Algarobillo	CHP4	4.5020S	80.3600W
Huaypira	CHP5	4.6050S	80.5010W
Eten	CHP7	6.9450S	79.8650W
Chiclayo	CHP8	6.7650S	79.8650W
Morro Solar	PT01	12.0150S	77.0317W
Quilmana	PT02	12.9433N	76.4367W
Guadalupe	PT03	13.9917S	75.7967W
Zamaca	PT04	14.6717S	75.6150W
Jicamara	PT05	11.9548S	76.8693W
Paracas	PT06	13.8292S	76.3310W
Suche	PT08	11.9600S	76.5490W
Santa Fe	PT09	11.6670S	76.1930W
Camacho	PT10	12.0750S	76.9690W
Juni	PT11	11.5490S	75.7150W

Calachota	PP02		12.6273S	75.9783W
Condor	PP03		13.5412S	75.5242W
Saramarca	PP04		14.4855S	75.0915W
Tocota	PP05		15.6555S	74.0865W
Puquio	PP06		14.6955S	74.1255W
Ayacucho	PP07		13.0833S	74.2500W
Chalhuanca	PP08		14.2883S	73.2447W
Villa el Salvador	PP09		12.2133S	76.9367W
Ancon	PP10		11.7723S	77.1432W
Arequipa, Peru	ARE		16.4621N	71.4913W
Atahualpa, Peru	ATAH		7.0010S	78.3950W
Atico, Peru	ATI		16.1711S	73.6203W
Ayenquera, Peru	AYE		17.0133S	71.6719W
Lo Barnechea, Peru	BACH		33.3528S	70.4917W
Cajamarca, Peru	CAJP		7.0S	78.4W
Caraveli, Peru	CRV	Closed	15.7844S	73.3731W
Castrovirveyna, Peru	CST		13.2917S	75.3233W
Chala, Peru	CLA	Closed	15.8603S	74.2433W
Cuzco, Peru	CUS		13.5633S	71.8767W
Huanuco, Peru	HCO		9.8300S	76.2300W
Huaraz, Peru	HUZ		9.5289S	77.5083W

Huarmaca, Peru	HURP		5.5830S	78.4330W
Huyancayo, Peru	HUA		12.0384S	75.3228W
Ica, Peru	ICA		14.0750S	75.7250W
Lima, Peru	LM2	Closed	12.0850S	77.0583W
	LIM		11.9750S	77.0347W
Miraflores, Peru	MRF		12.1316S	77.0249W
Na na, Peru	NNA		11.9873S	76.8422W
Ongoro, Peru	ONG	Closed	15.8990S	72.4732W
Paracas, Peru	PCS	Closed	13.8033S	76.2783E
Portachuelo, Peru	PCHP		6.0330S	79.6830W
Puebla Viejo, Peru	PVP	Closed	15.7914S	74.2211W
Puerto Ocapagu, Peru	POCP			
Puno, Peru	PUN		15.8750N	69.9961W
Quillmana, Peru	QUM	Closed	12.9550S	76.3867W
Ovservatorio Astronomico de Quito, Peru	OAQ		0.1258S	78.2957W
Quito, Peru	QUI		0.1200.5S	78.3001.8W
Estachion Pichincha	QTO		0.1230.4S	78.3155.8W
San Juan, Peru	SJU		15.3560S	75.1790W
	SJN	Closed	13.4117S	75.9467W
San Gregorio, Peru	SGP	Closed	16.5621S	72.7136W



Santa Helena, Peru	SHP	Closed	16.1972S	72.4739W
Talara, Peru	TAL		4.6317S	81.3067W
Trujillo, Peru	TRP		8.0780S	78.8610W

## Phillipines

Phillipines	LUK		14.1200N	121.5170E
	GQP		13.9050N	122.4460
Abra de Ilog, Mindoro, Phillipines	ABP	Closed	13.4440N	120.7272E
Ambulong, Luzon Phillipines	AMB		14.0833N	121.0500E
Angono, Phillipines	ARP		14.5380N	121.1530E
Anini-y, Phillipines	AAP		10.4200N	121.0440E
Baguio City, Luzon, Phillipines	BCP		16.4180N	120.6100E
	BAG		16.4108N	120.6000E
Baquoio City Dairy Farm, Phillipines	BCPH		16.3810N	120.5810E
Baguio, Luzon	BAF		16.4167N	120.6000E
	BAG		16.4108N	120.6100E
	BCP		16.4180N	120.6100E
Weather Station Phillipines,	BWP		16.4047N	120.6022E
Banawang, Luzon Phillipines	BNP		14.6188N	120.4136E
Los Banos,	LBPH		14.1540N	121.1800E

Phillipines

Basco, Batan I. BAP*			20.4622N	121.9695E
Phillipines	BBP		20.4410N	121.9640E
Batelco,	BTP		14.6909N	120.5150E
	BIPH		8.1840N	126.3610E

Phillipines

Bislig,	BIP		8.2250N	126.2500E
Mindanao,	DWP		7.1272N	125.6557E
Phillipines				
Buco,	VBU		14.0870N	120.9870E
Phillipines				
Bulusan,	VBN		12.7320N	124.0250E
Phillipines				
Butuan,	BTN	Closed	8.9333N	125.5333E
Mindanao,				
Phillipines				
Cabagna-an,	VCB		10.3620N	123.1170E
Negros,				
Phillipines				
Cagayan de Oro, CVP			8.4548N	124.6942E
Mindanao,	CGP		8,4548N	124.6942E
Phillipines				
Callao Caves,	CVP		17.7030N	121.8220E
Luzon,				
Phillipines				
Canlaon, Negros	VCN		10.3970N	123.2070E
Phillipines				
Catarman, Samar, CNP			12.5105N	124.6632E
Phillipines				
Cebu City,	CCP	Closed	10.3313N	123.9062E
Cebu,				
Phillipines				
Cotabato,	CTB		7.2000N	124.2000E
Phillipines				

Cotabato, PC Hill, Phillipines	CTBH		7.2210N	124.2460E
Davao,	DAP	Closed	7.0667N	125.6000E
	DAV		7.0878N	125.5747E
-Mintal	DMPH		7.0830N	125.8050E
Weather Station	DWP			
Mindanao, Phillipines				
Dipolog, Mindanao, Phillipines	DIP	Closed	8.6000N	123.3500E
	DCPH		8.5830N	123.3520E
General Santos, Mindanao, Phillipines	GTP		6.3133N	125.2167E
	GSPH		6.0870N	124.9490E
Hibok Hibok, Mindanao, Phillipines	VHH		9.2330N	124.6720E
Iloilo, Panay Phillipines	ILO	Closed	10.7000N	122.5667E
Infanta, Phillipines	INF		14.7500N	121.6467E
Kalibo, Phillipines	KALP		11.6780N	122.3380E
Kidapawan, Phillipines	KCP		7.0090N	125.0900E
Lapu-Lapu, Phillipines	LLP		10.3170N	123.9660E
Legaspi, Phillipines	LGP		13.1333N	123.7333E
	LEG		13.1562N	123.7338E
Liyang, Luzon	LYP		14.6334N	120.4851E

Phillpines

Lignon Hill, Phillipines	VLH		13.1600N	123.7260E
Lukban, Phillipines	LQP		14.1120N	121.5390E
Mactan, Cebu Phillipines	MAP		10.3228N	123.9807E
Mambajao, Camiguin, Phillipines	MAM	Closed	9.2500N	125.6000E
Manila, Luzon, Phillipines	MAN		14.6600N	121.0780E
Masbate, Philllippines	MMPH		12.3580N	123.6240E
Mayon Resthouse, Phillipines	VMR		13.2800N	123.6710E
Misericordia, Phillipines	VMS		13.2500N	123.7550E
Morong, Phillipines	MNP		14.6798N	120.2783E
Mount Natib, Phillipines	NBP		14.7420N	120.4160E
Mount Pasian, Mindanao, Phillipines	MPP	Closed	7.8972N	126.0181E
Mount Santo Tomas, Phillipines	MSP		16.3333N	120.5667E
Palayan, Phillipines	PCPH		15.5620N	121.0960E
Palo, Leyte Phillipines	PLP		11.1650N	124.9788E
Pandan, Panay Phillipines	PDP	Closed	11.7143N	122.0962E

	PAP	Closed	11.7335N	122.1445E
Pantabangan, Phillipines	PEP		15.8110N	121.1070E
Pasian Peak, Mindanao, Phillipines	PPH		7.8492N	126.1872E
Puerto Princesa,  Palawan, Phillipines	PPR		9.7764N	118.7308E
Pasauquin,Luzon Phillipines	PIP		18.3257N	120.6188E
Pinatubo-East Slope, Phillipines	PINP		15.2190N	120.3340E
Pira-Piraso, Luzon, Phillipines	VPP		14.0340N	121.0000E
Puerta Galera, Mindoro, Phillipines	PGP		13.5020N	120.9528E
Puerta Princess, Phillipines	PPR		9.7764N	118.7308E
Quadrado, Phillipines	QAD		15.0440N	120.3540E
Quezon City,   Luzon, Phillipines	QCP		14.6370N	121.0771E
	QVP		14.6230N	121.0040E
	QVPH		14.6520N	121.0580E
Roxas, Phillipines	RCP		11.5600N	122.7450E
San Jose del	SBPH		14.7950N	121.1160E

Monte,  
Phillipines

Santa, SZP 17.5510N 120.4560E  
Phillipines

Sibulan, SNPH 9.3430N 123.2360E  
Phillipines

Subic Bay, SBP Closed 14.8333N 120.2833E  
Phillipines

Surigao, SCPH 9.7820N 125.4890E  
Phillipines

Taal Volcano CALP 13.9990N 121.0090E  
Phillipines

Tagaytay, TGY 14.1022N 120.9367E  
Phillipines

Tayabas, TAY 13.8990N 121.8660E  
Phillipines

Tuguegarao, TLP Closed 17.6523N 121.7595E  
Philliipines

Upper Santa UMS 13.2480N 123.7320E  
Misericordia,  
Phillipines

Zamboanga, ZMP 6.9196N 122.0633E  
Philllipines

ZMPH 6.9540N 122.0640E

## **Pitcairn Island**

Pitcairn PTCN 25.0728S 130.0947W  
Island

## **Poland**

Alsterbro, ATR 56.9950N 15.9180E  
Poland

Belsk, Poland BEL Closed 51.8333N 20.8167E

Breslau, BRE Closed 51.0742N 16.9994E  
Poland

Bytom, Poland	BYT		50.3622N	18.9144E
Chorzow, Poland	CHZ	Closed	50.2925N	18.9917E
Chylin, Poland	CYP	Closed	51.2933N	23.3000E
Dabrowa Gornicza, Poland	DGP		50.3292N	19.2142E
Kalwaria Paclawska, Poland	KWP		49.6314N	27.7075E
Krakow, Poland	KRA	Closed	50.0561N	19.9397E
Ksiaz, Poland	KSP		50.8428N	16.2931E
Niedzica, Poland	NIE		49.4189N	20.3131
Ojc'ow, Poland	OJC		50.2195N	175.7984E
Przemysl, Poland			49.8N	23.0E
Raciborz, Poland	RAC		50.0833N	18.1942E
Rybnik, Poland	RBN	Closed	50.0981N	18.5336E
Suwalki, Poland	SUW		50.0125N	23.1808E
Warsaw, Poland	WAR		52.2417N	21.0236E
Zabrze, Poland	ZAB		50.3014N	18.7944E

## Portugal

Portugal	FOT			
Alcoutim, Portugal	PALC		37.4647N	7.4758W

Almeirim, Portugal	ALMR	39.1555N	8.5768W
Almeirim, Portugal	AMRP	39.1583N	8.5750W
Azores, Portugal	ASMO	37.3580N	3.7430E
Barranco do Velho, Portugal	PFBV	37.2715N	7.9808W
Beja, Portugal	PBEJ	38.0264N	7.8664W
Braganca, Portugal	PBRG	41.8048N	6.7413W
Cabril, Portugal	PCAB	41.7102N	8.0270W
Campo de Golfe, Portugal	GOLF	37.7726N	25.4831W
Candelaria, Portugal	PCAN	38.4637N	28.4853W
Capelo, Portugal	PCAP		
Castelo Branco, Portugal	PCBR	39.8403N	7.4775W
Cedros, Portugal	PCED	38.6283N	28.7017W
Cha de Macela, Portugal	CML	37.7708N	25.5409W
	CMLA	37.7637N	25.5243W
Coimbra, Portugal	COI	40.2067N	8.4183W
	PCOI	40.1585N	8.4662W
Corvo, Portugal	PCOV		
Evora, Portugal	EVOP	38.5300N	8.0100W
Faro, Portugal	FAR	37.0189N	7.9722W



Foia, Portugal	PFFO	37.3163N	8.5860W
Gracioso, Portugal	PGRA	39.0293N	27.9813W
Horta, Portugal	HOR	38.5267N	28.6300W
Inst. Nacional de meteorologia e Geofisica, Portugal	INMG	38.7743N	9.1257W
Lisbon	INMG	38.7743N	9.1257E
Geophysical Institute, Portugal	LIS	38.7165N	9.1491W
Loures, Portugal	PLOU	38.8852N	9.1518W
Manteigas, Portugal	MTE	40.4033N	7.5367W
Miradouro, Portugal	MIRO		
Moncorvo Portugal	MVO	41.1644N	7.0289W
Monte Escuro, Portugal	MESC	37.7931N	25.4456W
Monte Figo, Portugal	PFMF	37.1005N	7.8235W
	FIG	37.1006N	7.8283W
Montachique, Portugal	MTH	38.8967N	9.1925W
Montehunto, Portugal	PMJU	39.1750N	9.0488W
Montemor-o- Novo, Portugal	MOE	38.5228N	8.3506W
Palmela, Portugal	PLML	38.5550N	8.9033W
Pera, Portugal	PFPE	37.1340N	8.3178W

Pico, Portugal	PICO	38.5008N	28.4156W
Pico da Areia, Portugal	PARE		
Pico dos Bodes, Portugal	PBOD		
Pico da Cruz, Portugal	PCRZ	37.8448N	25.7585W
Pico do Gaspar, Portugal	PGAS		
Piedade, Portugal	PIED	38.4190N	28.0538W
Pocinhas, Portugal	POCI		
Ponta Delgada, Portugal	PDA	37.7467N	25.5579W
Portalegre, Portugal	PRL	39.3117N	7.3594W
Porto, Portugal	PTO	41.1386N	8.6022W
Povoacao, Portugal	POVO		
Rede University, Portugal	RUVS		
Sao Bartolomeu, Portugal	PFSB	37.2492N	8.3262W
Sao Teotonio, Portugal	PTEO	37.5956N	8.7242E
Santa Barbara, Portugal	ASBA	38.7203N	27.3253W
Santa Clara, Portugal	PFSC	37.4738N	8.4260W

Serra do Cume, PSCM Portugal		38.7007N	27.1173E
Topo, Portugal TOPO		38.5910N	27.9190W
Vila do Bispo, PFVI Portugal		37.1328N	8.8268W
Vila Real, PVRL Portugal		41.2756N	7.7161W
Viseu, Portugal	PVIS	40.7157N	7.8945W
Agualva, Azores, Portugal	AGA	38.7845N	27.1732W
Angra do Heroismo, Azores, Portugal	ADH ADH0	38.6550N 38.6633N	27.2350W 27.2066W
Caldeira, Azores, Portugal	CALA	38.5814N	28.7019W
Caldeiras dos Firuas, Azores Portugal	CALD		
Campo de Golfe, GOLF Azores, Portugal		37.7726N	25.4831W
Cedros, Azores, CEDR Portugal		38.6341N	28.6986W
Cha da Macela, CML Portugal	CMLA	37.7708N 37.7637N	25.5459W 25.5243W
Faja de Cima, FAC Azores, Portugal		37.7732N	25.6505W
Furnas, Portugal	FRA	7.7593N	25.3533W
Horta, Azores, HOR		38.3136N	28.3748W

Portugal

Ilha Flores, Azores, Portugal	FLOR	39.4347N	31.1921W
Lagoa do Fogo, Azores, Portugal	LFA	37.7726N	25.4831W
Lagoa das Furnas, Azores, Portugal	LAGO		
Manadas, Portugal	PMAN	38.6327N	28.0890W
Miradouro, Azores, Portugal	MIRA		
Mount Escuro, Azores, Portugal	MTSA	37.7931N	25.4456W
Pico, Azores, Portugal	PICO	38.5008N	28.4256W
Pico da Areia, Azores, Portugal	PARE		
Pico Bartolomeu, Azores, Portugal	BART	37.7772N	25.1689W
Pico dos Bodes, Azores, Portugal	PBOD		
Pico do Gaspar, Azores, Portugal	PGAS		
Piedade, Azores, Portugal	PIED	38.4190N	28.0538W
Pocinhos.	POCI		

Azores, Portugal			
Porto, Azores, Portugal	PTO	41.1386N	8.6022W
Povoacao, Azores, Portugal	POVO		
Rede Univer- sitaria de Vigilancia Sismovulcanica, Azores, Portugal	RUVS		
Ribeira da Aeira, Azores, Portugal	RIA	38.6597N	28.0394W
Ribeirinha, Azores, Portugal	RIB	37.7995N	25.4611W
	RIB2	38.6716N	27.1743W
Ribeirinha do Pico, Azores, Portugal	PID	38.4422N	28.1192W
Rosais, Azores, Portugal	ROSA	38.7195N	28.2415W
Salto do	SDCA	37.7939N	25.3172W
Santa Barbara, Azores, Portugal	ASBA	38.7203N	27.3253E
Santa Cruz, Azores, Portugal	STGR	39.0802N	28.0031W
Santa Maria, Azores, Portugal	PSMA	36.9950N	25.1288W
Santa Maria Island, Azores, Portugal	SAZ	36.9717N	25.1683W

Sao Teotonio, Portugal	PTEO	37.5456N	8.7242W
Serra do Cume, Azores, Portugal	SCUM	38.6975N	27.1201W
Serra Branca, Azores, Portugal	SRBC	39.0366N	28.0409W
Serra de Santa Barbara, Portugal	PSBA	38.7673N	27.3247W
Sete Cidades, Azores, Portugal	SETA PSET	37.8131N	25.7513W
Tomar, Portugal	PTOM	39.6180N	8.4107W
Trindade Island, Portugal	TDB		
Vila do Bispo, Azores, Portugal			
Vila Franca, Azores, Portugal	VIF	37.7448N	25.4397W
Funchal, Madeira, Portugal	FUL	32.6333N	16.9000W
Madeira	PMAR	32.7237N	16.9137W
Porto Santo, Madeira, Portugal	PMPS	33.0570N	16.3330W

## Romania

Arges, Romania	ARR	45.3675N	24.6336E
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Bacau, Romania	BAC		46.5667N	26.9000E
Baia Mare, Romania	BMR		47.6728N	23.4969E
Bicaz, Romania	BIZ		46.9392N	26.1042E
Birlad, Romania	BIR		46.2663N	27.6263E
Bordesti, Romania	BRD		45.5167N	27.0500E
Bucharest, Romania	BUC	Closed	44.4136N	26.0967E
	BUC1		44.3467N	26.0300E
Buzias, Romania	BZS		45.6167N	21.6167E
Caldarusani, Romania	CDB		44.6769N	26.2706E
Calivareni, Romania	CGN		44.1667N	26.0000E
Calugareni, Romania	CGN		44.1667N	26.0000E
Campulung, Romania	CMP		45.2683N	25.0383E
Carcarliu, Romania	CFR		45.1853N	28.1531E
Carei, Romania	CEI		47.6850N	22.4585E
Ceahlau, Romania	CEA		46.9458N	25.9511E
Cernavoda, Romania	CVD		44.3333N	28.0333E
Closani, Romania	CLO		45.0739N	22.8019E
Cluj, Romania	CLU	Closed	46.7500N	23.6500E
	CJR	Closed	46.7133N	23.5981E

	CJR1		46.7133N	23.5514E
Colonesti, Romania	CLI		46.5500N	27.2833E
Covasna, Romania	CVA		45.82222N	26.1739E
Cozia, Romania	COZ		45.3206N	24.3425E
Deva, Romania	DEV		45.8833N	22.9033E
Dochia, Romania	DOC		46.9072N	26.5656E
Dragan, Romania	DRR		46.7869N	22.7219E
Dragasani, Romania	DRA		44.9072N	24.5656E
Fintinele, Romania	FTB		46.6892N	23.0544E
Focsani, Romania	FOC		45.6950N	27.1833E
Gura Zlata, Romania	GZR		45.3933N	22.7767E
Heniu Mare, Romania	HNM		47.2775N	24.7339E
Iasi, Romania	IAS		47.1933N	27.5617E
Istrita, Romania	ISR		45.1378N	26.5447E
Leresti, Romania	LRR		45.4403N	25.0750E
Lotru, Romania	LOT		45.4478N	23.7694E
Malini, Romania	MI	Closed	47.4558N	26.0747W



Malnas, Romania	MSR		46.0381N	24.8214E
Matau, Romania	MTUR		45.2261N	25.0631E
Medias, Romania	MOB	Closed	46.1417N	24.3806W
Muntele Rosu, Romania	MLR		45.4912N	25.9456E
Odobesti, Romania	ODB		45.7747N	27.0561E
Piatra Neamt, Romania	PTT		46.9347N	26.3861E
Popeni, Romania	PPE		46.2167N	27.6167E
Rakhov, Romania	RAK		47.9500N	24.1667E
Sebes, Romania	SBE		45.5964N	23.6186E
Sfinta Ana, Romania	AAR		46.1333N	25.8950E
Sinaia, Romania	SNX		45.3540N	25.5130E
Strehaia, Romania	SRE		44.6622N	23.2053E
Surduc, Romania	SDR		45.4889N	26.3831E
Susara, Romania	SSR		44.8633N	21.7433E
Timisoara, Romania	TIM		45.7367N	21.2217E
Topalu, Romania	TLB		44.5889N	28.0333E
Turnu Rosu,	TUU		45.6525N	24.2731E

Romania	TNR		45.6520N	24.2730E
Valea Ierii, Romania	VLR		46.6542N	23.3547E
Victoria, Romania	VCT		45.7250N	24.7010E
Vrincioaia, Romania	VRI		45.8700N	26.7250E

## Rwanda

Astrida, Rwanda	AST	Closed	2.6167N	28.7333E
Butare, Rwanda	BTR		2.6167N	29.7333E

## Russia

Oasis Bungera, Anarctica, Russia	OBA		66.1667S	100.7333E
Akhty, Russia	AKT		41.5000N	47.8000E
Alla, Russia	ALL	Closed	54.7000N	110.7667E
Amderma, Russia	AMD	Closed	69.7667N	61.3277E
Anadyr', Russia	ANDR		64.7340N	177.4950E
Anapa, Russia	ANN		44.8833N	37.3000E
Angarakan, Russia	ANKS		56.4000N	113.7000E
Apakhonchich, Russia	APN		56.0000N	160.9000E
Apatity Array Site Z9, Russia	APZ9		67.5500N	33.3333E

Apatity, Russia	APA		67.5500N	33.3333E
Array Site	A0	APA0	67.6061N	32.9431E
	A1	APA1	67.6078N	32.9931E
	A2	APA2	67.6053N	32.9964E
	A3	APA3	67.6047N	32.9894E
Array Ref. Pt.	APAES		67.6061N	32.9931E
	B1	APB1	67.6067N	33.0047E
	B2	APB2	67.5983N	33.0017E
	B3	APB3	67.6028N	32.9861E
	B4	APB4	67.6078N	32.9831E
	B5	APB5	67.6100N	32.9928E
	Z9	AP29	67.5686N	33.4050E
Arshan, Russia	ARS		51.9000N	102.4000E
Arti, Russia	ARU		56.4302N	58.5625E
Avacha, Russia	AVH		53.2650N	158.7380E
Barguzin, Russia	BGZ		53.6167N	109.6167E
Batagay, Russia	BTGS		67.6510N	134.6400E
Bayan-Aul, Russia	BAYK		50.8200N	75.5500E
Bayanday, Russia	BAY	Closed	53.0667N	105.5167E
Bering, Russia	BKI		55.2040N	165.9720E
Belyy Ugol, Russia	BEYR			

Bilibino, Russia	BILL	68.0651N	166.4524E
Bodaybo, Russia	BOD	57.8500N	114.1833E
Bodon, Russia	BDN	53.9000N	110.1000E
Bomnak, Russia	BMKR	54.7110N	128.8420E
Bulochka, Russia	BLCS	53.1930N	158.7940E
Chagan-Uzum, Russia	CUR	50.1000N	88.3500E
Chagda, Russia	CGD	58.7500N	130.6167E
Chara, Russia	CRS	56.9000N	118.2700E
Cherskiy, Russia	CES	68.7000N	161.2000E
Chita, Russia	CIT	52.0200N	113.5500E
Chulman, Russia	CLNS	56.8700N	124.9000E
Debin, Russia	DBI	62.4000N	150.8000E
Derbent, Russia	DRN	42.0300N	48.3300E
Dubki, Russia	DBC	43.0200N	40.8300E
Dylym, Russia	DLMR	43.0700N	46.6300E
Ekaterinburg, Russia	SVE	56.8100N	60.6367E
Ekimchan, Russia	EKMR	53.0700N	132.9500E
Erzin, Russia	ERNS	50.2630N	95.1550E
Esso, Russia	ESO	55.9250N	158.7000E
Gofitskoye, Russia	GOF		

Gornyy, Russia	GOY	Closed	44.9167N	147.5667E
Groznyy, Russia	GRO		43.3200N	45.7500E
Institut, Russia	INSS		53.6000N	158.1000E
Irkutsk, Russia	IRK		52.2717N	104.3100E
Iultin, Russia	ILT		67.8700N	178.7300W
Kaliningrad, Russia	KNG	Closed	54.8333N	20.5000E
Kabansk, Russia	KAB		52.0500N	106.6500E
Kamchatka, Russia	KRSC			
Karkaralinsk, Russia	KKL		49.3300N	75.3800E
Karymskii, Russia	KII		54.0360N	159.4490E
Khabaz, Russia	KBZ		43.7286N	42.8975E
Khandyga, Russia	KHG		62.6500N	135.5500E
Khapcheranga, Russia	KPC		49.7200N	112.7700E
Khatystyr, Russia	KHY		55.7000N	121.5000E
Kheis, Franz Josef Land, Russia	KHE	Closed	80.6167N	58.0500E
Kirov, Russia	KIRV		58.5850N	49.4158E
Kirovskiy, Russia	KROS		54.4330N	126.9710E
Kislovodsk	KIV		43.9553N	42.6863E

Russia				
Array Site 0	KIV0		43.9557N	42.6952E
	1	KIV1	43.9570N	42.6946E
	2	KIV2	43.9554N	42.6970E
	3	KIV3	43.9547N	42.6939E
Kislovodsk	KVAR		43.9557N	42.6952E
Array Beam Ref				
Point, Russia				
Klyuchi,	KLY		56.3130N	160.6520E
Russia				
Koryaka,	KOK		53.3000N	158.6400E
Russia				
Kosmodemyansk,	KOS	Closed	44.1000N	145.8833E
Kuriles, Russia				
Kovokta,	KVO		56.1400N	113.0500E
Russia				
Kozelskiy,	KZL		53.2010N	158.8940E
Russia				
Kozyrevsk,	KOZ		56.0700N	159.9000E
Russia				
Krasnaya	KPR	Closed	43.6667N	40.2000E
Polyana,				
Russia				
Kremenetskaya,	KEM		64.9560N	34.6350E
Russia				
	PLG		62.3200N	36.9300E
	PLQ		66.4100N	32.7500E
	PLZ		67.4000N	32.5330E
Kronoki,	KRN		54.5900N	161.1630E
Russia				
Krutoberegovo,	KBG		56.2550N	162.7050E
Russia				
	KBTK			

Kucino, Russia	KUC	Closed	55.7500N	37.9667E
Kuldur, Russia	KLR		49.2300N	131.7500E
Kumora, Russia	KMO		55.8833N	111.2167E
Kurdmатов, Russia	KURK		50.7154N	78.6202E
Kurilsk, Kuriles, Russia	KUR	Closed	45.2333N	147.8667E
Kyakhta, Russia	KYA	Closed	50.3667N	106.4500E
Lesozavodsk, Kuriles, Russia	LES	Closed	44.7667N	147.1833E
Lovozero, Russia	LVZ		67.8979N	34.6514E
Magadan, Russia	MAG		59.5540N	150.8050E
	MA2		59.5753N	150.7678E
1,	MGD		60.0460N	150.7300E
Makhachkala, Russia	MAK		42.9610N	47.5050E
Manas, Russia	MNAS		42.7333N	47.6833E
Matua, Russia	MAU		48.6000N	153.2500E
Michnevo, Russia	MHY		54.9595N	37.7664E
Mondy, Russia	MOY	Closed	51.6833N	100.9833E
Moscow, Russia	MOS		55.7383N	37.6250E
Mys Kozlova, Russia	MKZ		54.5561N	161.7300E
Mys Shipunski, Kamchatkam, Russia	SPN		53.1000N	160.0833E

Nalychevo, Russia	NLC		53.1711N	159.3450E
Nelyaty, Russia	NLY		56.4833N	115.6833E
Nikolaevsk na Amure, Russia	NKL		53.1333N	140.6800E
Nizhne-Angarsk, Russia	NIZ		55.7833N	109.5500E
Norilsk, Russia	NRI		69.4300N	88.0830E
	NRIL		69.5049N	88.4414E
Antartica, Russia	NRIS		69.0061N	88.9964E
Novay Zemlya	NVZ			
Novolazarev- skaya,	NVL		70.7667S	11.8333E
Novosibirsk, Russia	NVS		54.8404N	83.2346E
Obninsk, Russia	OBN		55.1138N	36.5687E
Okha, Sakhalin, Russia	OKH		53.5500N	142.9333E
Omsukchan, Russia	OMS		62.5150N	155.7750E
Ootamari, Russia	OOT	Closed	46.6500N	142.7667E
Oran, Russia	ORA		55.9300N	113.6700E
Ossora, Russia	OSSR		59.2500N	163.0600E
Orlik, Russia	ORL		52.5200N	99.8300E
Otiiai, Russia	OTI	Closed	47.3333N	142.7833E
Ozernaya, Russia	OZE		56.3000N	114.9800E



Pauzhetka, Russia	PAU	51.4680N	156.8060E
Pechory, Russia	PECR	56.3167N	44.0833E
Petropavlovsk- Kamchatskiy, Russia	PET	53.0236N	159.6500E
Peleduy, Russia	PDY	59.6333N	112.7003E
	PDU	59.6000N	112.5000E
Array Site 31	PDY31	59.6175N	112.6361E
Array Beam Beam Reference Point	PDYAR	59.6553N	112.4408E
Provideniya, Russia	PROV	64.4270N	173.2250E
Pulkovo, Russia	PUL	59.7667N	30.3167E
Pyatigorsk, Russia	PYA	44.0333N	43.0583E
Reidovoe, Kuriles Is. Russia	REI	45.2667N	148.0167E
Romny, Russia	RMNS	50.9000N	129.4000E
Russkaya, Russia	RUS	52.4319N	158.5069E
Sakhalin, Russia	OTI	47.3333N	142.7833E
St. Petersburg, Russia	LNN	59.9333N	30.3000E
Semlyachik, Russia	SEL	54.1167N	159.9833E
Severo-Bayalsk, Russia	SVBS	55.6000N	109.4000E

Severo-Kurilsk, SKR Russia		50.6830N	156.1170E
Severo-Muysk, SVBS Russia		56.1900N	113.5200E
Seymchan, SEY Russia		62.9330N	152.3730E
Shikotan, SHO Russia		43.8700N	146.8300E
Sikka, SKK Sakhalin, Russia		49.2333N	143.1167E
Simushir, SIU Kuriles, Russia		46.8500N	151.7800E
Sochi, Russia SOC		43.5833N	39.7167E
Solontsovaya, SOL Russia		54.1000N	108.3000E
Sredniy Kalar, SRK Russia		55.8700N	117.3800E
Susuman, SUUS Russia		62.7810N	148.1480E
Syulban, SLBS Russia		56.7000N	117.2000E
Talaya, Russia TLY		51.6807N	103.6438E
Teeli, Russia TEL		51.0200N	90.2000E
Tiksi, Russia TIK		71.6333N	128.8667E
	TIXI	71.6490N	128.8665E
Tonnelnyy, TNL Russia		56.2800N	113.3600E
Topolovo, TOP Russia		53.2300N	158.0410E
Tsey, Russia ZEI		42.7700N	43.8984E

Tsipikan, Russia	ZIP		54.9000N	113.3000E
Tungurcha, Russia	TUG		57.2900N	121.5000E
Tupik, Russia	TUP		54.4333N	110.9000E
Tymovskoe, Russia	TYV		50.8630N	142.6560E
Tyrgana, Russia	TRG		52.7700N	106.3300E
Uakit, Russia	UKT		55.4800N	113.6200E
Ufa, Russia	UFA		54.8000N	56.0000E
Uglegorsk, Russia	UGL		49.0780N	143.0660E
	ESU	Closed	49.0833N	142.0333E
Uoyan, Russia	YOA		56.1300N	111.7800E
Urgal, Russia	URG		51.0986N	132.3639E
Uspenovka, Russia	USP			
Ussuryisk, Russia	USK		44.2833N	132.0831E
Ust-Elegest, Russia	UER		51.5630N	94.0870E
Ust-Kan, Russia	UKR		50.9370N	84.7730E
Ust-Nera, Russia	UNR		64.5500N	143.1800E
Ust-Nyukzha, Russia	USZ		56.5667N	121.6167E
Ust-Omchug, Russia	USO		61.1500N	149.6333E
Verkh-Baza, Russia	VEH		53.2530N	90.3180E

Vladivostok, Russia	VLA		43.1200N	131.8933E
Voronezh, Russia	VOR			
Vyborg, Russia	VYB		60.7167N	28.8000E
Yakutsk, Russia	YAK		62.0167N	129.7167E
Yasnyy, Russia	YASS		53.2900N	128.0000E
Yeltsovka, Russia	ELT		53.2500N	86.2667E
Ykaterinburg, Russia	SVE		56.8270N	60.6370E
Yuzhno-Kurilsk, Russia	YUK		44.0300N	145.8600E
Yuzhno- Sakhalinsk, Russia	YSS		46.9583N	142.7610E
Zacamensk, Russia	ZAK		50.3833N	103.2833E
Zalesovo, Russia	ZAL		53.9367N	84.7981E
Zeya, Russia	ZEA		53.7380N	127.2500E

## Rwanda

Astrida, Rwanda	AST	Closed	2.6167S	28.7333E
Butare, Rwanda	BTR	Closed	2.6167S	29.7333E

## Saint Helena Island

Saint Helena Island	SHEL		15.9588S	5.7457W
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SHLN 15.9107S 5.7333W

### St. Kitts and Nevis

Bayford St. SKI 17.3333N 62.7390W  
St. Kitts and  
Nevis

Brimstone Hill, BSK 17.3470N 62.8400W  
St. Kitts and  
Nevis

Hard Times NEV 17.1361N 62.5710W  
Estate, Nevis,  
St. Kitts and  
Nevis

Saint Kitts STKP 17.3800N 62.8270W

Saint Kitts 2, SKDB 17.3969N 62.8083W  
Saint  
Christopher,  
St Kitts and  
Nevis

### St. Lucia

Belfond, SLB 13.8258N 61.0408W  
St. Lucia

Belmont, SVB 13.2720N 61.2520W  
St. Lucia

Moule a Chique MCLT 13.7096N 60.9412W  
St. Lucia

Petit Monier, SLW 14.0200N 60.9360W  
St. Lucia,

Vigie Point, SLI 14.0280N 61.0080W  
St. Lucia,

### Samoa

Afiamalu, AFI 13.9094S 171.7772E  
Samoa, Samoa

Apia, Samoa	API	13.8072S	171.7750E
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## San Marino

Republica di San Marino	RSM	43.9277N	12.4523E
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## Sarawak

Kuching, Sarawak	KSM	1.3000N	110.2142E
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## Saudi Arabia

Saudi Arabia	KMSN		
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Abha, Saudi Arabia	ABHA	18.2500N	42.7500E
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Abu Arish, Saudi Arabia	ABAR	16.9420N	42.9390E
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Afif, Saudi Arabia	AFIF	24.1010N	43.1800E
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Al Bad', Saudi Arabia	BADA	28.5660N	34.9620E
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Bahrah, Saudi Arabia	BARA	21.4400N	39.4710E
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BHRA Closed		21.4440N	39.9680E
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Bir Mash, Saudi Arabia	BMSH	28.8140N	39.8390E
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Bishah, Saudi Arabia	BISH	20.0010N	42.5990E
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Al Budayyi, Saudi Arabia	BBU	26.2150N	50.4567E
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Dharan, Saudi Arabia	DHR	26,3039N	50.1389E
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Dharan Janob,	DHJN	17.6600N	43.4890E
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Saudi Arabia			
Haql, Saudi Arabia	HQL	29.2700N	35.0470E
Jizan, Saudi Arabia	JIZN	16.9590N	42.8250E
Al Khamasin, Saudi Arabia	KMSA	20.3710N	44.4950E
Khamis Mushayt, Saudi Arabia	KMTA	18.1660N	42.8650E
Al Lith, Saudi Arabia	LITH	20.7160N	40.6160E
Madsous, Saudi Arabia	MADS	29.1080N	35.0730E
Al Majma'ah, Saudi Arabia	MJMA	25.8550N	45.2890E
Maqna, Saudi Arabia	MKNA	28.4380N	34.8760E
Near Bada, Saudi Arabia	BODY	28.3560N	35.1320E
Near Sharaf, Saudi Arabia	MATS Closed	28.7140N	35.0800E
	SHRF	28.9460N	35.1090E
Al Sharaya, Saudi Arabia	SHRA	21.4790N	39.9680E
Quassim, Saudi Arabia	QASM	26.0900N	43.5330E
Al Rayn, Saudi Arabia	RAYN	23.5225N	45.5032E
Riyadh, Saudi Arabia	RYD	24.7200N	46.6100E
Al Sooda, Saudi Arabia	SODA	18.2900N	42.3740E
Sultana, Saudi	SALT	29.0230N	44.9080E

## Arabia

Sarat Abidah, Saudi Arabia	SRAT		18.0390N	43.1620E
Sharaf, Saudi Arabia	SRFA	Closed	28.9300N	35.1880E
Sultana, Saudi Arabia	SALT		29.0280N	34.9080E
At Taif, Saudi Arabia	TAIF		21.2920N	40.3540E
Uqlat Suqur, Saudi Arabia	TAF1 UQSK		21.2830N 25.7890N	40.3500E 42.3600E
Al Uyaynah, Saudi Arabia	AYN		28.8660N	36.0010E
Wadi Sarin, Saudi Arabia	WSAR			
Al Wajh, Saudi Arabia	WAJH		26.1760N	36.5600E
Wasel, Saudi Arabia	WASL		29.1880N	34.9060E

## Senegal

Bakel, Senegal	BKL		14.9024N	12.4648W
Dakar, Senegal	DAK	Closed	14.6667N	17.4333W
Kedougou, Senegal	KED	Closed	12.9258N	12.3214W
	KDG	Closed	12.9258N	12.3214W
	KDS		12.5687N	12.2112W
Matam, Senegal	MMS	Closed	15.6167N	13.3333W
Mbour, Senegal	MBO		14.3908N	16.9547W

## Federal Republic of Yugoslavia



Bajina Basta, Serbia, Federal Republic of Yugoslavia	BBLS	43.8680N	19.4100E
Barje, Serbia, Federal Republic of Yugoslavia	BARS	42.8200N	21.8250E
Beograd, Serbia, Federal Republic of Yugoslavia	BEO BGY	44.8214N 44.8026N	20.4553E 20.5158E
Berane, Montenegro, Federal Republic of Yugoslavia	IVA	42.8718N	19.8981E
Brankovina, Serbia, Federal Republic of Yugoslavia	VVOS	44.3508N	19.9047E
Bratogos, Montenegro, Federal Republic of Yugoslavia	BRY	42.9007S	18.5439E
Budva, Montenegro, Federal Republic of Yugoslavia	BDV	42.2834N	18.8279E
Djerdap, Serbia, Federal Republic of Yugoslavia	DJES	44.6333N	22.5250E
Herceg Novi, Montenegro, Federal	HCY	42.4475N	18.4984E

Republic of Yugoslavia				
Niksik, Montenegro, Federal Republic of Yugoslavia	IVKY	42.8129N	19.9982E	
Niksic, Montenegro, Federal Republic of Yugoslavia	NKY	42.8129N	18.9982E	
Petnica, Serbia, Federal Republic of Yugoslavia	PTNS	44.2467N	19.9357E	
Plav, Montenegro, Federal Republic of Yugoslavia	PVY	42.5950N	19.9735E	
Pljevlja, Montenegro, Federal Republic of Yugoslavia	PLE	43.3299N	19.3942E	
Podgorica, Montenegro, Federal Republic of Yugoslavia	TTG	42.4297N	19.2608E	
Selova, Serbia Federal Republic of Yugoslavia	SELS	43.2013N	21.1210E	
Struganik, Serbia Federal Republic of Yugoslavia	STRS	44.2036N	20.1115E	

Svilajnac, Serbia Federal Republic of Yugoslavia	SVIS	44.2962N	21.2216E
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Ulcinj, Montenegro, Federal Republic of Yugoslavia	ULLC	41.9634N	19.2497E
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### Sierra Leone

Kindia, Sierra Leone	KING	9.5749N	12.5206W
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### Singapore

Bukit Tunah Dairy, Singapore	BDTK	1.3608N	103.7729E
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Singapore	SING	1.3050N	103.8500E
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### Slovakia

Bistrinsk Jarek, Slovakia	BISS	46.6478N	15.1271E
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Bratislava, Slovakia	BRA	Closed	48.1683N	17.1050E
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ZST	48.1961N	17.1025E
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Hurbanovo, Slovakia	HRB	47.8736N	18.1928E
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Niedzica, Slovakia	NIE	49.2525N	20.1919E
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Skalnate-Pleso, Slovakia	SPC	49.1889N	20.2450E
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Srobarova, Slovakia	SRO	47.8133N	18.3133E
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## Slovenia

Bistrinsk Jarek, Slovenia	BISS		46.6478N	15.1271E
Cerknica, Slovenia	CEY		45.7388N	14.4267E
Cesta Pri Krskem, Slovenia	CESS		45.9734N	15.4631E
Dobrina, Slovenia	DOBS		46.1495N	15.4691E
Drobovo, Slovenia	DBY	Closed	45.9990N	13.5280E
Gorje, Slovenia	GRJ	Closed	46.3833N	14.0833E
Klagenfurt, Slovenia	KFA		46.3854N	14.1940E
Ljubljana, Slovenia	LJU		46.0433N	14.5333E
Vinica- Bojanci, Slovenia	VBY		45.5045N	15.2566E
Vojsko, Slovenia	VOY		46.0317N	13.8935E

## Somalia

Mogadiscio, Somalia	MOG	Closed	2.0333N	45.3500E
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## South Africa

Arusha, South Africa	ARTT		2.4332S	36.1654E
Beaufort West, South Africa	BEW		32.3563S	22.5730E

South Africa

Belfast, South Africa	BFT		25.6867S	30.0433E
Bellville, South Africa	BLE		33.9000S	18.6450E
Bernard Price Institute, South Africa	BPI		26.1750S	28.0300E
Bloemfontein, South Africa	BLF		29.1089S	26.1881E
Boshof, South Africa	BOSA		28.6141S	24.2555E
Buffelsfontein, South Africa	BFS		26.8983S	26.7850E
Calvinia, South Africa	CVN		31.4500S	19.7617E
Cape Town, South Africa	CTO	Closed	33.9500S	18.4500E
Cape Good Hope, South Africa	CGH	Closed	33.9333S	18.4833E
Ceres, South Africa	CER		33.3617S	19.2933E
Coligny, South Africa	CGY	Closed	26.3483S	26.3750E
Ellisras, South Africa	ERS		23.6816S	26.7233E
Evander, South Africa	EVA	Closed	26.5055S	29.0770E
Fauresmith, South Africa	FRS		29.7500S	25.3217E
Grahamstown, South Africa	GRH	Closed	33.3100S	26.5750E
	GRM		33.3133S	26.5733E

Hendrik Verwoerd Dam, South Africa	HVD		30.6050S	25.4967E
Hermanus, South Africa	HER	Closed	34.4250S	19.2250E
Johannesburg, South Africa	BPI		26.1750S	28.0300E
	JOH	Closed	26.1817S	28.0750E
Jozinii, South Africa	JOZ	Closed	27.4450N	32.0783E
Kimberley, South Africa	KIM	Closed	28.7517S	24.7800E
Kokstad, South Africa	KSD		30.5333S	29.4167E
Koster, South Africa	KSR		25.8650S	26.8967E
Louis Trichardt, South Africa,	LTT	Closed	29.7233S	23.0150E
Mandileni, South Africa	MDL	Closed	30.7100S	28.8000E
Marion Island, South Africa	MIO		46.9583S	57.9000E
Messina, South Africa	MSNA		27.3452S	30.0232E
Newcastle, South Africa	NWL		27.7207S	29.9531E
Ookiep, South Africa	OKP	Closed	29.6467S	17.9650E
Parys, South Africa	PRY		26.9283S	27.4733E
Paul Sauer Dam, South Africa	PSR		33.6800S	24.4100E
Phalaborwa, South Africa	PHW		23.9505S	31.1388E

Pietermaritz- burg, South Africa	PIE	Closed	29.6200S	30.3967E
	PTM		29.6271S	30.4035E
P.K. le Roux Dam, South Africa	PKR	Closed	30.0033S	24.7417E
Pofadder, South Africa	POF		29.3817S	19.9500E
Pongola, South Africa	POG		27.3698S	31.6117E
Pretoria, South Africa	PRE	Closed	25.7533S	28.1900E
Prieska, South Africa	PKA		29.6700S	22.7567E
Schweizer- Reneke, South Africa	SWZ		27.1817S	25.3250E
Senekal, South Africa	SEK		28.3233S	27.6250E
Silverton, South Africa	SLR		25.7349S	28.2816E
Somerset East, South Africa	SOE		32.7117S	25.5617E
Springbok, South Africa	SBO		29.6698S	17.8789E
Sutherland, South Africa	SUR		32.3800S	20.8117E
Tulbagh, South Africa	TUH	Closed	33.2967N	19.1500E
Umtata, South Africa	UMT	Closed	31.5833S	28.7550E
Upington, South Africa	UPI		28.3619S	21.2527E
Virginia, South Africa	VIR	Closed	28.0800S	26.8633E

Welkom, South Africa	WKM		28.0050S	26.7617E
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## South Korea

Inchon, South Korea	INC	Closed	37.4833N	126.6333E
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	INCN		37.4830N	126.6330E
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Korea Array, South Korea	KSRS		37.4540N	127.9230E
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Korea Array Beam Point, South Korea	KSAR		37.4421N	127.8841E
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(Wonju) Array	KS01		37.4366N	127.8940E
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	KS02		37.4953N	127.9093E
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	KS03		37.4783N	127.9177E
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	KS04		37.4566N	127.8207E
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	KS05		37.4574N	127.8924E
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	KS06		37.4708N	127.8727E
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	KS07		37.4874N	127.8727E
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	KS08		37.5153N	127.8882E
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	KS09		37.5108N	127.9224E
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	KS10		37.4961N	127.9302E
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	KS11		37.4808N	127.9535E
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	KS12		37.4644N	127.9427E
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	KS13		37.4458N	127.9302E
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	KS14		37.4336N	127.9094E
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	KS15, 31		37.4421N	127.8844E
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	KS16		37.4516N	127.8557E
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	KS17		37.4674N	127.8407E
	KS18		37.4861N	127.8444E
	KS19		37.5019N	127.8669E
	KS32		37.5778N	127.9519E
	KS33		37.7561N	127.0260E
	KS34		37.6028N	127.1480E
	KS35		37.4694N	127.7190E
	KS36		37.5769N	127.7190E
	KS37		37.7153N	127.7975E
Pohang, South Korea	PHN		36.0300N	129.3600E
Pusan, South Korea	PUS	Closed	35.1000N	129.0333E
Seoul, South Korea	SEO		37.5667N	126.9667E
Syuhurei, South Korea	SYU	Closed	36.2000N	128.0000E
Taegu, South Korea	TAE	Closed	35.8667N	128.6000W
Taejon, South Korea	TJN		36.3700N	127.3700E

## Spain

Agron, Spain	ERON		37.0185N	3.8058W
Ainzon, Spain	NE11		41.8140N	1.5170W
Alfacar, Spain	AFC	Closed	37.2544N	3.5450W
Alhama de Murcia, Spain	EALH		37.8581N	1.4197W
Alicante, Spain	ALI		38.3553N	0.4872W

Aljibe, Spain	ALJ	36.5299N	5.6494W
Almeria, Spain	ALM Closed	36.8525N	2.4598W
La Almunia Spain	NE11*Closed	41.4770N	1.3720W
Arroyo, Pinares, Spain	AAPN	37.3077N	4.1210W
Avellanes, Spain	AVN	41.8825N	0.7514E
Banos de la Encina, Spain	EBAN	38.1643N	3.7857W
Las Canadas Cararicas, Spain	CCAN	28.2217N	16.6050W
Canalobre, Spain	ACU	38.5114N	0.4106W
Cartagena, Spain	CART	37.5868N	1.0012W
Cartuja, Spain	CRT	37.1900N	3.5979W
Central Nuclear Vandellos 2, Spain	VAN2	40.9531N	0.8266W
Chera, Spain	ECHE	39.5908N	0.9678W
Chimineas, Spain	ACHM	37.1050N	3.8297W
Cogallos -Vega, Spain	ECOG	37.2772N	3.5664W
Conil, Spain	CNIL	36.3700N	6.0545W
Cripan, Spain	ECRI	42.6089N	2.5100W
Cueva de los Verdes, Spain	CDLV	29.1631N	13.4439W

Dilar, Spain	DILR	37.0430N	3.6188W
Ebro Roquetas, Tarragona, Spain	EBR	40.8206N	0.4933W
Ebro Roquetas, Spain	EBRE	40.8228N	0.4940W
Elizondo, Spain	ELIZ	43.1639N	1.5285W
Fabra, Spain	FBR	41.4164N	2.1250E
Fontmartina, Spain	FONT	13.4361N	7.3298W
Fuertaventura, Spain	CFTV	28.4138N	14.0833W
Gibalbin, Spain	GIBL	36.8301N	5.9674W
Graus, Spain	EGRA	42.1952N	0.3159W
Granada, Spain	NE14	37.1900N	3.5950W
Guia de Gran Canaria, Spain	GGC	28.1197N	15.6367W
Guajares, Spain	EGUA	36.8337N	3.5654W
Gudarrma, Spain	GUD	40.6430N	4.1536W
Guimar, Spain	GUI	28.3208N	16.4405W
Hacho, Spain	HACH	37.1890N	4.1218E
El Hierro Las Playas, Spain	CHIE	27.7270N	17.9607W
Horuachuelos, Spain	EHOR	37.8231N	5.2481W
	EHUE	37.8148N	5.2481W
Huescar, Spain	EHUE	36.4513N	5.5927W

Isla de Alboran, Spain	ALR	Closed	35.9392N	3.0350W
Jimena de la Frontera, Spain	EJIF		36.4513N	5.4688W
	EJIM	Closed	36.4514N	5.4689W
Lanzarote, Spain	CLAN		29.1031N	13.4761W
La Rúa, Spain	ERUA		42.3927N	7.1425W
Lijar, Spain	LIJA		36.9061N	5.4038W
Llivia, Spain	CLLI		42.4792N	1.9742E
Logrono, Spain	LGR	Closed	42.4578N	2.5033W
Loja, Spain	ALQJ		37.1090N	4.1050W
Luque, Spain	ELUQ		37.5605N	4.2688W
Madrid, Spain	MDD	Closed	40.0000N	3.6833W
Mahon, Spain	MAHO		39.8959N	4.2655E
Malaga, Spain	MAL		36.7275N	4.4111W
Malaga-Luminero, Spain	EMAL		36.7620N	4.4292W
Melilla, Spain	EMEL	Closed	35.3000N	2.9567W
	MELI		35.2899N	2.9392W
Momias, Spain	MOMI		36.3301N	5.7200W
Mondonedo, Spain	EMON		43.4361N	7.3298W
Monestir de Poblet, Spain	POBL		41.3793N	1.0847W
Montserrat, Spain	MRB		41.5948N	1.8372E
Nijar, Spain	ENIJ		36.9717N	2.2069W
Ojen, Spain	OJEN	Closed	36.0993N	5.5407W

Olot, Spain	OLT	42.1443N	2.4743E
Parapanda, Spain	PARA	37.3052N	3.9065W
Pico dos Bodes, Spain	PBOD		
Pico Herrero, Spain	APHE	36.9520N	3.6880W
Pinar, Spain	PINR Closed	36.4990E	6.1183W
Plasencia, Spain	EPLA	40.0642N	6.0803W
Plata, Spain	PLAT	36.1226N	5.7655W
Pruna, Spain	EPRU	36.9660N	5.7585W
Puertollano, Spain	NE13	38.6850N	4.0910W
Quentar, Spain	EQUE	37.2050N	3.4400W
Rancho de la Bola, Spain	RANB	36.632832N	6.1384W
Resinera, Spain	RESI	36.8732N	3.0700W
Rio Pedras, Spain	ERIP	37.3729N	7.2551W
Rio Tinto, Spain	TINT Closed	37.7667N	6.6333W
Roquetas del Mar, Spain	EROQ	40.8232N	0.4088E
Saint Martin du Canigou, Spain	SMCF	42.5280N	2.4018E
San Pablo de los Montes, Spain	PAB	39.5458N	4.3483W
San Fernando,	SFS	36.4656N	6.2055W

Spain	SFUC		36.6370N	6.1750W
San Roque, Spain	SRQ	Closed	36.2575N	5.3742W
Santiago de Compostela, Spain	STS		42.8860N	8.5509W
Selva, Spain	ESEL		39.7682N	2.8943W
Sierra de Lijar, Spain	ELIJ		36.9178N	5.3808W
Sierra Elvira, Spain	ELVI		37.2505N	3.7023W
Sierra Loja, Spain	ELOJ		37.1477N	4.1526W
Sierra Morrone, Spain	ASMO		37.3580N	3.7430W
Sonseca Array				
Site A	ESLA		39.6742N	3.9631W
B	ESLB		39.8415N	4.0172W
C	ESLC		39.7950N	3.8132W
D	ESLD		39.6099N	3.7843W
E	ESLE		39.5072N	3.9734W
F	ESLF		39.5960N	4.1701E
G	ESLG		39.7446N	4.1950W
1	ES01		39.6702N	3.9475W
2	ES02		39.6771N	3.9355W
3	ES03		39.6663N	3.9334W
4	ES04		39.6558N	3.9423W
5	ES05		39.6624N	3.9590W

6	ES06		39.6757N	3.9521W
7	ES07		39.6873	3.9519W
8	ES08		39.6923N	3.9251W
9	ES09		39.6781N	3.8996W
10	ES10		39.6580N	3.9025W
11	ES11		39.6487N	3.9200W
12	ES12		39.6387N	3.9429W
13	ES13		39.6501N	3.9660W
14	ES14		39.6518N	3.9885W
15	ES15		39.6642N	4.0004W
16	ES16		39.6868N	3.9943W
17	ES17		39.7004N	3.9728W
18	ES18		39.7102N	3.9493W
19	ES19		39.7006N	3.8991W
Beam Reference Point	ESDC		39.6742N	3.9631W
Taburiente, Canary Islands, Spain	TBT		28.6794N	17.9145W
Tejeda, Spain	ATEJ		36.9150N	4.0140W
Tenerife- cabildo, Spain	TEN	Closed	28.4643N	16.2454W
Tenerife- Las Mesas, Spain	CTFE		28.4796N	16.2621W
Terradas, Spain	ETER		42.3015N	2.8555E
Toledo, Spain	NE17		39.8814N	4.0486W

Toledo, Spain	TLO	Closed	39.8600N	4.0147W
	TOL	Closed	39.8814N	4.0486W
Torecillas, Spain	TORR		36.9723N	4.0743W
Torete, Spain	ETOR		40.8194N	2.0552W
Torrejon, Spain	TCOM			
Tunel del Cadi, Spain	CADI		42.3042N	1.8412E
Valle de los Caidos, Spain	NE12	Closed	40.6420N	4.1550W
Valverde Aguarajo Cassorias, Spain	CVVD	Closed	27.8208N	17.9361W
Valverde, Canary Islands, Spain	VVD	Closed	27.8074N	17.9112W
Valverde del Camino, Spain	EVAL		37.5842N	6.7475W
Vianos, Spain	EVIA		38.6386N	2.5025W
Vielha, Spain	VIH		42.6288N	0.7700E
Viella, Spain	VIA			
Zamans, Spain	EZAM		42.1490N	8.6950W

### **Spratly Islands**

Kalayaan, Spratly Islands	KIPH		11.0530N	114.2840E
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### **Sri Lanka**

Colombo, Sri	COC		6.9000N	79.8667E
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## Lanka

Kandy, Sri Lanka KNDY

Pallekele, Sri Lanka PALK 7.2717N 80.7000E

## Sudan

Nyala, Sudan NYA Closed 12.0475N 24.9022E

## Swaziland

Kibwezi, Swaziland MMPSO

Maguga Dam, Swaziland MAGG 26.0739S 31.2668E

Mpaka, Swaziland MPSO Reserved

Swaziland SWD Closed 26.4017S 31.7728E

SWL Reserved

## Sweden

Abborraasen, Sweden ABB 57.8450N 12.7860E

Abisko, Sweden ABK Closed 68.3417N 18.81867E

Alsterbro, Sweden ATR 56.9950N 15.9180E

Appelbo, Sweden APO 60.5389N 13.9281E

Bredaryd, Sweden BYD 57.0590N 13.1630E

Delary, Sweden DEL Closed 56.4700N 13.8700E

DEI1 56.4717N 13.8683E

Goteborg, Sweden	NE01	Closed	57.8010N	12.1320E
Granbergs Dal, Sweden	GOT	Closed	57.6983N	11.9783E
	GBD		59.4570N	14.5540E
Abborrasen, Sweden	ABB		57.8450N	12.7860E
Abisko, Sweden	ABK		68.3417N	18.8167E
Applebo, Sweden	APO		60.5389N	13.9281E
Alsterbro, Sweden	ATR		56.9950N	15.9180E
Bredaryd, Sweden	BYD		57.0590	13.1630E
Delary, Sweden	DEL		56.4700N	13.8700E
	DEL1		56.4717N	13.8683E
Goteborg, Sweden	NE01		57.8010N	12.1320E
	GOT		57.6983N	11.9783E
Granbergs Dal, Sweden	GBD		59.4570N	14.5540E
Gunneruds- saetern, Sweden	GNN	Closed	60.1336N	13.6956E
Hagfors, Sweden	HFS		60.1342N	13.6956E
Array Site A1,	HFSA1		60.1383N	13.6955E
	B1, HFSB1		60.1382N	13.7011E
	B2, HFSB2		60.1431N	13.6988E
	B3, HFSB3		60.1433N	13.6884E
	B4, HFSB4		60.1384N	13.6860E
	B5, HFSB5		60.1351N	13.6935E

	C1, HFSC1		60.1344N	13.6968E
	C2, HFSC2		60.1335N	13.6973E
Hallstavik, Sweden	HVK		60.0090N	18.5660E
Hedekas, Sweden	HED		58.6800N	11.7780E
Horndal, Sweden	HRN		60.2500N	16.4860E
Karlskrona, Sweden	KLS	Closed	56.1650N	15.5917E
Katrineberg, Sweden	KTN		61.0660N	16.2840E
Kiruna, Sweden	KIR		67.8400N	20.4167E
Kurravaara, Sweden	KUA		67.9542N	20.3368E
Lund, Sweden	LUN	Closed	55.6983N	13.1867E
Mariestad, Sweden	MRE		58.6170N	13.7460E
Myrviken, Sweden	MYV		62.9417N	14.3467E
Nasudden, Sweden	NSD		65.1955N	18.8235E
Norderasen, Sweden	NOD		63.4428N	14.8573E
Nykoeping, Sweden	NYK		58.9240N	17.9010E
Oerkelljunga, Sweden	ORK		56.2680N	13.2620E
Olofstroem, Sweden	OLF		56.3080N	14.4700E
Skalstugan, Sweden	SKA	Closed	63.5800N	12.2800E

Staanga, Sweden	SGAS		57.3040N	18.4730E
Stoellet, Sweden	SLL		60.4756N	13.3197E
Tenhult, Sweden	TNU		57.6380N	14.2690E
Torsby, Sweden	TBY		60.0789N	12.8297E
Uddeholm, Sweden	UDD		60.0900N	13.6067E
Umea, Sweden	UME		63.1850N	20.2367E
Uppsala, Sweden	UPP		59.8583N	17.6267E
Vaermlands Nysaeter, Sweden	VNY		59.4040N	12.4820E
Vassijaure, Sweden	VAS	Closed	68.4167N	18.1833E
Veberoed, Sweden	VEB		55.5990N	13.5160E
Vimmerby, Sweden	VIM		57.7880N	16.0020E

## Switzerland

Aigle, Switzerland	AIGLE		46.3415N	6.9538E
Alpnach, Switzerland	APL		46.9496N	8.2428E
Bannalp, Switzerland	BNALP		46.8706N	8.4250E
Basel, Switzerland	BAS	Closed	47.5400N	7.5829E

Basel-Blauen, Switzerland	BBS		47.4644N	7.5092E
Berninapass, Switzerland	BERNI		46.4134N	10.0231E
Bourrignon, Switzerland	BOURR		47.3936N	7.2303E
Brig, Switzerland	BRI	Closed	46.3153N	7.9956E
Buchberg, Switzerland	BUB	Closed	47.7489N	8.6028E
Chur, Switzerland	CHU	Closed	46.8499N	9.5367E
Davos, Switzerland	DAVOS		46.8394N	9.7939E
	DAVON		46.8368N	9.7967E
Emosson, Switzerland	EMO	Closed	46.0481N	6.9619E
Emosson-Mur, Switzerland	EMS		46.0700N	6.9310E
Grand Dixence, Switzerland	DIX		46.0805N	7.4108E
Hasliberg, Switzerland	HASLI		46.7568N	8.1511E
Leukerbad, Switzerland	LKBD		46.3871N	7.6271E
Linthal- Limmern, Switzerland	LLS		46.8689N	8.9969E
Mattmark, Switzerland	MMK		46.0517N	7.9650E
Muotathal, Switzerland	MUO		46.9678N	8.6371E
Neuchatel, Switzerland	NEU	Closed	46.9973E	6.9573E
	NEC		47.0063N	6.9487E

Orbe, Switzerland	ORB	Closed	46.7167N	6.5167E
Ova Spin, Switzerland	OSS		46.4868N	10.1437E
Saentis, Switzerland	SAX		47.2507N	9.3449E
Schleitheim, Switzerland	SLE		47.7662N	8.4933E
Sierre, Switzerland	SIERE		46.3853N	7.4734E
Sion, Switzerland	SIS	Closed	46.2667N	7.3667E
Tamaro, Switzerland	TMA		46.1060N	8.8730E
Val di Lei, Switzerland	VDL		46.4865N	9.4698E
Wimmis, Switzerland	WIMIS		46.6650N	7.6242E
Zurich, Switzerland	ZLA		47.4821N	8.38932E
	ZUR	Closed	47.3687N	8.5804E
	ZUL		47.4814N	8.3903E

## Syria

Al Arnab, Syria	ARNB		35.8436N	35.9738E
Abu Kooc, Syria	KOOC		33.6592N	36.7633E
Abu Rabah, Syria	RABH		35.4354N	37.2054E
Badran, Syria	BDRN		33,3408N	36.3095E
Barbar, Syria	BRBR		33.4112N	35.9508E
Batrach, Syria	BTCH		36.0375N	36.4592E

Al Bayda, Syria	BIDA	35.0138N	36.3213E
Darwish U basi, Syria	DRWC	36.6211N	36.6667E
Haweek, Syria	HAWK	34.5167N	36.4053E
Al Jahlan, Syria	JHLN	35.6725N	38.4411E
Kafr Ra', Syria	KFRA	35.2125N	36.7996E
Quasiyum, Syria	QASN	33.5328N	36.2761E
Ra's al Marh, Syria	MARH	34.0261N	36.4817E
Salah, Syria	SALA	32.7112N	36.7329E
Al Salmeh, Syria	SLMH	36.2123N	37.9350E
Slinfah, Syria	SLNF	35.5954N	36.2228E
Tall Shihab, Syria	TCHB	32.6692N	35.9688E
Al Wahab, Syria	WHAB	35.9171N	37.5520E
Warideh, Syria	WRDH	35.5079N	36.4120
Az Zalaf, Syria	ZALF	32.9221N	37.3342E

## Taiwan

Taiwan	WFSB	25.0700N	121.7800E
	KNMB	24.4600N	118.3900E
	LYUB	22.0000N	121.5900E
	NACB	24.1800N	121.5900E

	SSLB	23.7900N	120.5900E
	TDCB	24.2600N	121.2600E
	TPUB	23.3000N	120.6300E
Alishan, Taiwan	ALS	23.5104N	120.8051E
Anpu, Taiwan	ANP	25.1865N	121.5202E
Ch'eng-kung, Taiwan	CHKT	23.0992N	121.3654E
Chenhua, Taiwan	TWY	25.2758N	121.5996E
Chia-i, Taiwan	CHY	23.4977N	120.4245E
Chia Wan, Taiwan	TWD	24.0800N	121.5955E
Chu-tung, Taiwan	TWR	24.6401N	121.0786E
Deng hu, Taiwan	PNG	23.5672N	119.5552E
Feng-lin, Taiwan	TWE	23.7367N	120.4255E
Hai-hu, Taiwan	TWZ	25.0970N	121.5790E
Heng-chun, Taiwan	HEN	22.0055N	120.7381E
Hsiaoliuchiu, Taiwan	TWP	22.3460N	120.3625E
Hsin-chu, Taiwan	HSN	24.8022N	120.9696E
Hsin-kang, Taiwan	HSI	23.1000N	121.3667E
Hsin-ying, Taiwan	TWK	23.2667N	120.4880E



Hua-lien, Taiwan	HWA	23.9770N	121.6050E
I-lan, Taiwan	ILA	24.7656N	121.7479E
Kao-hsiung, Taiwan	KAU	22.5679N	120.3080E
Kinmen, Taiwan	KNM	24.2500N	118.2600E
Kuan-yin Shan, Taiwan	TWS1	25.1008N	121.4177E
Kuosheng, Taiwan	TWX	25.1988N	121.6616E
Lamocks, Taiwan	LMC	23.2667N	117.2833E
Lanshu, Taiwan	TWI	22.0683N	120.5050E
Lan-yu, Taiwan	LAY	22.0837N	121.5506E
Lutao, Taiwan,	TWH	27.7103N	121.4773E
Ma-tsu, Taiwan	MTST	26.0900N	19.5600E
Mei-shan, Taiwan	TWO	23.5761N	120.5495E
	TWO1	23.5705N	120.5946E
Matsu, Taiwan	MTST	26.0524N	119.3336E
Mu-cha, Taiwan	TWA	24.9803N	121.5837E
Nei-hu, Taiwan	TWZ	25.0970N	121.5790E
P'eng-chia Yu, Taiwan	PCYT	25.6294N	122.0713E
Penghu, Taiwan	PNG	23.5672N	119.5552E

Pin-lang, Taiwan	TWG		22.8207N	121.0717E
San-tiao Chiao, Taiwan	TWB1		25.0083N	121.9883E
Shou-shan, Taiwan	TWM	Closed	22.6417N	120.2515E
Shou-shan, Taiwan	TWM1		22.6417N	120.2515E
Su-ao, Taiwan	TWC		24.6092N	121.8488E
Sun Moon Lake, Taiwan	SMLT		23.8830N	120.8999E
Tai-chung, Taiwan	TCU		24.1475N	120.6759E
Tai-nan, Taiwan	TAI		22.9952N	120.1970E
Taipeh, Taiwan	TATO		24.9754N	121.4881E
	TAP		25.0393N	121.5059E
Tai-tung, Taiwan	TTN		22.7540N	121.1465E
Ta-wu, Taiwan	TAW		22.3576N	120.8957E
	TWJ1		22.3696N	120.8838E
Tung-shi, Taiwan	TWQ		24.2747N	120.8358E
Yu-li, Taiwan	TWF	Closed	23.3492N	121.2958E
Yu-li, Taiwan	TWF1		23.3522N	121.2970E
Yu-shan, Taiwan	YUS		23.4893N	120.9517E

## Tajikistan

Akkuyli, Tajikistan	AKUL		38.4300N	68.5800E
Aurakhmat, Tajikistan	AUR	Closed	41.5833N	70.1167E
Boldzhuan, Tajikistan	BLD		38.3000N	69.6600E
Bogi-zagon, Tajikistan	BZN		38.4800N	69.8200E
Childara, Tajikistan	CHLD		38.7700N	70.3000E
Chor-Sady, Tajikistan	CSD		38.8500N	69.7800E
Chuian-Garon, Tajikistan	CGT		38.6500N	69.6237E
Chusal, Tajikistan	CHS	Closed	39.1000N	70.7667E
Gezan, Tajikistan	GEZ		39.4000N	67.7000E
Dushanbe, Tajikistan	DSH		38.5583N	68.7750E
Dzerino, Tajikistan	DZE		38.7800N	68.8300E
Dzhafr, Tajikistan	DZH	Closed	39.1000N	70.5833E
Dzhirgatal, Tajikistan	DZT		39.2200N	71.2200E
Galvasay, Tajikistan	GAY	Closed	41.5333N	69.9000E
Garm, Tajikistan	GAR		39.00000N	70.3167E
	GAM			
Gezan, Tajikistan	GEZ		39.4000N	67.7000E
Hisor, Tajikistan	GIS	Closed	38.4667N	68.5667E

Tajikistan				
Igron, Tajikistan	IGR		38.3000N	69.3000E
Ishtion, Tajikistan	ISH		38.8333N	70.7833E
Kaftarguzar, Tajikistan	KFTR		38.8300N	70.1500E
Kalaidasht, Tajikistan	KLD		38.5300N	69.4800E
Kangurt, Tajikistan	KNR		38.2500N	69.5300E
Karasu, Tajikistan	KRU		38.4800N	68.9700E
Khait, Tajikistan	KHAT		39.1700N	70.8800E
Khodzhikent, Tajikistan	KDK	Closed	41.6167N	69.9667E
Khorongon, Tajikistan	KHR	Closed	38.6667N	68.7833E
Khorug, Tajikistan	KHO		37.4833N	71.5333E
Komarou, Tajikistan	KMAS		39.1000N	70.2000E
	KOMA		39.1000N	70.4000E
Komsomolabad, Tajikistan	KMSS		38.9000N	69.9000E
	KOMS		38.9000N	69.9500E
Kulob, Tajikistan	KUL		37.9000N	69.7800E
Lyangar, Tajikistan	LNA		38.4000N	69.3500E
Murgab, Tajikistan	MUR		38.3667N	73.9333E
Napay, Tajikistan	NAP	Closed	41.7167N	70.1167E

Tajikistan				
Nurek, Tajikistan	NRK	Closed	38.4000N	69.3333E
Obigarm, Tajikistan	OBG		38.7167N	69.7167E
Osh, Tajikistan	OHH		40.5000N	72.8000E
Peshtova, Tajikistan	PSV		38.6000N	69.9000E
Ragun, Tajikistan	RAG		38.7000N	69.7800E
Regar, Tajikistan	RGR		38.5000N	68.2333E
Sangi-Kar, Tajikistan	SNGI		39.0300N	70.1300E
Sang-Tuda, Tajikistan	SAT	Closed	37.9667N	69.0333E
Semigandzh, Tajikistan	SGZ		38.6500N	69.0000E
Shaartuz, Tajikistan	SHTS		37.2667N	68.1333E
Shing, Tajikistan	SNI		39.3000N	67.8000E
Sultan-Mazar, Tajikistan	SMT	Closed	38.4667N	70.0667E
Tavil Dara Tajikistan	TDT	Closed	38.6833N	70.4833E
Tsipikan, Tajikistan	ZIP		54.5400N	113.1800E
Turbat, Tajikistan	TUR	Closed	41.7333N	69.6500E
Ura-Tyube, Tajikistan	URT		39.9167N	69.0167E

Yaldymych, Tajikistan	YAT	Closed	39.0500N	70.4300E
Zimchurud, Tajikistan	ZIM	Closed	38.7607N	68.8000E

## Tanzania

Arusha, Tanzania	ARTT	Reserved	2.7256S	36.2817E
Dodoma, Tanzania	DOD	Closed	6.2083S	37.7556E
Itaka, Tanzania	ITKT	Reserved	8.8728S	32.7830E
Itumba, Tanzania	ITBT	Reserved	9.4287S	33.1858E
Mbeya, Tanzania	MBAT	Reserved	8.8740S	33.4528E
Mzuzu, Tanzania	MZM	Reserved	11.2600S	34.0100E
Panda Hill, Tanzania	PDHT	Reserved	8.9832S	33.2417E
Tunduma, Tanzania	TDMT	Reserved	9.2962S	32.7712E
Univ. Of Dar es Salaam, Tanzania	TZN			

## Thailand

Bhumibol Dam, Thailand	BDT		17.2443N	99.0030E
Meteorological Department, Bankok, Thailand	BKK			
Chiang Mai,	CHG		18.7900N	98.9769E

Thailand	CHTO	18.7900N	98.9769E
Array Beam Reference Point	CMAR	18.4575N	98.9429E
Array	CM01	18.4205N	98.9588E
	CM02	18.4344N	98.9466E
	CM03	18.4263N	98.9762E
	CM04	18.3997N	98.9789E
	CM05	18.4013N	98.9451E
	CM06	18.4056N	98.9406E
	CM07	18.4337N	98.9304E
	CM08	18.4453N	98.9577E
	CM09	18.4439N	98.9908E
	CM10	18.4298N	98.0019E
	CM11	18.3756N	98.9604E
	CM12	18.4061N	98.9254E
	CM13	18.4211N	98.9069E
	CM14	18.4361N	98.9136E
	CM15	18.4524N	98.9245E
	CM16	18.4575N	98.9429E
	CM17	18.4577N	98.9624E
	CM18	18.4601N	98.9830E
	CM31	18.4575N	98.9429E
	CM32	18.6533N	98.8469E
	CM33	18.8177N	98.9466E
	CM34	18.8511N	98.1498E

	CM35		18.6781N	98.1539E
	CM36		18.5182N	98.0954E
Kanchanaburi, Thailand	KBR		14.0167N	99.5333E
Khao Laem Dam, Thailand	KHT		14.7848N	98.5925E
Lampang, Thailand	LPT	Closed	18.21621N	65.5500E
Loei, Thailand	LOE		17.4063N	101.7298E
Nakhon Sawan, Thailand	NST		15.6727N	100.1330E
Nong Plab, Thailand	NNT		12.5848N	99.7338E
Pak Chong, Thailand	PCT		14.6808N	101.4110E
Songkhla, Thailand	SNG		7.1770N	100.6165E

## Togo

Lome, Togo	LOM		6.1217N	1.2133E
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## Tonga

Monasavu, Tonga	MSV		17.4528S	178.0316E
Nukualofa, Tonga	NUK		21.1320S	175.9281W
Niumate, Tonga	NIU		21.1600S	175.2900E
Teekin, Tonga	TEK		21.1297S	175.3217E
Tongatapu, Tonga	TNGT		21.1500S	175.1800E



Vava'u Tonga	VAVA		18.6600S	173.9800E
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Tristan da Cunha	TRIS			
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## Tunisia

Baltah, Tunisia	BLIT		36.7130N	8.9528E
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Berda, Tunisia	BERT		34.2410N	9.0118E
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Gafsa, Tunisia	GAF	Reserved	34.4167N	8.8000E
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	GFA		34.3382N	9.7265E
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Ghardimaou, Tunisia	GHAT		36.4958N	8.3048E
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Jabal bu Thady, Tunisia	BTHT	Reserved	35.1323N	10.2852E
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Kechabta, Tunisia	KCHT		37.1100N	9.9400E
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Krib, Tunisia	KRIT		36.3383N	9.0748E
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Marith, Tunisia	MART		33.5768N	10.2495E
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Meda, Tunisia	MEDT		34.1082N	9.9203E
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Menzel Bouzelfa, Tunisia	MBZ		36.6800N	10.6700E
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Oum el Arais, Tunisia	OAR		34.5317N	8.3968E
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Sidi Bou Said, Tunisia	SBS		36.8700N	10.3500E
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Sidi Gnaou, Tunisia	SGNT		33.6608N	9.8702W
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Sidi Yaiche, Tunisia	SYA		34.7418N	8.8070E
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Thala, Tunisia	THA	Reserved	35.5603N	8.6997E
Trozza, Tunisia	TROT		35.5617N	9.6002E
Tunis, Tunisia	TUN	Closed	36.8000N	10.1333E
Zaghouan, Tunisia	ZGN		36.3700N	10.1000E

## Turkey

Turkey	ANTT		36.2203N	36.1569E
Turkey	KMST		37.5329N	36.9936E
Turkey	GZZT		37.0361N	37.3125E
Abant, Turkey	ABT		40.6058N	31.3208E
Acsaugic arikuru, Turkey	ASAT		40.6936N	30.7439E
Adana, Turkey	ADT	Closed	37.0638N	35.3550E
	ADAT		37.0623N	35.3550E
Agin, Turkey	AGN		38.9492N	38.7153E
Agri, Turkey	AGRT		39.6088N	42.9870E
Akakoca, Turkey	AKC	Closed	40.0244N	32.1808E
Akkus, Turkey	AKKT	Closed	40.7844N	37.0136E
Akyazi, Turkey	AKY	Closed	40.6630N	30.6594E
Altintas, Turkey	ALT		39.0552N	30.1103E
Ankara, Turkey	ANK		39.9167N	32.8167E
	ANTO		39.8689N	32.7936E
Arif, Turkey	ARF		36.2161N	28.1261E

Asagiarikuru, Turkey	ASAT	40.6936N	30.7439E
Augin, Turkey	AGN	38.9492N	38.7153E
Aydincik, Turkey	AYK	36.1522N	33.3269E
Ayseler, Turkey	AYS	36.8955N	31.5736E
Bakacak, Turkey	BKT	40.1420N	29.1360E
Bandirma, Turkey	BNT	40.3561N	27.9200E
Belbasi, Turkey	BBTK	39.8422N	32.7603E
Array Reference Point	BRAR	39.8535N	32.7608E
Array Site 0	BR00	39.8535N	32.7608E
Array Site 1	BR01	39.8417N	32.7601E
Array Site 2	BR02	39.8488N	32.7654E
Array Site 3	BR03	39.8334N	32.7656E
Array Site 4	BR04	39.8409N	32.7413E
Array Site 5	BR05	39.8481N	32.7469E
Array Site 6	BR06	39.8533N	32.7483E
Bingol, Turkey	BINT	38.8758N	40.4890E
Birlis, Turkey	BTLK	38.4070N	42.1060E
Bitlis, Turkey	BTLK	38.4070N	42.1060E
Borcka, Turkey	BCA	41.4450N	41.6223W
Boyabat, Turkey	BOYT	41.4206N	34.9036W

	BYBT		41.4685N	34.7667E
Bozkurt, Turkey	BOYT		41.9633N	34.0075E
Bucak, Turkey	BCK		37.4608N	30.5890E
Bunyan, Turkey	BNN		38.8520N	35.8460E
Catak, Turkey	CTK		40.6900N	34.8261E
Catalca, Turkey	CTT		41.1473N	28.4297E
Cemiskezik, Turkey	CEM		39.0578N	38.9233E
Cine, Turkey	CIN		37.6000N	28.0867E
Corum, Turkey	CTKT		40.6231N	34.7897E
Daday, Turkey	BALT		41.5342N	33.3858E
Demi Kopru, Turkey	DKP		38.6142N	28.3128E
Demirkoy, Turkey	DMK		41.8216N	25.7572E
Demirtas, Turkey	DMT	Closed	40.2750N	29.0972E
Devrek, Turkey	DVR		41.1594N	32.0075E
Diyarbakir, Turkey	DIY		37.9085N	40.2280E
Duragan, Turkey	DGT		41.4258N	35.0655E
Dursunbey, Turkey	DRB	Closed	39.5811N	28.6374E
	DST		39.6055N	28.6280E
Edincik, Turkey	EDC		40.3468N	27.8634E
Elazig, Turkey	ELZ	Closed	38.6894N	39.2064E

	ELA	Closed	38.6833N	39.2333E
Eldivan, Turkey	ELDT		40.4900N	33.4269E
Elmali, Turkey	ELL		36.7483N	29.9085E
Erciyes, Turkey	ERCT		38.6031N	35.5142E
Erdek, Turkey	ERD	Closed	40.4000N	27.8000E
Erzurum, Turkey	ERZ	Closed	39.9150N	41.2767E
	ERZT	Closed	39.9067N	41.2533E
Esentepe, Turkey	ESE		40.7556N	30.3242E
Eskiyayla, Turkey	EYL		40.5660N	30.1575E
Erzincan, Turkey	EZC		39.7480N	39.8160E
Erzurum, Turkey	EZM		39.9004N	41.2289E
Ezine, Turkey	EZN		39.8258N	26.3253E
Fatmalar, Turkey	FAT		36.9065N	31.5136E
Gaziantep, Turkey	GAZ		37.1721N	37.2113E
Gebze, Turkey	GBZT		40.7889N	29.4450E
	GEB	Closed	40.8186N	29.4222E
Gonen, Turkey	GET	Closed	40.1083N	27.5667E
Golpazari, Turkey	GPA		40.2889N	30.3094E
Goynuk, Turkey	GYN		40.3533N	30.7264E
Gaziantep, Turkey	GZT		37.1356N	37.1375E

	GZTT		37.0361N	37.3125E
Hendek, Turkey	HENT		40.8231N	30.8992E
Hereke, Turkey	HRT		40.8217N	29.6680E
Hatay, Turkey	HTY		36.1212N	36.1378E
Isikli, Turkey	IKL		36.2386N	33.6853E
Iskenderum, Turkey	COBT		36.5197N	36.2556E
Isparta, Turkey	ISP			
Istanbul, Turkey	TBZ	Closed	40.9944N	39.7761E
	ISK		41.0656N	29.0592E
	ITU		41.1062N	29.0148E
	IST	Closed	41.0456N	28.9958E
Izmik, Turkey	IZN		40.4338N	29.7605E
Izmir, Turkey	IZM		38.3978N	27.2625E
Iznik, Turkey	IZI		40.3368N	29.4728E
Kandira, Turkey	KND	Closed	41.0527N	30.1608E
Karabiga, Turkey	KGT		40.4517N	27.3033E
Karacabey, Turkey	KCT		40.2656N	28.3567E
Karadeniz Ereglisi, Turkey	KDE		41.2889N	31.4250E
Karahalli, Turkey	KHL		38.3232N	29.5232E
Karam Aursel, Turkey	KMS	Closed	40.6727N	29.5911E

Karci, Turkey	KART Closed	41.1697N	34.3056E
Kars, Turkey	KARS	40.6123N	43.0927E
Kastamonu, Turkey	KAS	41.3717N	33.7667E
Kavak, Turkey	KVT	41.0806N	36.0464E
Kayrak, Turkey	KYR	36.3517N	33.5253E
Keban, Turkey	KEB	38.7978N	38.7278E
Keltepe, Turkey	KLT	40.6435N	30.1006E
Keskin LP Array			
Site 1	BRL01 Reserved		
Kirac-tepe, Turkey	KRCT Closed	41.0814N	32.8792E
Kirikhan, Turkey	KRH Closed	36.4922N	36.3466E
	KMST	37.5329N	36.9936E
Kolay, Turkey	KOL	41.4243N	35.7961E
Lapseki, Turkey	LPK	40.3727N	26.7602E
Malataya, Turkey	MYA	38.3134N	38.4273E
Malatya, Turkey	MLTT Closed	38.3542N	38.3617E
Mengen, Turkey	MGN Closed	40.9247N	32.1813E
Mudurnu, Turkey	MUT Closed	40.4647N	31.2119E
	MDU	40.4653N	31.2145E
Murafatepe, Turkey	MRFT Closed	40.5036N	33.4547E
Murefte, Turkey	MFT	40.7867N	27.2813E

Nallihan, Turkey	NAL		40.2094N	31.3092E
Palu, Turkey	PLU		38.7000N	39.9308E
Perc sembe, Turkey	PERT		41.0792N	37.7358E
Pertec, Turkey	PTK			
Raman, Turkey	RAM		37.7658N	41.2925E
Sevinc, Turkey	SGT		36.9438N	31.5008E
Seydisehir, Turkey	SYT	Closed	37.3047N	31.8750E
Silifke, Turkey	SLF		36.2386N	33.6852E
Sivas, Turkey	SVST		39.7722N	36.9361E
Sivrigoynuk Turkey	SGKT		40.5733N	32.0561E
Susurluk, Turkey	SLK	Closed	39.8711N	28.1450E
Taslic, Turkey	TST	Closed	40.2483N	28.3733E
Tekirdag, Turkey	TDAG		40.9903N	27.5344E
Tekketepe, Turkey	TKTP		38.0400N	30.3200E
Tokat, Turkey	TOKT		40.3203N	36.5448E
Tokmak, Turkey	TTK		39.7650N	28.0450E
Tunceli, Turkey	TNC		39.1083N	39.5533E
Turhal, Turkey	TRHT		40.3497N	36.1778E
Uludag, Turkey	ULDT		40.1422N	29.1361E



Uzumlu, Turkey	UZU		39.7086N	39.6981E
Van, Turkey	VNT	Closed	38.5169N	43.3844E
	VANT		38.4450N	43.3888E
Vezirk Aopru, Turkey	VEZ		41.1305N	35.4627E
Yalova, Turkey	YLV		40.5667N	29.3728E
Yamanlar, Turkey	YAMN		38.5531N	27.1575E
Yerkesik, Turkey	YER		37.1347N	28.2828E
Zonguldak, Turkey	ZGT	Closed	41.4508N	31.7611E

## Turkmenistan

Alibek, Turkmenistan	ABKT		37.9304N	58.1189E
Argan-Ata, Turkmenistan	AGAS		40.0000N	61.9000E
Ashgabat, Turkmenistan	ASH		37.9500N	58.3500
Bayram-Ali, Turkmenistan	BAT	Closed	37.6000N	62.1167E
Chagyl, Turkmenistan	CAGS		40.7820N	55.3860E
Chardzhou, Turkmenistan	CHDS		39.0750N	63.5930E
Garrygala, Turkmenistan	GARG		38.4390N	56.2730E
Gyaurs, Turkmenistan	GAUS		37.9320N	58.9100E
Gyzylarbat, Turkmenistan	GZLA		37.6750N	54.7650E

Gyzylarbat, Turkmenistan	KAT		39.0280N	56.2700E
Kaushut, Turkmenistan	KAH		37.4500N	59.4830E
Krasnovodsk, Turkmenistan	KRF		40.0130N	53.0030E
Manysh, Turkmenistan	MNYS		37.7720N	58.6080E
Mary, Turkmenistan	MRY	Closed	37.6000N	61.8667E
Nebitdag, Turkmenistan	NBD		39.5100N	
Sarykul, Turkmenistan	SA1		38.2000N	58.4000E
Vannovskaya, Turkmenistan	VAN		37.9480N	58.1080E

## Tuvalu

Funafuti, Tuvalu	FUNA			
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## Uganda

Entebbe, Uganda	ENT		0.0589N	32.4733E
Hoima, Uganda	HOI		1.4180N	31.3420E
Kilembe, Uganda	KIL		0.2000N	30.0080E
Mbarra, Uganda	MBAR		0.6019S	30.7382E

## United Kingdom

England, U.K.	ABE		57.1667N	2.1000W
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	EAB		56.1881N	4.3400W
	EAU		55.8454N	3.4474W
Alders End, England, U.K.	HAE		52.0376N	2.5475W
Allendale, England, U.K.	XAL		54.8617N	2.2147W
Ashford Hill, England, U.K.	AFH		51.3439N	1.2197W
Barham, England, U.K.	BHM		51.2128N	1.1742E
Bidston, England, U.K.	BID	Closed	53.4000N	3.0667W
Bingley Moor, England, U.K.	BMV		53.8698N	2.8185W
Blacknest, England, U.K.	BKN		51.3642N	1.1869W
Bonnylands, England, U.K.	HBL2		52.0508N	3.0384W
Bowland, England, U.K.	LBO		53.9790N	2.5728W
Brentwood, England, U.K.	TBW		51.6549N	0.2911E
Bruntsheil, U.K.	BBH		55.1333N	2.9299W
Bucklebury West, England, U.K.	BUW		51.4094N	1.2244W
Burn, England, U.K.	BUWY		53.7429N	1.0655W
Cassop, England, U.K.	LCP		54.7368N	1.4741W
Charnwood Forest, England, U.K.	CWF		52.7383N	1.3073W

Chilbolton, England, U.K.	CLB	51.1436N	1.4328W
Colchester, England, U.K.	TCR	51.8349N	0.9125E
Combe Farm, England, U.K.	DCO	50.3200N	3.8724W
Crook, England, U.K.	LCK	54.3595N	2.8715W
Cushendall, England, U.K.	GCL	55.0760N	6.1300W
Dent Fell, England, U.K.	XDE	54.5058N	3.4897W
Dobcross Hall, England, U.K.	BDL	54.8030N	2.9385W
Durham, England, U.K.	DUR	54.7684N	1.5850W
East Anglia University, England, U.K.	AEU	52.6201N	1.2347E
Eastbourne, England, U.K.	TEB	50.8188N	0.1459E
Exmoor, England, U.K.	HEX	51.0668N	3.8025W
Fairbourne, England, U.K.	WFB	52.6830N	4.0378W
Guildford, England, U.K.	GILD	Closed	51.2500N 0.5833W
Hartland, England, U.K.	HTL	50.9944N	4.4850W
Hasselmere, England, U.K.	SFH	51.0604N	0.6912W
Haverah Park, England, U.K.	HPK	53.9580N	1.6241W

Headley, England, U.K.	HEA	51.3583N	1.2639W
High Hoyland, England, U.K.	HHWY	53.5867N	1.5974W
Holmfirth, England, U.K.	LHO	53.5451N	1.8548W
Hoy, England, U.K.	OHO	58.8321N	3.2461W
Jersey, England, U.K.	JRS	49.1924N	2.0917W
Isle of Man, England, U.K.	WIM	54.1472N	4.6735E
Isle of Wight, England, U.K.	SIW	50.6711N	1.3747W
Keswick, England, U.K.	CKE	54.5877N	3.1059W
Kew, England, U.K.	KEW	51.4683N	0.3131W
Keyworth, England, U.K.	KEY2	52.8790N	1.0770W
Kirkby Lonsdale, England, U.K.	LKL	54.2185N	2.5345W
Lampeter, England, U.K.	LPW	52.1136N	4.0681W
Leeds Univ. England, U.K.	LDU	53.8025N	1.5553W
Les Platons, Channel Islands, England, U.K.	JLP	49.2428N	2.1039W
Liverpool, England, U.K.	LVR	53.4167N	2.9333W
Longridge, England, U.K.	LLO	53.8503N	2.5598W

Lytham-St. Anne's, England, U.K.	LLY	53.7976N	2.9069W
Market Rasen, England, U.K.	LMK	53.4569N	0.3266W
Mendips, England, U.K.	SMD	51.3083N	2.7170W
Menerdue Farm, England, U.K.	CME	50.1760N	5.1903W
Middlesmore, England, U.K.	MMY	54.1758N	1.8689W
Millom, England, U.K.	LMI	54.2206N	0.3070W
Morecambe B102, England, U.K.	LBH	54.0324N	2.9058W
Mourne Mountains, England, U.K.	GMM	54.2390N	5.9510E
Mull of Kintyre, England, U.K.	GMK	55.3459N	5.5936W
North Isle of Man, U.K.	GIM	54.2923N	4.4670W
Oxenhope Moor, England, U.K.	OMWY	53.7909N	1.9799W
Oxford, England, U.K.	OXD	51.7667N	1.2500W
Pembroke, Wales, U.K.	HPE	51.9371N	4.7745W
Penzance, U.K.	CPZ	50.1560N	5.5835W
Porton East, England, U.K.	POE	51.1447N	1.6539W
Porton South, England, U.K.	POS	51.1386N	1.6333W

Porton East, England, U.K.	POE	51.1447N	1.6539W
Porton South, England, U.K.	POS	51.1381N	1.6333W
Queensbury, England, U.K.	QMB	53.7650N	1.8575W
Richmond, England, U.K.	LRN	54.4167N	1.7858W
Rhiw, Wales, U.K.	YRH	52.8335N	4.6289W
Rosemanowes, England, U.K.	CRQ	50.1708N	5.1864W
2,	CRQ2	50.1669N	5.1687W
Queensbury, England, U.K.	QMB	53.7650N	1.8575W
Queens East, Channel Islands, U.K.	JQE	49.2000N	2.0383W
Saint Auben, Channel Islands, England, U.K.	JSA	49.1879N	2.1709W
Saint Breward, England, U.K.	SBD	50.5653N	4.6856W
Scaffel, England, U.K.	CSF	54.4478N	3.2430W
Sharpitor, England, U.K.	SHT	50.5106N	4.0356W
Shide, England,	SHID	50.6833N	1.2833W
Sourhope Farm, England, U.K.	XSO	55.4925N	2.2511W
South Creake, England, U.K.	SCK	52.8797N	0.7506E

Stonyhurst, England, U.K.	STO		53.8500N	2.4667W
Stow on the Wold, England, U.K.	SSW		51.9667N	1.8499W
Stronsay, England, U.K.	OST		59.0860N	2.5516W
Syston, England, U.K.	KSY	Closed	52.9642N	0.5873W
Talkin, England, U.K.	BTA		54.9057N	2.6844W
Ufford, England, U.K.	KUF		52.6175N	2.3895W
Valle de La Mare, Channel Islands, England, U.K.	JVM		49.2169N	2.2068W
Warminster, England, U.K.	SWK		51.1483N	2.2471W
Weaver Farm, England, U.K.	KWE		53.0163N	1.8435W
West Bromwich, England, U.K.	WBE	Closed	52.5333N	2.0000W
Westray, England, U.K.	OWE		59.3180N	3.0289W
Whinburgh, England, U.K.	AWH		52.6300N	0.9511E
Whinny Nab, England, U.K.	LWH		54.3335N	0.6714W
Wolverton, England, U.K.	WON		51.3275N	1.2008W
Wolverton North, England, U.K.	WOL		51.3127N	1.2228W
Yadsworthly,	DYA		50.4352N	3.9309W



England, U.K.				
Yorkshire, England, U.K.	YSNY		42.4758N	78.5375W
Sombrero, Anguila, U.K.	SWP		18.5980N	63.4263W
O'Higgins, Anarctica, U.K.	OHC		63.3333S	57.9000W
Marguerite Bay, Antarctica,U.K.	ANC		68.1944S	67.0000W
Boggy Peak, Antigua, U.K.	BPA		17.0460N	61.8570W
Ascension, Is. U.K.	ASCN		7.9327S	14.3601W
Bermuda-- Columbia, Bermuda, U.K.	BEC		32.3794N	64.6811W
Bermuda-Navy, Bermuda, U.K.	BEN	Closed	32.2697N	64.8536W
Grand Cayman, Cayman Islands	GCM		19.2897N	81.3814W
Christmas Island, U.K.	XMI		10.4550S	105.6900E
Falkland Islands, U.K.	FLK		51.8365S	58.4465W
East Falkland Island, U.K.	EFI		51.6753S	58.0637W
Port Stanley, Falkland Islands, U.K.	PSF		51.7000S	57.8667W
Diego Garcia, U.K.	DGAR			
Beqa, Fiji Islands, U.K.	BQA		18.3786S	178.1350E
Bua, Fiji	MBU		16.9728S	178.7217E

Islands, U.K.					
Delaikoro, Fiji Islands, U.K.	NDE	Closed	16.5860S	179.3176E	
Galoa, Fiji Islands, U.K.	NGA		18.1919S	177.9979E	
Kandavu Island, Fiji Islands, U.K.	KDV		18.9655S	178.3467E	
Koro, Fiji Islands, U.K.	KRO		17.3141S	179.3916E	
Magodro, Fiji Islands, U.K.	MGO		17.7925S	177.7400E	
Monasavu, Fiji Islands, U.K.	MSVF		17.7333S	178.0500E	
Naboro, Fiji Islands, U.K.	NAF	Closed	18.1203S	178.3008E	
Nadi, Fiji Is., U.K.	NDF		17.7569S	177.4500E	
Namosi, Fiji Islands, U.K.	NMS		18.0842S	178.1650E	
Nasaga, Fiji Islands, U.K.	NAS		16.5367N	179.2967E	
Nasaqua, Fiji Islands, U.K.	NAS		16.5367S	179.2967E	
Nausori Highlands, Fiji Islands, U.K.	NHF	Closed	17.8083S	177.5967E	
Ovalau, Fiji Islands, U.K.	OVA		17.6862S	178.7837E	
South Ridge, Fiji Islands, U.K.	SGE		17.5892S	177.9233E	

Suva, Fiji	SUV	18.1489S	178.4572E
Islands, U.K.	SVA	18.1164S	178.4578E
Taveuni, Fiji	TVI	16.9259N	179.9593E
Islands, U.K.			
Teekin, Fiji	TEK	21.1297S	175.3217W
Islands, U.K.			
Viti Levu,	NMF	18.0058S	178.1600E
Fiji Islands,			
U.K.			
Udu Point,	UDU	16.1521S	179.9880E
Fiji Islands,			
U.K.			
Vunidawa, Fiji	VDW	17.8336S	178.2528E
Islands, U.K.			
Vunikawai, Fiji	VUN	18.0072S	178.4633E
Islands, U.K.			
Yasawairara,	YSA	16.6980S	177.5777E
Fiji Islands,			
U.K.			
Isle of Man,	WIM	58.1472N	4.6735W
U.K.			
North Isle of	GIM	54.2923N	4.4670W
Man, U.K.			
Jersey, U.K.	JRS	49.1924N	2.0917W
Saint Aubin,	JSA	49.1879N	2.1709W
Jersey, U.K.			
Wield Dalam	WDD	35.8670N	14.5230E
Malta, U.K.			
Mauritius Is.,	MRI	20.1000S	57.5300E
U.K.			
Bethel,	MBET	16.7414N	62.1631W
Montserrat, U.K.			
Grove,	MWF	16.7130N	62.2220W
Montserrat, U.K.			

Saint George's MGH Hill, Montserrat, U.K.		16.7200N	62.2160W
Belfast, Northern Ireland, U.K.	BFT	25.4112N	30.0236W
Cushenhall, Northern Ireland, U.K.	GCL	55.0760N	6.1300W
Mourne Mountains, Northern Ireland	GMM	54.2390N	5.9510W
Hoy, Orkney Islands, U.K.	OHO	58.8321N	3.2461W
Stronsay, Orkney Islands, U.K.	OST	59.0860N	2.5516W
Vanua-Lava, New Hebrides	VLN	13.5312S	167.3230E
Northern Ireland	DBS		
Belfast No. Ireland, U.K.	BFT	25.4112N	30.0236E
Cushenhall, No. Ireland, U.K.	GCL	55.0760N	6.1300W
Mourne Mts., Northern Ireland, U.K.	GMM	54.2390N	5.9510W
Hoy, Orkney Islands, U.K.	OHO	58.8321N	3.2461W
Stronsay, Orkney Islands, U.K.	OST	59.0860N	2.5516W
Westray,	OWE	59.1380N	3.0289W

Orkney Islands,  
U.K.

St. Helena Island, U.K.	SHEL	15.9588S	5.7457W
	SHLN Closed	15.9167S	5.7333W
St. Kitts, U.K.	STKP	17.3800N	66.8270W
2,	SKDB	17.3969N	62.8083W
Bayfords St. Kitts, U.K.	SKI	17.3333N	62.7390W
Brimstone Hill, St. Kitts, U.K.	BSK	17.3470N	62.8400W
Hardtimes Estate, St. Kitts and Nevis	NEV	17.1361N	62.5710W
Baleine, Saint Vincent, U.K.	SVL	13.3680N	61.2040W
Barnard House, St. Vincent, U.K.	BHS	13.2963N	61.1272W
Baleine, Saint Vincent, U.K.	SVL	13.3680N	61.2040W
Belfond, Saint Vincent, U.K.	SLB	13.4933N	61.0227W
Belmont, St. Vincent U.K.	SVB	13.2720N	61.2520W
Camden Park, Saint Vincent, U.K.	SVT	13.1680N	61.2450W
Crater Summit, Saint Vincent, U.K.	SSV	13.3270N	61.1930W
Fancy Village, Saint Vincent	SFAN	13.3838N	61.1721W
Fort Charlotte, St. Vincent, U.K.	FCV	13.1570N	61.2450W

Indian Gallows,SVG Saint Vincent, U.K.		13.2450N	61.2780W
Orange Hill, OHS St. Vincent, U.K		13.3170N	61.1480W
Owia, Saint SOA Vincent, U.K.		13.3735N	61.1486W
Questelles SVI Point, ST. Vincent, U.K.	Closed	13.1700N	61.2580W
Radio Antilles,RSV Saint Vincent, U.K.		13.3070N	61.2360W
Rilland Hill, SRH Saint Vincent, U.K.		13.1860N	61.2540W
Wallibou, SVV Souffriere Volcano, Saint Vincent, U.K.		13.3180N	61.2160W
Achnashellach, KAC Scotland, U.K.		57.4999N	5.2982W
Aberdeen, ABE Scotland, U.K.		57.1667N	2.1000W
Aberfoyle, EAB Scotland, U.K.		56.1881N	4.3400W
Auchinoon, EAU Scotland, U.K.		55.8454N	3.4474W
Brabster, OBR Scotland, U.K.		58.6142N	3.1623W
Black Hill, EBH Scotland, U.K.		56.2481N	3.5081W
Broadlaw, EBL Scotland, U.K.		55.7733N	3.0436W
Cape Wrath, RCR		58.6240N	4.9986W

Scotland, U.K.			
Castle Douglas, GCD Scotland, U.K.		54.8638N	3.9417W
Cauldcaine Hill, Scotland, U.K.	ECK	55.1811N	3.1272W
Coleburn Distillery, Scotland, U.K.	MCD	57.5828N	3.2450W
Dochefour, Scotland, U.K.	ESK	55.3167N	3.2050W
Dundee, Scotland, U.K.	EDU	56.5475N	3.0412W
Drumtochty, Scotland, U.K.	EDR	56.9189N	2.5391W
Edinburgh, Scotland, U.K.	IGS		
	BGS		
	EDI	55.9233N	3.1861W
Eisghbrachaidh, Scotland, U.K.	REB	58.1188N	5.2822W
Eskdalemuir, Scotland, U.K.	EKA	55.3331N	3.1592W
	EKB	55.3339N	3.1923W
site B4	EKB4	55.3317N	3.1611W
Fishsrie, Scotland, U.K.	MDO	57.4410N	4.3630W
	MFI	57.6116N	2.2953W
Forsnaval, Scotland, U.K.	RFO	58.2133N	7.0052W
Gala Law, Scotland, U.K.	EGL	55.8617N	2.7383W
Kyle, Scotland, U.K.	KYL Closed	57.3197N	5.6506W

Lerwick, Scotland, U.K.	LRW	60.1359N	1.1779W
Logiealmond, Scotland, U.K.	ELO	56.4706N	3.7119W
Mullof Kintyre, Scotland, U.K.	GMK	55.3459N	5.3936W
Plockton, Scotland, U.K.	KPL	57.3391N	5.6527E
Reay, Scotland, U.K.	ORE	58.5840N	5.7622W
Rhenigidale, Scotland, U.K.	RRH	57.9197N	6.6882W
Rubha Reidh, Scotland, U.K.	RRR	57.8577N	5.8067W
Sandwick, Scotland, U.K.	SANU	60.0176N	1.2386W
Scourie, Scotland, U.K.	RSC	58.3485N	5.1684W
Scoval, Scotland, U.K.	KSK	57.4653N	6.7020W
Sheil Bridge, Scotland, U.K.	KSB	57.2098N	5.4230W
Sourhope Farm, Scotland, U.K.	XSO	55.4925N	2.2511W
Stonypath, Scotland, U.K.	ESY	55.9178N	2.6144W
Stronsay, Scotland, U.K.	OST	59.0509.6N	2.3305.8W
Tolsta, Scotland, U.K.	RTO	58.3778N	6.2092W
Tongue, Scotland, U.K.	OTO	58.4953N	4.3940E
Walls,	WALU	60.2576N	1.6133W



Scotland, U.K.

Yell, Scotland, YELU 60.5509N 1.0830W  
U.K.

Mahe, SEY1 Closed 4.6750S 55.4908E  
Seychelles,  
U.K.

Mahe Island, MSEY 4.6737S 55.4792E  
Seychelles,  
U.K. SEYC 4.0833S 55.0833E

Auki, Solomon AUK 8.7617S 160.7033E  
Islands, U.K.

Boisen, BOI 4.1116S 152.1158E  
Solomon  
Islands, U.K.

Gizo, Solomon GIZ 8.0986S 156.8417E  
Islands, U.K.

Honiara, HNR 9.4322N 159.9471E  
Solomon Islands

Labete, LBT 8.3167S 157.2667E  
Solomon  
Islands, U.K.

Mount Bagana, BGA 6.0900S 155.1048E  
Solomon Is.,  
U.K.

Piva, Solomon PIV 6.1200S 155.0330E  
Islands, U.K.

Reko, Solomon RKS 9.1564S 159.8081E  
Islands, U.K.

Savo, SVO 9.1500S 159.8150E  
Guadalcanal,  
Solomon  
Islands, U.K.

Visale, VSG 9.2528N 159.7125E  
Solomon  
Islands, U.K.

Woodlark WDIS 9.0506S 152.4308E

Island, Solomon Islands, U.K.			
Hope Point, South Georgia, U.K.	HOPE	54.2836N	36.4879W
King Edward Point, South Georgia, U.K.	KEP	54.2800S	36.4800W
Arctowski Station, South Shetland Islands, U.K.	AAS	62.0936S	58.2745E
Sejong Station, South Shetland, U.K.	SEJ	62.1315S	58.4510W
Bacolet, Tobago, Trinidad and Tobago, U.K.	BOT	11.1667N	60.7179W
Brigand Hill, Trinidad and Tobago, U.K.	TBH	10.4840N	61.0670W
Chacachacare, Trinidad and Tobago, U.K.	TCE	10.6970N	61.7530W
Crown Point, Tobago, Trinidad and Tobago, U.K.	TOB	11.1410N	60.8410W
Grange, Trinidad and Tobago, U.K.	GNG	11.1770N	60.7980W
Matura, Trinidad and Tobago, U.K.	TTR	10.6740N	61.0660E
Pico Espejo, Trinidad and Tobago	PMV	8.5333N	71.0500W

Pigeon Point, Tobago, Trinidad and Tobago, U.K.	PIG		11.1610N	60.8410E
Plymouth, Tobago, Trinidad and Tobago, U.K.	PLY		11.2170N	60.7790W
Pointe-a- Pierre, Trinidad and Tobago, U.K.	TPP		10.3170N	61.4510E
Pointe Lisas, Trinidad, Trinidad and Tobago, U.K.	PLS	Closed	10.4130N	61.4900E
Prospect, Tobago, Trinidad and Tobago, U.K.	TPR		11.1860N	60.1770E
St. Augustine, Trinidad and Tobago, U.K.	TRN		10.6480N	61.4030W
Signal Hill, Trinidad and Tobago, U.K.	SIH		11.1714N	60.7708W
Berrybasle, Wales, U.K.	BYB		51.8994N	5.0958W
Bronaber, Wales, U.K.	WBR		52.8560N	3.8941W
Craig Goch, Wales, U.K.	HCG		52.3225N	3.6567W
Fairbourne, Wales, U.K.	WFB		52.6830N	4.0378W
Gray Hill, Wales, U.K.	HGH		51.6380N	2.8064W
Lampeter, Wales, U.K.	LPW		52.1136N	4.0681W

Wales, U.K.

Llanberis, Wales, U.K.	YLL		53.1402N	4.1704W
Llanuwchllyn, Wales, U.K.	LLW		52.8492N	3.6650E
Llyn Conwy, Wales, U.K.	WLC		52.9956N	3.7788W
Myndd Eilian, Wales, U.K.	WME		53.3966N	4.3034W
Pembroke, Wales, U.K.	HPE		51.9371N	4.7745W
Rhin, Wales, U.K.	YRH		52.8335N	4.6289W
Rhoscolyn, Wales, U.K.	YRC		53.2506N	4.5741W
Swansea, Wales, U.K.	HSA		51.7478N	4.1543W
Stwlan, Wales, U.K.	WST		52.9750N	3.9890W
Trewern Hill, Wales, U.K.	HTR		52.0790N	3.2697E
Yr Eifl, Wales U.K.	YRE		52.9890N	4.4254W
Vyrnwy, Wales,	WVR		52.7974N	3.6051W

## Ukraine

Alushta, Ukraine	ALU		44.6820N	34.4030E
Chernivtsi, Ukraine	CRB	Closed	48.3000N	25.9333E
	CRA		48.2833N	25.9333E
Feodosiya, Ukraine	FEO		45.0190N	35.3900E

Kiev, Ukraine	KIEV		50.6944N	29.2100E
Kosiv, Ukraine	KSV		48.3150N	25.0667E
Lviv, Ukraine	LVV		49.8190N	24.0310E
Makeyevka, Ukraine	MKY	Closed	48.0333N	37.9833E
Mizhhirya, Ukraine	MEZ		48.5140N	23.5140E
Morshin, Ukraine	MRSS		49.1330N	23.8940E
Rakhiv, Ukraine	RAK		47.0550N	24.1980E
Sevastopol, Ukraine	SEV	Closed	44.5450N	33.6880E
Simferopol, Ukraine	SIM		44.9490N	34.1160E
Uzhorod, Ukraine	UZH		48.6310N	22.2930E
Yalta, Ukraine	YAL		44.4875N	34.1547E

## U.S. Trust Territories

Truk, Caroline Islands, Trust Territory	TRU		7.2645N	151.5120E
Santa Rosa, Guam, U.S.Trust Territory	GUA		13.5397N	144.9141E
Agana, Guam, U.S. Trust Territory	GUAM	Closed	13.4717N	144.7483E
	GUMO		13.5892N	144.8686E
Potts Junction, Guam, U.S. Trust Territory	PJG		13.5893N	144.8684E
Agrihan Island,	AGRI		18.7330N	145.6530E

Marianas Is, U.S. Trust Tty.			
Alamagan Is, ALMG Marianas Is., U.S. Trust Tty.		17.6010N	145.8380E
Anatahan, ANAT Marianas Is., U.S. Trust Tty.		16.3530N	145.6560E
Northern NMCC Marianas College, U.S. Trust Tty.		15.1500N	145.7160E
Pagan, PAGN Marianas, U.S. Trust Territory		18.0750N	145.7310E
Pagan Volcano, PAGV Marianas, U.S. Trust Territory		18.1250N	145.7700E
Saipan, SAPN Marianas, U.S. Trust Territory		15.2081N	145.7495E
Koror, KOR Palau Islands		7.3350N	134.4850E
Palau Islands, PLA U.S. Trust Tty.		7.3333N	134.4833E
	PALU	7.3300N	134.4800E
Apia, Pago Pago, API American Samoa,		13.4826S	171.4630W

## U.S.

### Alabama (USGS)

Alexander City, AX-AL	Closed	32.8356N	86.1764W
Alabama	AX2-AL	Closed	32.7772N 86.1300W
Brewton,	BO-AL	Closed	31.1697N 86.8597W

Alabama				
Collinsville, Alabama	HGH		34.2602N	85.8464W
Decatur, Alabama	DCA			
Deerlick Creek, Alabama	DLC		33.2608N	87.4448W
Elm, Alabama	EMA		33.2210N	87.4738W
Eutaw, Alabama	EU-AL	Closed	32.7792N	87.8739W
	EU2-AL	Closed	32.7964N	87.8847W
Fleetwood, Alabama	FLT		33.2580N	87.4095W
Hanceville, Alabama	HVA		34.0264N	86.7692W
Holt, Alabama	HLT		33.2222N	87.5077W
Kennedy, Alabama	BKA		33.6339N	87.9690W
Lambert Chapel, Alabama	LCAL	Closed	34.5225N	85.6302W
Lakeview Retreat, Alabama	LRAL			
Leola, Alabama	LAL		34.4367N	87.3372W
Log Cabin, Alabama	LCA		33.3067N	106.4683W
Monte Sano, Alabama	MSAL		34.8467N	86.6735W
Owens Crossroads, Alabama	OCA		34.6138N	86.4352W
Pea Ridge, Alabama	PEA		33.2553N	87.4943W

Peterson, Alabama	PTR	33.2172N	87.4333W
Pickwick, Alabama	PWLA	34.9800N	88.0637W
	PLAL	34.9824N	88.0755W
Reichold, Alabama	RHA	33.2417N	87.4660W
Sawyer ville, Alabama	MLAL	32.7055N	87.6936W
Southern Alabama, Alabama	AL	32.000N	86.500W
Spring Hill, Alabama	SHA	30.6944N	88.1428W
Talladega, Alabama	TSAL	33.5417N	87.0247W
Tannehill State Park, Alabama	TSAL	33.2561N	87.0675W
<b>Alaska</b>	ISTF		
	ISTN		
	LSB		
	PPDA		
	RWS		
	SSLF		
	SSLN		
	SSLW		
	TZO		
Adak, Alaska	ADK	51.8837N	176.6844W
Adak Island Alaska	AD-IS Closed	51.8750N	176.6792W



Adak (Finger Bay), Alaska	ADA	51.8633N	176.6017W
Agadak, Alaska	AD8	51.9806N	176.6003W
Agassiz Lake, Alaska	AGAM	60.1542N	141.0333W
Akutan, Alaska	AKA	54.1358N	165.7700W
Akutan 2, Alaska	AKA2	54.1242N	165.7783W
Akutan 4, Alaska	AKA4	54.1100N	165.7317W
Akutan 5, Alaska	AKA5	54.1552N	165.8650W
Alaska Earthquake Information Center, Fairbanks, Alaska	AEIC		
Alaska Long Period Array, Alaska	ALPA		
Alcan, Alaska	ALC	62.6225N	141.0083W
Alder Creek, Alaska	ACK	69.9542N	162.1890W
ALPA Array Alaska	AL31	65.0653N	147.5639W
	AL32	65.1944N	147.3161W
	AL33	65.0286N	147.1961W
	AL36	65.0978N	148.0014W
	AL37	65.2733N	148.7433W
	AL5	65.9447N	148.8595W
ALPA Array Beam Reference Point, Alaska	ALAR	65.0653N	147.5639W

Amatignak Island, Alaska	AMA	Closed	51.2884N	179.1093W
Amchitka, Alaska	AEB	Closed	51.3604N	179.2474W
	AC-IS	Closed	51.3894N	179.3425W
Central A,	ACA	Closed	51.4809N	179.1193W
Central B,	ACB	Closed	51.4626N	179.0909W
Central C,	ACC	Closed	51.4843N	179.0431W
Central D,	ACD	Closed	51.4282N	179.1366W
Central E,	ACE	Closed	51.4005N	179.1727W
Central F,	ACF	Closed	51.5258N	178.9941W
	AWA	Closed	51.3746N	179.2527W
	ASB	Closed	51.3604N	179.2474W
	ASC	Closed	51.4631N	179.1587W
	ASD	Closed	51.3907N	179.3421W
	ANA	Closed	51.6277N	178.6564W
	ANB	Closed	51.6062N	178.7917W
	AND	Closed	51.5623N	178.9534W
Amchitka East, Alaska	AME	Closed	51.3867N	179.2550W
Anchorage, Alaska	ANH	Closed	61.2417N	179.2550W
	AMU	Closed	61.1917N	149.8050W
Angle Creek, Alaska	ANCK		58.1988N	155.4940W
Angle Creek Headwaters, Alaska	ACHA		58.1343N	155.1608W
Aniakchak, Alaska	ANIA		56.9167N	158.2293W

Northwest	ANNW		
Plenty Bear,	ANPB		56.8024N 158.2808W
Northeast	ANNE		
	ANKA		56.9058N 158.2288W
	ANI		57.0417N 158.0400W
Aniakchak Crater, Alaska	ANIA		56.9056N 158.2293W
Aniakchak Peak, Alaska	ANPK		56.8418N 158.1261W
Anvil Mountain, Alaska	ANV		64.5665N 165.3717W
Atka, Alaska	AA_IS	Closed	52.2117N 174.2036W
Attu Island- Fox, Alaska	FX1		52.8821N 173.1643W
Augustine Island, Alaska	AU2		59.3703N 153.3781W
	AUE		59.3590N 153.3722W
	AUI		59.3352N 153.4271W
	AGI	Closed	59.3800N 153.4200W
Augustine Domo, Alaska	AUD		59.3626N 153.4265W
	AUH		59.3639N 153.4432W
Augustine Flow, Alaska	AUF	Closed	59.3878N 153.4590W
	AUL		59.3822N 153.4345W
Augustine Mound, Alaska	AUM	Closed	59.3710N 153.3528W
Augustine Pinnacle, Alaska	AUP		59.3623N 153.4205W
Augustine Summit, Alaska	AGU		59.3600N 153.4307W

Augustine West, Alaska	AUW		59.3701N	153.4708W
Auke Bay, Alaska	ABF		58.3813N	134.6433W
Baldy, Alaska	BALM		61.0362N	142.7587W
Baldy Mountain, Alaska	BALA		55.1937N	162.3445W
Bancas Point, Alaska	BCPM		59.9533N	139.6350W
Barrier Glacier, Alaska	BGL		61.2635N	152.3905W
#2,	BGRM		60.7575N	152.4177W
Barrow, Alaska	BRV	Closed	71.2742N	156.7847W
	BRW		71.3033N	156.7483W
Barter Island,	BI1	Closed	70.1318N	143.6417W
	BI2	Closed	69.6233N	145.8950W
	BI3	Closed	69.5967N	144.3707W
	BI4	Closed	69.5202N	142.9800W
Beaver Creek Array Site 1, Alaska	BC01		63.0619N	141.8279W
Array Site 2,	BC02		63.0440N	141.8021W
Array Site 3,	BCA3		63.0656N	141.7851W
Array Site 4,	BC04		63.0809N	141.7684W
Array Site 5,	BC05		63.0610N	141.7534W
Beaver Creek Array Reference Point, Alaska	BCAR		63.0656N	141.7851W
Beluga, Alaska Alaska	BLGA		61.1765N	150.0313W

Bench, Alaska	BEH		66.0150N	149.8117W
Bend, Alaska	CKT		61.2008N	152.2062W
Besboro Island, Alaska	BBO		64.1212N	161.3050W
Beaver Creek Array, Alaska	BC01			
	BC02			
	BC03			
	BC04			
	BC05			
Bethel, Alaska	BQ-AK	Closed	60.7789N	161.8836W
	BET		60.8078N	161.7717W
Big Koniuji, Alaska	BKJ		55.1567N	159.5589W
Big Mountain, Alaska	BGM		59.3927N	155.2293W
	BIM	Closed	59.3927N	155.2293W
Biorka, Alaska	BIO	Closed	56.8517N	135.5583W
Birch Hill, Alaska	BRH	Closed	64.8648N	147.6403W
Black Rapids, Alaska	BLR	Closed	63.5017N	145.8450W
Black Hill, Alaska	BLHA		55.7029N	162.0672W
Blockade Glacier, Alaska	BKG		61.0702N	152.2627W
Blue Mountain, Alaska	BLM		58.0467N	156.3367W
Bobrof, Alaska	AL4	Closed	51.8230N	177.4450W
Bradley Lake, Alaska	BRLK		59.7642N	150.8855W

Bradley Lake NE, Alaska	BRNE Closed	59.9108N	150.6522W
Bradley Lake SW, Alaska	BRSW Closed	59.6410N	151.0448W
Bradley Lake SE, Alaska	BRSE	59.7055N	150.6708W
Bradley Lake NW, Alaska	BRNW Closed	59.8375N	151.1692W
Bremner River, Alaska	BMRM	60.9583N	144.5830W
Broad Pass, Alaska	BDP Closed	63.2312N	149.2593W
Brooks Peninsula, Alaska	BPBC	50.1572N	127.7708W
Browne, Alaska	BWN	64.1717N	149.4653W
Burnt Mountain Array Site 3, Alaska	BM3	64.4192N	144.6071W
Array Beam Reference Point	BMAR	66.4289N	144.5807W
	BM01		
	BM02		
	BM03		
	BM04		
	BM05		
Candle, Alaska	CDL	66.1140N	161.6567W
Cahill, Alaska	CAHL	59.0525N	155.3015W
Cantwell, Alaska	CNA Closed	63.3964N	148.9450W

Cape Darby, Alaska	CDY	Closed	64.3475N	162.7838W
Cape Douglas, Alaska	CDA	Closed	58.9553N	153.5295W
	CDD		58.9298N	153.6432W
Cape Romanzof, Alaska	CDR	Closed	61.7900N	165.9550W
Cape Sarichef, Alaska	CSA	Closed	54.5944N	164.8750W
Cape Yakataga, Alaska	CYK		60.0830N	142.4847W
	CYT	Closed	60.0744N	142.4114W
Capps Glacier, Alaska	CGIM		61.3077N	152.0067W
Chekok, Alaska	CKK		59.9597N	154.2332W
Chaix Hills, Alaska	CHX	Closed	60.0630N	141.1167W
Chakachamna, Alaska	CKL		61.1965N	152.3378W
Chakachatna North, Alaska	CKN		61.2240N	152.1815W
Chernabura, Alaska	CNBA		54.8200N	159.5887W
Childs Glacier, Alaska	CSG		60.6610N	144.8550W
China Poot, Alaska	CNPM		59.5258N	151.2360W
Chirikof Island, Alaska	CHIA		55.8378N	155.5797W
Chitina Glacier, Alaska	CTGM		60.9650N	150.3333W
Christmas Creek, Alaska	CKR		64.6680N	160.5305W

Chowiet Island,CHW Alaska			56.0333N	156.7117W
Church, Alaska	CHB		64.2577N	149.1700W
Chulitna, Alaska	CUT		62.4047N	150.2695W
Cirque, Alaska	CRQM		60.7567N	143.1392W
Clear Creek Butte, Alaska	CCB		64.6467N	147.8055W
Clear Mews, Alaska	CMA	Closed	64.2400N	149.1800W
Cold Bay, Alaska	CBA	Closed	55.1750N	162.7333W
	CBY		55.1887N	162.7040W
College, Alaska	COLA		64.8738N	147.8511W
College- Fairbanks, Alaska	CMO		64.8600N	147.8380W
College-Fjord, Alaska	CFI		61.1827N	147.7665W
College Outpost, Alaska	COL	Closed	64.9000N	147.7933W
Colony High School, Alaska	CHSA		61.6080N	149.2120W
Contact Creek, Alaska	CNTC		58.2645N	155.8837W
Cordova,	CDI	Closed	60.4967N	145.4933W
	CUA		60.5465N	145.7493W
Crater Peak, Alaska	CRP		61.2670N	152.1555W
	2, CP2		61.2642N	152.2418W
Crater Peak Alternate, Alaska	CPAM		61.2548N	152.1415W



Crater Peak Rim, Alaska	CPKM		61.2663N	152.2333W
Deadman Bay, Alaska	DMB	Closed	57.0872N	153.9605W
Deer Island, Alaska	DRIA		54.9661N	162.2629W
	DRRA	Closed	54.9235N	162.2832W
Delta Junction East, Alaska	DJE		64.0280N	145.6792W
Delta Microwave, Alaska	SMW	Closed	64.0563N	145.7312W
Denali Highway, Alaska	DHY		63.0763N	147.3733W
Devil Mountain, Alaska	DMA	Closed	66.3100N	164.5200W
Dillingham, Alaska	DHM			
	DLL		59.0000N	158.7000W
Disc Island, Alaska	DSK	Closed	60.5020N	147.6468W
Divide, Alaska	DIV		61.1295N	145.7717W
Dolgoi Island, Alaska	DCG	Closed	55.1410N	161.8636W
	DOL		55.1485N	161.8358W
Donnely Dome, Alaska	DDM		63.7872N	145.8633W
Dot Lake, Alaska	DOT		63.6487N	144.0625W
Drift River, Alaska	DFR		60.5920N	152.6862W
	DREA			
Dutch Harbor,	DUT		53.8983N	166.5367W

	DHA		53.8950N	166.5333W
	UVA Reserved			
Dutton Round Hill, Alaska	DT1		55.1075N	162.2808W
Dutton South Flank, Alaska	DTNA		55.1493N	162.2520W
Ear Mountain, Alaska	EAM	Closed	65.9223N	166.2425W
Eilson Array Broadband, Alaska	ILB		64.7714N	146.8866W
Eilson Array Site 1, Alaska	IL01		64.7161N	146.8861W
Site 2,	IL02		64.7847N	146.8643W
Site 3,	IL03		64.7714N	146.8512W
Site 4,	IL04		64.7570N	146.8761W
Site 5,	IL05		64.7731N	146.9229W
Site 6,	IL06		64.7792N	146.9040W
Site 7,	IL07		64.7993N	146.8393W
Site 8,	IL08		64.7903N	146.7969W
Site 9,	IL09		64.7681N	146.7832W
Site 10,	IL10		64.7529N	146.8431W
Site 11,	IL11		64.7415N	146.8974W
Site 12,	IL12		64.7447N	146.9436W
Site 13,	IL13		64.7479N	146.9865W
Site 14,	IL14		64.7750N	146.9794W
Site 15,	IL15		64.7777N	146.9428W
Site 16,	IL16		64.7933N	146.9215W

Site 17	IL17		64.8072N	146.8898W
Site 18,	IL18		64.7575N	146.7768W
Site 19,	IL19		64.7461N	146.7974W
Eilson Array Beam Reference Point (north pole), Alaska	NPO		64.7714N	146.8865W
Eilson Array beam reference point, Alaska	ILAR		64.7714N	146.8866W
Elmendorf AFB, Alaska	EAFB		61.2335N	149.7718W
Elvey, Alaska	ELV	Closed	64.8603N	147.8486W
Engineer Hill, Alaska	ENG	Closed	64.7352N	147.0460W
Ernestine, Alaska	ERN	Closed	61.4442N	145.1122W
Fairbanks, Alaska	FB-AK	Closed	64.9519N	148.2842W
	FB2AK	Closed	64.9100N	147.4464W
	FBA	Closed	64.9000N	147.7933W
	FBK	Closed	64.8994N	148.0056W
FB-Long Period, Alaska	FBAL		64.9100N	147.4464W
FB-short period, Alaska	FBAS		64.7711N	146.8856W
False Pass, Alaska	FSP	Closed	54.9533N	163.4567W
Faris Peak, Alaska	WFAR		54.5371N	164.7765W
Featherly Pass, Alaska	FLP	Closed	57.7117N	156.2650W

Fire Island, Alaska	FIB		61.1663N	150.1750W
	FIS	Closed	61.1442N	150.2185W
Fort Yukon, Alaska	FY1	Closed	52.2667N	148.9695W
	FY2	Closed	67.1245N	147.0972W
	FY3	Closed	68.1472N	145.7000W
	FY4	Closed	67.4533N	146.2097W
	FY5	Closed	67.1400N	143.2500W
	FYU		66.5660N	145.2317W
Galena City School, Alaska	GCSA			
Geophysical Inst. U of Alaska, Alaska	GIA	Closed	64.8600N	147.8350W
Gilahina Butte, Alaska	GLB		64.4418N	143.8105W
Gilmore Creek, Alaska	GIL	Closed	64.9750W	147.4950W
Gilmore Dome, Alaska	GLM		64.9873N	147.3890W
Glacier Island, Alaska	GLC	Closed	60.8907N	147.0725W
	GLI		60.8797N	147.0942W
Glory Hole Creek, Alaska	GHO		61.7722N	148.9242W
Gold King Creek, Alaska	GKC		64.1787N	147.9347W
Goldstream Valley, Alaska	GSV		64.9216N	147.9370W
Gould Hall, Alaska	GOU		61.1892N	149.8003W

Granite Bay, Alaska	GBY		60.4322N	147.9783W
Granite Mountain, Alaska	GMA	Closed	65.4287N	161.2320W
Grayling, Alaska	GRLA		62.9063N	160.0626W
Great Sitkin, Alaska	AD1	Closed	52.0233N	176.1517W
Great Sitkin Cape Kiugilak, Alaska	GSCK		52.0119N	176.1620W
Great Sitkin Middle Yoke, Alaska	GSMY		52.0432N	176.0563W
Great Sitkin Saddle Point, Alaska	GSSP		52.0928N	176.1757W
Great Sitkin Triple Divide, Alaska	GSTD		52.0559N	176.1448W
Great Sitkin Teapot Rock, Alaska	GSTR		52.0943N	176.0591W
Gulkana, Alaska	GUL	Closed	62.2206N	145.4514W
Guyot Hills, Alaska	GYO	Closed	60.1463N	141.4715W
Hague Volcano, Alaska	HAG		55.3171N	161.9042W
Hallett, Antarctica	HLL		72.3139S	170.2167E
Hamilton, Alaska	HMT		60.3365N	144.2607W
Harding Lake, Alaska	HDA		64.4058N	146.9538W

Harlequin Lake, HQN Alaska			59.4517N	138.8770W
Hepp, Alaska	HPP	Closed	64.7905N	147.9592W
Hidden Bay, Alaska	HPP	Closed	51.6986N	176.6325W
Hinchnebrock Island, Alaska	HIN		60.3968N	146.5017W
Homer, Alaska	HOM		59.6583N	151.6433W
Hooper Bay School, Alaska	HBSA	Reserved		
Hurricane, Alaska	HUR		62.9778N	149.6363W
Huslia School, Alaska	HUSA	Reserved		
Igitkin Island, GSIG Alaska			51.9864N	175.9250W
Iliamna Volcano East, Alaska	IVE		60.0162N	153.0166W
Iliamna Low South, Alaska	ILS		59.9576N	153.0681W
Iliamna, Alaska	ILIM		60.0802N	152.9595W
	ILM	Closed	60.1820N	152.8162W
	ILW		60.0600N	153.0625W
Iliamna North East, Alaska	INE		60.0608N	153.1362W
Iliamna North West, Alaska	INW	Closed	60.0677N	153.1325W
Iliamna South, Alaska	IVS		60.0092N	153.0808W

Indian Mountain	IMA		66.0685N	153.6786W
Indian Mountain Array Beam Reference Point, Alaska	IMAR	Reserved	65.9835N	153.7491W
Site 1,	IM01		65.9969N	153.7225W
Site 2,	IM02		65.0005N	153.7971W
Site 4,	IM04		65.9745N	153.7828W
Site 5,	IM05		65.9751N	153.7253W
Indian Mountain Site 3, Alaska	IM3		65.9835N	153.7491W
Ivanof Bay, Alaska	IVF	Closed	55.8958N	159.5300W
Jack Peak, Alaska	JPK		61.0552N	146.5978W
Juneau Island, Alaska	JIS		58.2750N	134.3833W
Kagalaska, Alaska	AD3	Closed	51.7428N	176.3569W
Kagalaska Island, Alaska	ETKA		51.8619N	176.4059W
Kanaga Island Cape Miga, Alaska	KICM	Reserved	51.9189N	177.1953W
Kanaga Island Kanaga Volcano, Alaska	KIKV	Reserved	51.8788N	177.1704W
Kanaga Island MID Benchmark, Alaska	KIMD		51.7616N	177.2349W
Kanaga Island North Cape,	KINC		51.9314N	177.1276W

Alaska

Kanaga Island Round Head, Alaska	KIRH		51.8996N	177.0935W
Kanaga Island Westway Bight, Alaska	KIWB		51.8531N	177.1508W
Kantishna Hills, Alaska	KTH		63.5530N	150.9217W
Katmai, Alaska	KTM	Closed	58.3247N	155.3765W
	KAWH		58.3837N	154.7992W
Katmai Barrier Ridge, Alaska	KABR		58.1312N	154.9692W
Katmai Hardscrabble Creek, Alaska	KAHC		58.6490N	155.0060W
Katmai Hook Glacier, Alaska	KAHG		58.4940N	154.5463W
Katmai Ikagluik Creek, Alaska	KAIC		58.4850N	155.0458W
Katmai Pasha, Alaska	KAPH		58.5968N	154.3468W
Katmai Rainbow River, Alaska	KARR		58.4978N	154.7033W
Kayak Island, Alaska	KYK	Closed	59.8683N	144.5232W
	KAIM		59.9268N	144.4163W
Kejulik, Alaska	KJL		58.0540N	155.5732W
Kenai, Alaska	KEN	Closed	60.6167N	151.1533W
Ketchikan, Alaska	KCN	Reserved	55.3343N	131.6323W



Ketchikan School, Alaska	KHSA Resered		
Kimball Pass, Alaska	KMP	61.5143N	145.0298W
Klutina, Alaska	KLU	61.4928N	145.9202W
Knight Island, Alaska	KNIM	60.3487N	147.7360W
Knik Glacier, Alaska	KNK	61.4125N	148.4557W
Kodiak, Alaska	KDC	57.78478N	152.4917W
	KDAK	57.7828N	152.5835W
Kodiak Island, Alaska			
Kogok River, Alaska	KRY	63.1692N	162.0667W
Koidern River, Alaska	KRY	61.9800N	140.4083W
Kotzebue, Alaska	KTA	66.8500N	162.6100W
Kramer, Alaska	KM-CL	34.8811N	117.2567W
Latouche Island, Alaska	LTI	60.0405N	147.8542W
Levy, Alaska	LVY	64.2167N	149.2533W
Little Sitkin Island, Alaska	LSI	51.9197N	178.5338W
Louis Bay, Alaska	LOU	60.4655N	147.6443W
Maars, Alaska	MRS	57.8567N	156.4894W
Mageik, Alaska	MGLS	58.2107N	155.3260W
Makushin	MCIR	53.9513N	166.8918W

Cirque, Alaska				
Makushin Gods Own Repeater Site, Alaska	MGOD		53.7947N	166.8725W
Makushin Julie Andrews, Alaska	MSOM		53.8165N	166.9490W
Makushin Nateekin, Alaska	MNAT		53.8838N	166.6833W
Makushin Switchbacks, Alaska	MSW		53.9417N	166.7827W
Makushin Table Top, Alaska	MTBL		53.9693N	166.6785W
Makushin Cirque, Alaska	MCIR		53.9513N	166.8918W
Malaspina Glacier, Alaska	MLA		59.7633N	140.1500W
Manley, Alaska	MLY		65.0308N	150.7393W
McKinley, Alaska	MCK		63.7323N	148.9350W
McNeill River, Alaska	MCL	Closed	59.1027N	154.1996W
	MCNL		59.1852N	154.3367W
Mercer, Alaska	MCR	Closed	63.8952N	149.0593W
Middle Cape, Alaska	MMC		57.3333N	154.6350W
MID Benchmark, Alaska	KIMD	Reserved	51.7616N	177.2349W
Middleton Island, Alaska	MID		59.4278N	146.3388W
Minitrack, Alaska	MIK	Closed	64.8723N	147.8280W

Mitchell Field, Alaska	MFA	Closed	51.9350N	176.5917W
Montague Island, Alaska	MTU		59.9878N	147.6520W
	MTG	Closed	59.9118N	147.4970W
Moose Creek Bluff, Alaska	MCB		64.7225N	147.2253W
Moose Creek, Alaska	MSE		61.8383N	148.9672W
Moose Pass, Alaska	MPA		60.4892N	149.3602W
Mount Adagdak, Alaska	ADAG		51.9802N	176.6017W
Mount Spur, Alaska	SPU		61.1817N	152.0543W
Murphy Dome, Alaska	MDM		64.9588N	148.2295W
Nagai Island, Alaska	NGI	Closed	55.0393N	160.0692W
	NAGA		54.9783N	160.1383W
Nelchina, Alaska	NCA		61.9937N	146.8242W
Nenana, Alaska	NEA		64.5772N	149.0772W
Nikishka, Alaska	NKA		60.7431N	151.2381W
Nikolaevsk School, Alaska	NHSA	Reserved	59.8111N	151.6127W
Nikolski, Alaska	NIK	Closed	52.9743N	168.8530W
	NKI	Closed	52.9426N	168.8574W
Ninilchik, Alaska	NNL		60.0422N	151.2963W
Ninilchik One, Alaska	NIN	Closed	60.0111N	151.5356W

Nome, Alaska	NOM	Closed	64.5617N	165.3867W
Nome-Anvil Mountain, Alaska	ANM		64.5655N	165.3717W
North Cape, Alaska	KINC	Reserved	51.9314N	177.1276W
North Capps Glacier, Alaska	NCG		61.4037N	152.1567W
North Crescent, Alaska	NCT		60.5617N	152.9297W
North Gasline, Alaska	NGL	Closed	60.8208N	149.9982W
North Kanaga, Alaska	AD7	Closed	51.9000N	177.0900W
	AT3		51.8067N	177.8200W
North Pole, Alaska	NPO		64.7714N	146.8865W
North River, Alaska	NRA	Closed	63.8900N	160.5100W
North Tanaga, Alaska	AK3	Closed	51.8067N	177.8200W
	AK5	Closed	51.8040N	176.8920W
	AT3	Closed	51.8067n	177.8200W
	AK0	Closed	51.7790N	176.8800W
Nunatak, Alaska	NTK	Closed	59.8777N	139.0352W
Oil Point, Alaska	OPT		59.6528N	153.2297W
Palmer USGS, Alaska	PLRM		61.5922N	149.1308W
Palmer East, Alaska	PME	Closed	61.6283N	149.0317W

Palmer West (Houston), Alaska	PWA		61.6508N	149.8786W
Palmer South (Arctic Valley), Alaska	PMS		61.2447N	149.5606W
Palmer, Alaska	PMR		61.5922N	149.1308W
Paxon, Alaska	PAX		62.9708N	145.4687W
Pavlof South 1A, Alaska	PS1A	Closed	55.4213N	161.7422W
South 4,	PS4	Closed	55.3540N	161.8682W
South 4A,	PS4A		55.3460N	161.8561W
North 6,	PN6		55.4528N	161.9205W
North 7A,	PN7A		55.4326N	161.9982W
Pavlov Volcano, Alaska	PVV		55.3742N	161.7900W
Pedro Bay, Alaska	PDB		59.7878N	154.1925W
Pedro Dome, Alaska	PJD	Closed	65.0350N	147.5083W
Peninsula, Alaska	PNL		59.6687N	139.3970W
Perryville, Alaska	PRYA		55.9088N	160.1697W
Petersburg, Alaska	PBG		56.8010N	132.9277W
	PSA		56.8083N	133.9533W
Petersburg Public Schools, Alaska	PPSA	Reserved	56.8130N	132.9550W
Pinnacle, Alaska	PCA		60.0967N	140.2567W
Pinnacle	PNN		56.8050N	157.5833W

Mountain, Alaska				
Pogrommi, Alaska	WPOG		54.5970N	164.7450W
Point Barrow, Alaska	PTB	Closed	71.1333N	156.8000W
Porcupine Dome, Alaska	PRP		65.5178N	145.5223W
Port Heiden, Alaska	PHA	Closed	56.9883N	158.6750W
Portage, Alaska	PTE		60.8645N	149.0237W
Port Fidalgo, Alaska	FID		60.7500N	146.4790W
Port Moller, Alaska	PMA	Closed	55.9786N	160.4972W
Port Wells, Alaska	PWL		60.8593N	148.3348W
Price, Alaska	KPE		64.4608N	146.8957W
Puale Bay, Alaska	PUB		57.7733N	155.5167W
Rabbit Creek Array Site 1, Alaska	RCO1		61.0894N	149.7367W
Ragged Mountain, Alaska	RGD	Closed	60.2192N	144.5457W
	RAGM		60.3870N	144.3752W
Raspberry Island, Alaska	RAI		58.0605N	153.1592W
Rat Island, Alaska	RAT	Closed	51.7991N	178.3301W
Redoubt, Alaska	RDT		60.5738N	152.4062W
Redoubt North,	RDN		60.5138N	152.7630W

Alaska

Redoubt South, Alaska	RSO		60.4622N	152.7538W
Redoubt South No. 1, Alaska	RS1		60.4602N	152.7580W
Redoubt South No. 2, Alaska	RS2		60.4630N	152.7573W
Redoubt East Flank, Alaska	REF		60.4892N	152.7017W
Redoubt West, Alaska	RDW		60.4827N	152.8095W
Redoubt Volcano, Alaska	RED		60.4189N	152.7719W
Reindeer, Alaska	RND		63.4062N	148.8528W
Remote, Alaska	RON	Closed	62.6912N	150.2037W
	REM		65.9550N	164.5778W
Richard D. Siegrist, Alaska	RDS		64.8265N	148.1447W
Riou, Alaska	RIU		59.8783N	141.2283W
Round Head, Alaska	KIRH	Reserved	51.8896N	177.0935W
Sadie Cove, Alaska	SDEM	Closed	59.4433N	151.2820W
Saint Paul, Alaska	SPP	Closed	57.1533N	153.2400W
	SP-IS	Closed	57.1542N	170.2181W
Saint Paul Islands, Alaska	SPI	Closed	57.1600N	170.2250W
Sanak Island, Alaska	SNKA	Closed	54.4740N	162.7753W

Sand Bay, Alaska	SBY	Closed	51.9976N	176.0920W
San Diego Bay, Alaska	SGB		54.5458N	160.4538W
Sand Point, Alaska	SDN		55.3413N	160.4538W
	SASA		55.3400N	160.4972W
Sand Point Broadband, Alaska	SPBA		55.3498N	1604760W
Sawmill, Alaska	SML		61.8082N	148.3330W
Scagway School, Alaska	SKGA	Reserved		
Scotty Lake, Alaska	SCT	Closed	62.3192N	150.2972W
Seldovia, Alaska	SLV		59.4713N	151.5805W
	XLV		59.4547N	151.7217W
Semisopchnoi Island, Alaska	SSI	Closed	51.8924N	179.5883W
Seward, Alaska	SEW		60.1037N	149.4493W
Sheep Creek Facility, Alaska	SCF	Closed	61.9947N	150.0392W
Sheep Creek Mountain, Alaska	SCM		61.8333N	147.3277W
Shemya, Alaska	SQ-IS	Closed	52.7269N	174.1092W
	SMY		52.7395N	174.0994W
Sherman Glacier, Alaska	SGAM		60.5012N	145.2070W
Shishalden West, Alaska	SSLW		54.7718N	164.1214W



Shuyak Island, Alaska	SHU		58.6281N	152.3989W
	SYI		58.6100N	152.3908W
Sitka, Alaska	SIT		57.0569N	135.3262W
Sitkalidak Island, Alaska	SKD		57.1642N	153.0803W
Sitkinak Island, Alaska	SII		56.5600N	154.1819W
Skagway School, Alaska	SKGA	Reserved		
Skilak Lake, Alaska	SLKM		60.5078N	150.2210W
Skilak, Cooper Landing, Alaska	SKL	Closed	60.5143N	150.2152W
Skwentna, Alaska	SKT		61.9803N	151.5297W
Sourdough, Alaska	SDG		62.5270N	145.5433W
South Kanaga, Alaska	AD6	Closed	51.7083N	177.2417W
South Tanaga, Alaska	AK2	Closed	51.6633N	177.9300W
	AT2	Closed	51.6633N	177.9300W
Sparrevohn, Alaska	SVW		61.1082N	155.6217W
Spiridon Lake, Alaska	SPL		57.7592N	153.7714W
Squaw Harbor, Alaska	SZF		55.2200N	153.5263W
Stephens Glacier, Alaska	SGA	Closed	61.4207N	146.3948W
Stony River, Alaska	STY	Closed	61.1445N	154.2018W

Strandline, Alaska	STLK		61.4987N	151.8330W
Suckling Hill, Alaska	SUK		60.0737N	143.7770W
Sunshine, Alaska	SSH	Closed	62.1667N	150.0777W
Sunshine Point, Alaska	SNH		60.1800N	142.8383W
Surprise Lake, Alaska	ANSL			
Susan B. English School, Alaska	SBEA	Reserved	59.4423N	151.7123W
Susitna, Alaska	SST	Closed	61.4347N	150.7803W
Susitna One, Alaska	SUA		61.4638N	150.7433W
Talkeetna Mountains, Alaska	TLK	Closed	62.4938N	147.8780W
Tana Glacier, Alaska	TGL		60.7558N	142.8297W
Tanana, Alaska	TNN		65.2567N	151.9117W
Tatalina, Alaska	TTA		62.9301N	155.0116W
	TTL	Closed	62.8986N	155.9761W
	TT01		62.9066N	156.0204W
Tazlina, Alaska	TZL		62.0445N	145.4238W
Teren Tiev Lake, Alaska	TTV		61.0548N	147.1215W
Thorofare Mountain, Alaska	TRF		63.4510N	150.2873W

Tin City, Alaska	TCY		65.5663N	167.9558W
	TNA		65.5606N	167.9239W
Tok Microwave, Alaska	TMW		63.3245N	142.9967W
Tolsona, Alaska	TOA		62.1048N	146.1723W
Topkok, Alaska Trims	TKK	Closed	64.5558N	163.9967W
Trims Highway, Alaska	THY		63.4167N	145.7522W
Tsina, Alaska	TSIM		61.2262N	145.3373W
Tugumak, Alaska	WTUG		54.8477N	164.3858W
Tunal, Alaska	USA			
Ugak Island Alaska	UGI	Closed	57.3945N	152.2817W
Ugashik Lake, Alaska	UKL	Closed	57.4017N	156.8550W
	USL	Closed	57.3983N	157.0300W
Umak, Alaska	AD2	Closed	51.9033N	176.0183W
Unalakleet, Alaska	UNL	Closed	63.8933N	160.6867W
Unalaska, Alaska	UNA	Closed	53.8733N	166.5333W
Unalaska Valley, Alaska	UNV		53.8465N	166.5020W
Valdez, Alaska	VLZ		61.1315N	146.3320W
	VLD	Closed	61.1175N	146.2637W
Valdez South, Alaska	VZS	Closed	61.0442N	146.3053W
Valdez West,	VZW	Closed	61.0590N	146.5540W

Alaska

Vogel Lake, Alaska	VOGL		60.9961N`	150.4307W
Waxell Ridge, Alaska	WAX		60.4500N	142.8517W
West Anchorage High School, Alaska	WAHA	Reserved		
West Dahl East, Alaska	WESE		54.4726N	164.5863W
West Dahl South, Alaska	WESN		54.5685N	164.5833W
West Dahl North, Alaska	WESN		54.5685N	164.5833W
West Kanaga, Alaska	AK1	Closed	51.6650N	177.6417W
	AT1	Closed	51.6650N	177.6417W
Westway Bight, Alaska	KIWB	Reserved	51.8531N	177.1508W
Willow Mountain, Alaska	WLM	Closed	61.7736N	145.1981W
White River Glacier, Alaska	WRG		60.0378N	142.0317W
Wood River Hill, Alaska	WRH		64.4713N	148.0898W
Wrangell Chichokna Glacier, Alaska	WACK		61.9863N	144.3284W
Wrangell North Crater, Alaska	WANC		62.0031N	144.0699W
Yahtse, Alaska	YAH		60.3633N	141.7450W
Yakataga, Alaska	YKGM		60.0700N	142.4222W

Yakak, Alaska	AD5	Closed	51.6289N	176.9253W
Yakutat, Alaska	YKT	Closed	59.3686N	138.8772W
	YKU		59.5531N	139.7286W
Yellow Creek Bluff, Alaska	YCB		56.6483N	158.6817W
Little America, <b>Antarctica</b>	LAA		78.2000S	162.2500W
Mawson, Antarctica	MAW		67.6039S	62.8706E
Rockefeller Mountains, Antarctica	RMA		78.1333S	155.4167W
Scott Base, Antarctica	SBA		77.8489S	166.7574E
South Pole, Antarctica	SPA		89.9954S	115.0000E
Terra Nova Bay, Antarctica	TNV		74.6950S	164.1240E
Vanda, Antarctica	VND		77.5239S	161.6719E
	VNDA		77.5172S	161.8528E
Apache Junction, <b>Arizona</b>	GVA		33.4214N	111.5744W
Arizona State, Univ. Arizona	ASU		33.4163N	111.9347W
Black Peak, Arizona	BPK	Closed	34.1247N	114.2097W
Blue Ridge, Arizona	BRDG	Closed	34.6260N	111.1760W
Boulder Dam, Arizona	BDA	Closed	36.0154N	114.7366W
Flagstaff, Arizona	FS-AZ	Closed	35.0692N	111.3094W

	FLG	Closed	32.2932N	111.7024W
	FLAG		35.1667N	111.6432W
Fortuna Mine, Arizona	FTM		32.5548N	114.3335W
Glen Canyon, Arizona	GCA	Closed	36.9736N	111.5931W
Globe, Arizona	GE-AZ	Closed	33.7756N	110.5281W
Grand Canyon, Arizona	GCAZ		36.0440N	112.1280W
Heber, Arizona	HR-AZ	Closed	34.6697N	110.7664W
Jerome, Arizona	JR-AZ	Closed	34.8256N	111.9903W
Kingman, Arizona	KG-AS	Closed	35.6417N	113.9078W
	KG-AZ		35.6417N	113.9078W
Kohl's Ranch, Arizona	KH-AZ	Closed	34.4833N	111.0342W
Laguna Mountains, Arizona	LGA		32.7597N	114.4928W
Long Valley, Arizona	LG-AZ	Closed	34.4078N	111.5458W
Mummy Mountain, Arizona	MMA	Closed	33.5544N	111.9579W
Nazlini, Arizona	NL-AZ	Closed	35.9014N	109.5694W
	NL2AZ	Closed	35.8069N	109.6286W
Payson, Arizona	PY-AZ	Closed	34.2542N	111.3269W
Pierce Ferry, Arizona	PFA	Closed	36.1208N	114.0047W
Pilot Knob, Arizona	PLT		32.7312N	114.7293W

Prescott, Arizona	PAZ	Closed		
Saint George Infrasound Array, Arizona	SGI03	Reserved	36.1139N	113.6150W
	SGI04	Reserved	37.0097N	114.7385W
San Luis, Arizona	SLU		32.5017N	114.7773W
Seligman, Arizona	SG-AZ	Closed	35.6408N	113.2608W
Snowflake, Arizona	SF-AZ	Closed	34.4386N	110.5344W
Springerville, Arizona	SV-AZ	Closed	34.1756N	109.1469W
Sunflower, Arizona	SN-AZ	Closed	33.8636N	111.6928W
Sunset Crater National Monument, Arizona	SCN		35.3689N	111.5425W
Tempe, Arizona	UOA		32.2231N	110.9528W
Tonto Forest Array, Arizona	TFO	Closed	34.2678N	111.2703W
Tonto Hills Observatory, Arizona	THO	Closed	33.8753N	111.8736W
Tsaile, Arizona	TSL	Closed	36.3722N	109.2436W
Tuscon, Arizona	TUC		32.3097N	110.7842W
Tuscon-Desert Museum, Arizona	TDM		32.2442N	111.16886W
Tuscon Observatory, Arizona	TUO		32.2467N	110.8350W

Tuscon Telemeter, Arizona	TUT	Closed	32.3350N	110.7233W
University of Arizona, Arizona	UOA	Closed	32.2231N	110.9528W
Williams, Arizona	WMZ	Closed	35.1581N	112.3203W
	WM-AZ	Closed	35.4178N	112.2150W
Winslow, Arizona	WO-AZ	Closed	34.8814N	110.6208W
Wupatki, Arizona	WUAZ		35.5169N	111.3739W
Yuma Desert, Arizona	YMD		32.5547N	114.5547W
Ash Flat, <b>Arkansas</b>	AFAR		36.1333N	91.5312W
Bald Knob, Arkansas	BK-AR	Closed	35.3567N	91.6450W
Conway, Arkansas	CW-AR		35.1356N	91.9778W
Crittenden County, Arkansas	FAY	Closed	36.0911N	94.1911W
Downhole,	CRID		35.30210N	90.3330W
Surface,	CRIS		35.3020N	90.3330W
Dell, Arkansas	DLAR		35.8097N	90.0080W
Fayetteville, Arkansas	FAV		36.1214N	94.1906W
	FAY	Closed	36.0911N	94.1911W
Gosnel, Arkansas	GNAR		35.9652N	90.0178W
Hatchie Coon, Arkansas	HCI		35.6950N	90.3450W



Hoggard's Bluff, Arkansas	HOGG		35.2216N	92.2410W
Ink, Arkansas	IK-AAR	Closed	34.6194N	94.1025W
Judd Hill Plantation, Arkansas	JHP	Closed	35.6050N	90.5100W
La Grange, Arkansas	LGAR		34.6516N	90.6565W
Little Rock, Arkansas	LRA	Closed	34.7883N	92.3517W
Lorado, Arkansas	LRDO		35.9692N	90.6953W
McCrary, Arkansas	MY-AR	Closed	35.3511N	91.6578W
Manila South, Arkansas	MSAR		35.7842N	90.1469W
Marked Tree, Arkansas	MK-AR	Closed	35.5589N	90.2653W
Mount Ida, Arkansas	MZ-AR	Closed	34.5454N	93.5765W
	MIAR		34.5454N	93.5765W
Mountain Pine, Arkansas	MP-AR	Closed	34.6017N	93.1458W
Olyphant, Arkansas	OLY		35.5027N	91.4700W
Paragould, Arkansas	PGA	Closed	36.0600N	90.6200W
Perryville, Arkansas	PV-AR	Closed	34.9294N	92.6700W
Powhatan, Arkansas	POW	Closed	36.1520N	91.1850W
Qualls. Arkansas	QUAR		35.6439N	90.6491W
Star City,	STAR		33.8920N	91.7780W

Arkansas

Twist, Arkansas	TWAR	35.3614N	90.5597W
Univ. of Arkansas, Arkansas	UALR LRAR	34.7753N	92.3436W
Walnut Grove, Arkansas	WR-AR Closed	35.8530N	90.1910W
Walnut Ridge, Arkansas	WR-AR Closed	36.0583N	91.2219W
Watson, Arkansas	WA-OK	34.4417N	94.4911W
Wynne, Arkansas	WY-AR Closed	36.6122N	90.7069W
Wittsburg Lake, Arkansas	WLA	38.1856N	90.7156W
Wynne, Arkansas	WY-AR Closed	36.6122N	90.7069W

**California**

	WBVM Reserved		
	HERB		
	BBEB		
Adeladia, California	PADM	35.6393N	120.8643W
Adelanto, California California	ADL	34.5563N	117.4170W
Adobe Creek, California	GACM	38.8728N	122.8622W
Adobe Valley, California	AVC	37.9160N	118.7325W
Airport Road, California	AARM	39.7653N	121.1718W

Los Alamitos, California	LNAS	33.7892N	118.0545W
Alder Peak, California	PAPM	35.9128N	121.3617W
Alder Springs, California	GAS	39.6548N	122.7152W
Alexander Valley, California	GAXM	38.7108N	122.8622W
Almaden, California	AMC	37.1583N	121.8470W
Alta Sierra Campground, California	WASM	35.7382N	118.5570W
Amargosa, California	AMR	36.3978N	116.4742W
Amos, California	AMS	33.1413N	115.2542W
Anacapa Island, California	AIC	34.0133N	119.4372W
Anderson Peak, California	BAPM	36.1758N	121.6427W
Anderson Reservoir, California	ADR	37.1638N	121.6258W
Angel Island, California	AGC	37.8163N	122.4295W
Antelope Grade, California	PAGM	35.7320N	120.2493W
Antelope Valley, California	BAVM	37.6458N	121.0298W

Anticline Ridge, California	PARM		36.2492N	120.3420W
Antioch, California	CACM		36.9762N	121.7603W
Anzar Reservoir, California	AN9*	Closed	37.0140N	122.0362W
Anzar Road, California	ANZ		36.8847N	121.5909W
Arcata, California	ARC		40.8777N	124.0774W
Arbuckle, California	GARM		38.9552N	122.2522W
Arnica Sink, California	LASM		41.5993N	121.5767W
Arnold Ranch, California	ARN		37.3493N	121.5327W
Arroyo Seco, California	AASM		38.4300N	121.1085W
Arvin, California	ARVC		35.1272N	118.8293W
Auburn Dam, California	ADC	Closed	38.9448N	120.9683W
Bakersfield, California	BF-CL	Closed	35.6481N	118.8575W
Bald Mountain Lookout, California	CBLG		37.7715N	118.8983W
Baldy Mountain, California	GBMM		39.1418N	122.4940W
Barrett, California	BAR		32.6800N	116.6720W
Baryessa Peak, California	NBPM		38.6678N	122.1933W

Bass Mountain, LBMM California		40.7328N	122.3658W
Barry Ridge, KBRM California		40.7298N	123.9557W
Bassetti Ranch, PBRM California		35.5485N	121.0090W
Bat Cave Butte, BATC California		33.4590N	115.8410W
Bay Bridge East, California	BBEB		
Bay Bridge East Pier 7, California	E07B	37.8185N	122.3469W
Bay Bridge East Pier 17, California	E17B	37.8209N	122.3353W
Bay Bridge, San Francisco Anchorage, California	SFAB		
Bay Bridge West Pier 2, California	W02B	37.7903N	122.3880W
Bay Bridge West Pier 5, California	W05B	37.8011N	122.3758W
Bay Bridge Yerba Buena Anchorage, California	YBAB		
Bear Butte, California	KBBM	40.1970N	123.8500W
Bear Creek Rd., LT15 California		37.1603N	122.0262W
Bear Gulch, California	BGH	37.3420N	122.3390W

Bear Mountain, California	BMTC		35.1358N	118.5968W
Bear Valley, California	BVL		36.5752N	121.1890W
Bear Valley Observatory, California	BVC	Closed	38.0397N	122.7925W
Beckwourth, California	BEKR		39.8667N	120.3586W
Beebe Ranch, California	BBR		38.2608N	122.5498W
Beegum Peak, California	LBPM		40.3183N	122.8813W
Bell Springs, California	KBSM		39.9178N	123.5947W
Benton, California	BENR		37.7155N	118.5733W
Berkeley- Byerly, California	BKS		37.8762N	122.2356W
Berkeley- Haviland, California	BRK		37.8735N	122.2610W
Berryessa Peak, California	NBPM		38.6678N	122.1933W
Bertell Ranch, California	BRTC		34.6115N	117.9630W
Big Bear, California	BBC	Closed	34.2417N	116.9083W
Big Chuckwalla Mountains 2, California	BC2		33.6570N	115.4612W
Big Darby, California	GBDM		39.4420N	123.3092W

Big Gulch, California	LBGM		40.8023N	122.5897W
Big Maria Mountains, California	BMM	Closed	35.7567N	114.5857W
Big Mountain, California	BBGM		36.5913N	121.0253W
Birch Creek, California	BCKR		37.6975N	118.3720W
Bird Springs, California	WBSM		35.5370N	118.1395W
Bishop, California	BHPR		37.2995N	118.4873W
	BP-CL	Closed	37.3600N	118.6903W
Bitterwater Creek, California	BTW		36.3150N	120.9292W
Black Canyon North, California	BCHM	Closed	36.0543N	117.7282W
Black Diamond Mine, California	BDM			
Black Fox Mountain, California	LBFM		41.3470N	121.8903W
Black Oak, California	GBOM		38.8243N	122.8248W
Big Maria Mountains, California	BMM	Closed	33.7567N	114.5857W
Big Mountain, California	BBGM		36.5913N	121.0253W
Black Oak, California	GBOM		38.8243N	122.8428W
Black Peak,	BPK		34.1247N	114.2097W

California

Black Mountain, BLKC California		35.0880N	117.2185W
Black Mountain, BMRR California		40.1087N	120.2910W
Black Mountain, JBMM California		37.3182N	122.1527E
Blanchard Fire MBFM Station, California		37.6785N	120.3633W
Bloomer Hill, OBHM California		39.6517N	121.4617W
Bluenose Ridge, KBNM California		39.8927N	123.1940W
Blue Ridge, BLU California		34.4053N	117.7253W
Bob Jauregui ABJM Ranch, California		39.1653N	121.1912W
Bodie, BODR California		38.1628N	118.9702W
Boggs Mountain, GBGM California		38.8140N	122.6793W
Bolinger Road, BGC California		37.8162N	122.0620W
Bonanza King, LBKM California		41.0842N	122.6652W
Bonds Corner, BON California		32.6945N	115.2685W
Boocks Farm, BSCP California		37.7248N	115.0440W
Borrego BRGC Mountain, California		33.1712N	116.1740W



Branch Mountain, California	BCH		35.1850N	120.0842W
Breckenridge Mountain, California	WBMM		35.4510N	118.5833W
Briones, California	BRIB		37.9189N	122.1518W
Brocks Farm, California	BSCP		32.7248N	115.0440W
Brookwook Reservoir, California	BKC		37.9242N	122.1067W
Brophy Road, California	ABRM		39.1352N	121.4868W
Bryson, California	PBYM		35.8150N	121.0815W
Buffer Zone, California	CBZL		37.6917N	121.7157W
Butler Peak, California	BTL		34.2572N	117.0033W
Buzzard Lagoon Road, California	JBZM		37.0178N	121.7858W
Byron Hot Springs, California	CBSM	Closed	37.7968N	121.6462W
Cactus Flat West, California	CFWM	Closed	36.2083N	117.9037W
Cactus Peak West, California	CPTM		36.0710N	117.8498W
Cady Mountains, California	CAD	Closed	34.8167N	116.3333W

Cahill Ridge, California	JCHM		37.5170N	122.3760W
Cahto Peak, California	KCPM		39.6872N	123.5807W
Cahuilla Valley, California	CAHC		33.5037N	116.6985W
El Cajon, California	ECA	Closed	32.8000N	116.9500W
Calabasas, California	CALB		34.1430N	118.6270W
Calaveras Reservoir, California	CVR		37.4512N	121.7992W
Calero Reservoir, California	CB2	Closed	37.1908	121.7652W
California City, California	CALC		35.1035N	117.9477W
Calif. Inst of Technology- Terrascope, California	TERA			
California State College- Haywar, California	CSH	Closed	37.6575N	122.0533W
Calipatria, California	CLIC		33.1408N	115.5273W
Calistoga, California	CLS		38.6367N	122.5850W
Camarillo Hills, California	CAMC		34.2545N	119.0333W
Camp Ben Lomond,	JBLM		37.1282N	122.1680W

California

Camp Elliot, California	CPE		32.8800N	117.1000W
Campo, California	CP-CL	Closed	32.7289N	116.3711W
Camp Pendleton, California	CPT	Closed	33.3025N	117.3395W
Camp Six, California	KSXM		41.8308N	123.8758W
Canada Road, California	CDC		37.0253N	121.4837W
Canebreak, California	CBKC		32.8995N	116.2517W
Canfield Road, California	NCFM		38.3213N	122.7955W
Capetown, California	KCTM		40.4758N	124.3363W
Carmenet Vineyard, California	CVS		38.3453N	122.4584W
Carquinez Bridge, California	CRQB		38.0558N	122.2249W
Carrizo Plain, California	CRR		32.8863N	115.9683W
Carson Hill, California	CRH	Closed	38.0187N	120.5095W
Casa Diablo, Hot Springs, California	DBOG		37.6528N	118.9178W
	MCSM		37.6550N	118.9045W
Casa Diablo Mountain, California	CASR		37.5748N	118.5515W
Casa Juvan, California	CJV		34.5305N	118.1445W

Casitas Dam, California	BCD		34.3687N	110.3438W
Casitas Lake, California	BCL	Closed	34.4125N	119.3612W
Castella, California	LCAM		41.1688N	122.2728W
Castle Mountain, California	CTM		35.9317N	120.3370W
Castle Rock, California	CRC	Closed	37.2417N	122.1303W
Castle Rock Springs, California	GCRM		38.7732N	122.7153W
Catalina Island, California	CIS		33.4067N	118.4033W
Cavedale Road, California	CRD		38.3698N	122.4617W
Cave Mountain, California	CAVC	Closed	35.0523N	116.3392W
Cedar Springs, California	CED	Closed	34.2772N	117.3342W
	CSP		34.2980N	117.3574W
Central Site, California	MCEM		37.9388N	120.5293W
El Centro, California	ECC	Closed	32.7983N	115.5483W
Cerro Alto Campground, California	PCGM		35.4253N	120.7390W
Chalk Rock, California	KCRM		40.4263N	123.8185W
Chamberlain, California	CBC		36.9313N	121.6605W

Chamberlain Ridge, California	GCBM		39.3838N	123.5213W
Chase Ranch, California	CSR		36.9577N	121.5835W
Chemehuevi Mountains, California	CMH	Closed	34.5530N	114.5720W
Chesbro Reservoir, California	CBO		37.1118N	121.6888W
Chews Ridge, California	BCWM		36.3067N	121.5660W
Chico, California	CCO		39.0642N	121.0094W
Chilao Flats, California	CFL		34.3328N	118.0230W
Chimney Peak, California	WCHM		35.8830N	118.0747W
China Gardens South, California	CGSM	Closed	36.1900N	117.6237W
China Lake, California	WCXM		35.7105N	117.5997W
	GPO		35.6494N	117.6619W
	CLC		35.8167N	117.5967W
China Lake Receiver, California	WCXM		35.7105N	117.5997W
Chocolate Mts., California	COT		33.3052N	115.3535W
	CH2		33.2962N	115.3362W
Cholame Valley, California	CVC		35.8242N	120.3512W
Christmas	XMS		35.5233N	117.3547W

Canyon, California				
Chuchupate, California	CHP	Closed	34.8083N	119.0117W
Cienega Road, California	BCGM		36.7092N	121.3433W
Cloverdale, California	GCVM		38.7697N	123.0139W
Coachella, California	COH		32.8635N	115.1227W
Cobb Mountain, California	GCMM		38.8058N	122.7552W
Coe Ranch, California	COE		37.2577N	121.6725W
Cohasset Ridge, California	OCHM		39.8758N	121.7655W
Colby Mountain, California	LCMM		40.1465N	121.5210W
Cold Spring Mountain, California	GCSM		39.0228N	123.5212W
Cold Springs, California	KCSM		40.5377N	123.5127W
Cold Water Canyon, California	CWCR		37.4948N	118.3063W
College of the Siskiyou, California	LCSM		41.4162N	122.3925W
Colson Canyon, California	BCC		34.9397N	120.1720W
	SCCM		34.9413N	120.1720W
Columbia College, California	CMB		38.0346N	120.3865W

Concord, California	CNC	Closed	37.9667N	122.0717W
Cook Canyon, California	CKC		34.1363N	117.1747W
Cook Peak, California	WCOM	Closed	35.6225N	118.4375W
Cook Ranch, California	COK		32.8492N	115.7298W
Copper Mountain, California	CPM		34.1540N	116.1967W
Copperopolis, California	MCUM		37.9727N	120.6170W
Cordoza Dairy, California	HCZM		36.9090N	121.8003W
Corn Cob Canyon, California	HCOM		36.8875N	121.7082W
Corona Quarry, California	COQ	Closed	33.8605N	117.5097W
Corral Hollow, California	CSTL		37.6392N	121.4982W
Coso Basin North, California	CBHM	Closed	35.9882N	117.7500W
Coso Springs South, California	CSSM		36.0263N	117.7668W
Cottonwood Creek, California	CWC		36.4383N	118.0783W
Cottonwood Mountains, California	CTW		33.6797N	115.8717W
Coxcomb Mts., California	CO2		33.8472N	115.3447W

Cow Mountain, California	GCWM		39.1308N	123.0758W
Coyote Hills, California	CYH	Closed	37.5590N	122.0937W
	CCYM		37.5517N	122.0908W
Coyote Mountain, California	COY		33.3640N	116.3105W
Coyote Point, California	JCPM		37.5882N	122.3222W
Crafton Hills, California	CFT		34.0352N	117.1110W
Crescent Cliff, California	LCFM		40.4863N	121.5240W
Crestline, California	CSL		34.2497N	114.2783W
Crevison Peak, California	HCPM	Closed	37.1945N	121.1847W
Crocker Grade, California	CRGC		35.2422N	119.7233W
Crow Canyon Road, California	CYC	Closed	37.7915N	121.9482W
Crowley Lake, California	CLKR		37.5907N	118.8241W
Curry Mountain, California	PCRM		36.0938N	120.4347W
Dalton, California	DLT	Closed	34.1700N	117.8100W
Dalton Road, California	CDAL		37.7300N	121.7283W
Darwin, California	DAC		36.2770N	117.5937W
Death Valley, California	DV-CL	Closed	35.8333N	116.1017W



California

Del Valle, California	CDVM		37.5663N	121.6801W
Desert Hot Springs, California	DHS	Closed	33.9667N	116.5000W
Desert Tortoise Park, California	DTP		35.2675N	117.8453W
Devil Canyon, California	DVL	Closed	34.1998N	117.3283W
Devils Kitchen North, California	DKNM		36.0510N	117.8088W
Diamond Ranch, California	DIR	Closed	36.3363N	120.3763W
Digger Butte, California	LDBM		40.4317N	121.7847W
Dillon Ranch, California	DIL		36.8353N	121.6440W
Domengine Ranch, California	PDRM		36.3357N	120.3687W
Domenigoni Valley Reservoir, California	DGR		33.6500N	117.0090W
Don Santos Ranch, California	CDSM		37.9663N	122.2528W
Doolan Road, California	DOO		37.7300N	121.8353W
Double Butte, California	DB2		33.7350N	117.0620W
Double Mountain,	DBM		34.9790N	118.3605W

California

Downhole Baldwin Hills, California	DHB	34.0175N	118.3855W
Dry Creek, California	GDCM	38.7672N	123.2395W
Duarte Ranch, California	DUC	38.0297N	122.0008W
Dunnigan Hills, California	NDHM	38.7655N	121.9125W
Dry Town Water District, California	ADWM	38.4392N	120.8482W
Dummovintown East, California	DTEM	36.0975N	117.9258W
Eagle Mountain, California	EAG	33.8490N	115.4732W
East Mammoth Hills, California	MEMM	37.6663N	118.9392W
East Mesa, California	EMSC	32.7413N	114.9878W
East Wide Canyon, California	EWC	33.9373N	116.3810W
Echo Falls, California	ECF	34.4580N	119.0907W
Elkhorn Ranch, California	EK4	36.6647N	121.1742W
Elk River, California	EKR	40.6953N	124.1395W
Elkhorn Ranch, California	EKH	36.6647N	121.1742W
Elkhorn Road,	HERM	36.7983N	121.7107W

California

Ellicott, California	JELM		36.9273N	121.8268W
Elmore Ranch, California	ELRC		33.1473N	115.8325W
Elsinore Mountain, California	ELS		33.6478N	117.4272W
Emmet, California	EMT		36.6613N	121.0960W
Empire Grade Road, California	EGR	Closed	37.0352N	122.1042W
Ernie's Place, California	ERPC		32.7435N	115.6627W
Eureka Canyon, California	EUC		37.0507N	121.8093W
Experiment Station, California	EXSG		37.6137N	118.8305W
Falling Springs, California	FAL		34.3098N	117.8092W
Farallon Islands, California	FARB		37.6978N	123.0011W
	NFIM		37.6983N	123.000W
Fargo Canyon, California	FRGC		3.7572N	116.0615W
Farley Peak, California	KFPM		39.6392N	123.4240W
Farallon Islands, California	NFIM		37.6983N	123.0000W
Fargo Canyon, California	FRGC		33.7572N	116.0615W

Feather Falls, California	FEA	Closed	39.6191N	121.2457W
Ferndale, California	FER		40.5767N	124.2617W
Fiddymment Ranch, California	AFRM		38.7923N	121.3485W
Fickle Hill, California	FHC		40.8017N	123.9850W
Fillmore, California	FIL		34.4238N	118.8345W
Flash Two Peak, California	FLSC		34.9688N	117.0365W
Flint Hills, California	HFHM	Closed	36.8882N	121.4688W
Forest Hill Site, California	AFHM		39.0418N	120.7913W
Forest Hills Divide, California	AFDM		38.9480N	120.9273W
Forsythe, California	AN2*	Closed	36.7910N	121.4547W
Fort McArthur, California	FMA		33.7125N	118.2853W
Fort Ross, California	FTR		38.5227N	123.1616W
Fort Tejon, California	FTC		34.8708N	118.8918W
Fox Airport, California	FOXC		34.7330N	118.2307W
Fox Creek California	FOX		40.5212N	123.9922W
Fremont Peak, California	FRF		36.7537N	121.4905W

	FRP		36.7537N	121.4905W
Fresno, California	FRE	Closed	36.7683N	119.7967W
Friant, California	FRI		36.9917N	119.7083W
Frink, California	FRK		33.4008N	115.6368W
Fullerton Airport, California	FLAS		33.8713N	117.9755W
Funeral Mountains, California	FMT		36.6397N	116.7789W
Galileo, California	GALC		35.2137N	117.7547W
Garner Mountain, California	LGMM		41.5997N	121.8352W
Garvey Reservoir, California	GVRC		34.0500N	118.1189W
Gavin Park, California	CGPM		37.6453N	122.0103W
Geyser Peak, California	GGPM		38.7647N	122.8442W
Geysers, California	GDXM		38.8071N	122.7938W
Gilroy Hot Springs, California	GHS		37.0958N	121.4472W
Gilroy West, California	HGWM		37.0170N	121.6532W
Glamis, California	GLA		33.0525N	114.8265W
Glen Avon,	GAV		34.0225N	117.5123W

California

Glenview, California	GGLM Closed	38.8967N	122.7763W
Gold Hill, California	GHC	35.8310N	120.3528W
Gold Rush Inn, California	AGIM Closed	38.8447N	120.9813W
Goldstone, California	GSC	35.3028N	116.8083W
Grace West, California	PGWM	35.1838N	120.6270W
El Granada, California	JEGM	37.5140N	122.4623W
Granite Creek, California	GCC	37.0300N	121.9967W
Granite Pass, California	GRP	34.8043N	115.6045W
Granite Peak, California	LGPM	40.9125N	122.8287W
Grapevine, California	GVN	37.0014N	117.3425W
Gray Butte, California	LGBM	41.3452N	122.1943W
Green Valley Road, California	GVR	38.2807N	122.2148W
Greenwater Valley, California	GWV GWY Closed	36.1852N 36.1867N	116.6697W 116.6706W
Grenada, California	LGRM	41.6392N	122.4805W
Griffith Observatory, California	GOC	34.1130N	118.3017W

Griffith Park, GFP California			34.1293N	118.3098W
Grouse Hill, LGHM California			41.6115N	121.6210W
Grouse Mountain, California	KGMM		40.7588N	123.6743W
Gualala, California	GGUM		38.8565N	123.4978W
Hacienda Drive, AHDM California			39.0483N	121.0765W
Haiwee, California	HAI	Closed	36.1367N	117.9467W
Haiwee Spring South, California	HWSM		36.1050N	117.7607W
Hamilton, California	HMR		38.1547N	121.8003W
Hamilton Opening, California	GHOM		39.0444N	123.5402W
Hamilton Ranch, California	HMR		38.1547N	121.8003W
Hanning Flat, California	WHFM		35.6962N	118.3478W
Harlan Ranch, California	PHAM		35.8360N	120.3985W
Harold F. Ross, California	AHRM		38.8543N	121.0705W
Harris Ranch, California	HRC	Closed	36.7700N	121.4133W
Hastings State Park, California	BHSM		36.3558N	121.5398W
Hat Creek, California	LHCM		40.8050N	121.5140W

California

Havilah, Calif.	WHVM	35.5100N	118.5167W
	HAV	35.5100N	118.5167W
Hayfield, California	HAY	33.7083N	115.6383W
Hayfork Bally, California	KHBM	40.6602N	123.2185W
Haystack Butte, California	HYS	34.8638N	117.5687W
Healdsburg, California	NHBM	38.5893N	122.9090W
Hearst Castle, California	PHCM	35.6822N	121.1525W
Herd Peak, California	LHEM	41.6285N	122.2188W
Hernandez Valley, California	HVC	36.3730N	120.8178W
Hidalgo Mountain, California	HDG	34.4288N	116.3050W
High Hole Crater, California	LHHM	41.5228N	121.5325W
Highland Springs, California	GHLM	39.0405N	123.0187W
High Valley, California	GHVM	39.0850N	122.7343W
Hilton Creek, California	HTCR	37.5298N	118.7710W
Hirz Mountain, California	LHMM	40.8968N	122.2450W
Hoadley Peaks, California	LHOM	40.6852N	122.7500E



California

Hobart Mills, California	HBM HBT	Closed	39.4017N 39.4267N	120.1533W 120.1633W
Hodge, California	HOD		34.8388N	117.2458W
Hodges Ranch, California	BHRM		36.7278N	121.2638W
Hogback Ridge, California	GHGM		39.1283N	122.8245W
Hog Canyon, California	PHGM		35.8760N	120.4835W
Holstrom Ranch, California	JHLM		37.1090N	121.8332W
Holy Cross, California	HCC	Closed	36.9814N	121.7225W
Honcut, California	OHCM		39.3357N	121.4840W
Hopland, California	HOPS		38.9935N	123.0723W
Horse Mountain, California	KHMM		40.8747N	123.7315W
Hot Springs, California	MCSM		37.6550N	118.9045W
Hot Springs Mountain, California	HOT		33.3140N	116.5815W
House Creek, California	GHCM		38.6060N	123.1968W
Huddart Park, California	JHPM		37.4442N	122.3015W
Hull Mountain, California	GHMM		39.4957N	122.9300W
Huron Fishing	PHBM		36.2488N	120.0827W

Bridge, California				
Independence, California	IND		39.4343N	120.2917W
Indian Valley, California	PIVM		35.9065N	120.6823W
Indio Hills, California	INDC		33.8162N	116.2297W
Ingram Ranch, California	ING		32.9883N	115.3102W
Inkopah, California	IKP		32.6488N	116.1080W
Inspiration, California	INS		33.9356N	116.1943W
Iris, California	IRS		33.1908N	115.4292W
Iron Canyon, California	IRC		34.3900N	118.4000W
Iron Mountains, California	IRN		34.1600N	115.1840W
Iron Peak, California	KIPM		39.8087N	123.4805W
Isabella, California	ISA		35.6633N	118.4733W
Jacoby Creek, California	JCC			
Jamestown, California	JAS	Closed	37.9466N	120.4393W
Jamestown, California	JAS1	Closed	37.9267N	120.4210W
Jasper Ridge, California	JRSC		37.4037N	122.2387W
Joaquin Road, California	JJRM		37.3447N	122.2015W

Johnny Jack Ridge, California	KJJM		40.2477N	124.3068W
John's Peak, California	WJPM		35.4108N	118.4807W
John Smith Road, California	HJSM		36.8165N	121.2987W
Johnson Canyon, California	JHC		36.5470N	121.3927W
Jolan Road, California	PJLM		36.0898N	121.1555W
Jolon Road, California	JOL		36.0837N	121.1692W
Joseph F. Staten, California	JFS		35.3508N	117.6700W
Joshua Ridge West, California	JRWM		35.9943N	117.8215W
Joshua Tree Park, California	JTR		33.8140N	115.9002W
Julian, California	JULC		33.0483N	116.3128W
Juniper Hills, California	JNH		34.4475N	117.9545W
Kanaka Peak, California	KPK		39.5833N	121.3053W
Kaiser Creek, California	KCC		37.3236N	119.3187W
Keen Camp Maintenance Station, California	KEE		33.6383N	116.6532W
Kentfield,	KFC	Closed	37.9550N	122.5528W

California

Kern-Tulare, California	WKTM		35.7940N	118.4423W
Kettenpom Peak, California	KKPM		40.1458N	123.3350W
Kettleman Hills, California	PKEM		36.0615N	120.1090W
Key Point, California	KYP		34.1018N	118.8795W
Kinkaid Ranch, California	HKRM	Closed	36.9017N	121.4260W
King Ranch, California	KRC	Closed	35.3267N	119.7450W
Knox Ranch, California	KNO	Closed	35.4833N	118.5283W
Kobayashi Ranch, California	KBY	Closed	33.0402N	115.7010W
Kramer, California	KM-CL	Closed	34.8811N	117.2567W
Kyburz Flat, California	KBF		39.5068N	120.2118W
La Cumbre Peak, California	LPC		34.4965N	119.7135W
Laguna Peak, California	BLG		34.1095N	119.0642W
La Honda, California	LT5	Closed	37.3313N	122.2803W
La Jolla, California	LJC	Closed	32.8633N	117.2533W
Lake Chabot, California	LKC		37.7380N	122.0638W
Lake Herman,	NLHM		38.1198N	122.1478W

California

Lake Hughes, California	LHU		34.6710N	118.4113W
Lakewood Golf Course, California	LGC	Closed	33.8358N	118.1503W
Lancaster, California	LANC		34.7270N	118.0510W
Landers, California	LAC		34.3898N	116.4115W
Last Change Range, California	LCH		37.2347N	117.6472W
Latrobe, California	ALAM		38.5667N	120.9562W
Laurel Mountain, California	LRMC		35.4773N	117.6892W
Lavic, California	LAVC		34.7658N	116.2865W
Laurel Creek, California	LRCG		37.5857N	118.9088W
Lead Mountain, California	LED		34.4677N	115.9365W
Leibel Peak, California	WLPM	Closed	35.5077N	118.4087W
Leona Valley, California	LEOC		34.6313N	118.3037W
Lewis Ranch, California	BLRM		36.6660N	121.2727W
Lexington Reservoir, California	LXR		37.2018N	121.9862W
Lincoln, California	ALNM		38.9297N	121.2878W

Lincoln School, LOC California		38.1525N	122.7125W
Litchfield, California	LITR	40.4308N	120.3208W
Little Chotome Creek, California	LCCB	35.9770N	120.5070W
Little Chuck- walla Mountains, California	LTC	33.4890N	115.0700W
Little Horse, California	WLHM	36.1523N	118.3117W
Little Huntoon Valley, California	LHV	38.2512N	118.5045W
Little Maria Mountains, California	LTM	33.9150N	114.9183W
Little Mount Hoffman, California	LMHM	41.5790N	121.6573W
Little Rabbit Valley, California	LRV	36.4248N	121.0183W
Little Rock Reservoir, California	LRRC	34.5260N	118.0277W
Llanada, California	LLA	36.6167N	120.9433W
Llano, California	LLAC	34.8455N	117.4855W
Lockwood Valley, California	LOK	34.7245N	119.0913W
Loma Prieta, California	JLPM	37.1110N	121.8430W

Lomita, California	LOMS		33.7952N	118.2793W
Lompoc, Calif.	BLP		34.5603N	120.4005W
Lone Oak Road, California	LRC		36.2465N	121.0425W
Lone Tree Road, California	LTR		36.8845N	121.3082W
Lookout Mt. California	LMCR		37.7283N	118.9452W
Lookout Mountain Observatory, California	LMS		34.0692N	118.4403W
	LMO	Closed	34.1086N	118.3878W
Los Angeles Museum of Natural History, California	LCM		34.0178N	118.2870W
Los Trancos Road, California	JTRM		37.3522N	122.1980W
Los Trancos Woods, California	LTW	Closed	37.3537N	122.2042W
Lovejoy Buttes, California	LJB		34.5912N	117.8480W
Lucky Boy Pass, California	LBP		38.4320N	118.7390W
Magalia, California	MGL		39.8117N	121.5575W
Mayacamas Mts., California	GMMM		38.8332N	122.7988W
Mammoth Lakes Airport, California	MLAC		37.6310N	118.8340W
Mammoth Pass,	MMPM		37.6100N	119.0280W

California

Manzanita Entrance, California	LMEM	40.5378N	121.5702W
Manzanita Lake, California	LMZM	40.5943N	121.5643W
	MLC	40.5367N	121.5617W
Marble Canyon, California	MCA	36.6481N	117.2808W
Maricopa, California	MARC	35.0025N	119.3393W
Mark West Springs, California	MAC	38.5505N	145.7228E
Martinez Indian Reservation, California	MIRC	33.4162N	116.0810W
Martis Peak, California	MPK	39.2957N	120.0302W
Marysville, California	MV-CL Closed	39.2131N	121.2931W
Maxey Ranch, California	PMRM	35.7848N	120.2357W
Mayacomas Mountains, California	GMMM	38.8382N	122.7988W
McCloud Flat South, California	MFS	36.1172N	117.8550W
McLaughlin Ranch, California	GMCM	38.7927N	123.1300W
McMillan Canyon, California	PMCM	35.7247N	120.3705W



McPhail's Peak, BMCM Closed California		36.6567N	121.3652W
Mecca Hills, California	MECC	33.6353N	116.0285W
Medicine Lake, California	LMDM	41.5730N	121.6230W
Menlo Park, California	JMPM	37.4556N	122.1656W
	MOB Closed	37.4502N	122.1833W
Mercy Hot Springs, California	BMSM	36.6580N	120.7937W
Middletown, California	NMTM	38.8057N	122.4460W
Mikes Peak, California	CMPM	37.3577N	121.3085W
Milagra Ridge, California	MGA	37.6370N	122.4738W
Mill City, California	MILG	37.6213N	118.9872W
Mill Creek, California	MLL	34.0913N	116.9363W
Military Pass, California	LMPM	41.4883N	122.1615W
Mills College, California	CMCM	37.7183N	122.1758W
Mineral, California	MIN	40.3460N	121.6066W
Mines Road, California	MNR	37.5947N	121.6370W
	CMNM	37.6275N	121.7083W
El Mirage, California	ELMC	34.5262N	117.6401W
Mission San Jose, California	MSJ	37.5208N	121.8705W

Mix Canyon Rd.,MIX California		38.4113N	122.0573W
Miwuk Village, MMWM California		38.0638N	120.1815W
Modoc, California	MOD	41.9024N	120.3029W
Moffit Ranch, California	GMOM	38.7102N	123.1432W
Mojave River Dam, California	MRD	34.6757N	117.2408W
Monarch Peak, California	MOP	36.2152N	120.7948W
Mono Craters, California	MCRR	37.8872N	118.9937W
Mono Lake, California	ML1CL Closed	37.8806N	118.8494W
	ML2CL Closed	38.0806N	119.2442W
	ML3CL Closed	37.5494N	118.8153W
	ML4CL Closed	38.3058N	119.5536W
Mono Valley, California	MONR	38.0608N	118.7758W
Montebello Ridge, California	MTB Closed	37.2907N	122.0905W
Monterey California	MTR	36.6005N	121.9177W
Morgan Territory, California	MTC	37.8113N	121.8025W
Morongo Valley, California	MRVC	34.1558N	116.5017W
Mountain Pass, California	MTPC	35.4848N	115.5533W
Mount Abel,	ABL	34.8508N	119.2208W

California

Mount Davis, California	MDA		33.9130N	116.9995W
Mount Diablo, California	MDC	Closed	37.8817N	121.9142N
Mount Johnson, California	BJOM		36.6283N	121.3133W
Mount Hamilton, California	MHC		37.3416N	121.6426W
	MHR		37.3595N	121.7563W
Mount Harlan, California	BMHM	Closed	36.6863N	121.4133W
Mount Harkness, California	LHKM		40.4353N	121.2778W
Mount Konoctai, California	GMKM		38.9695N	122.7870W
Mount Lassen, California	LAS	Closed	40.4752N	121.5082W
Mount Lewis, California	CMLM		37.4733N	121.6515W
Mount Mocho, California	CMMM		37.4557N	121.4937W
Mount Olympus, California	OLYC		33.4313N	117.1175W
Mount Oso, California	COSM		37.5085N	121.3740W
Mount Pierce, California	KMPM		40.4173N	124.1202W
Mount Saint Helena, California	NMHM	Closed	38.6695N	122.6338W
	SHC		38.6703N	122.6338W
Mount Signal, California	SGL		32.6492N	115.7253W
Mount	NTPM		37.9200N	122.5630W

Tamalpais, California			
Mount Umunhum, California	JUMM	37.1608N	121.8977W
Mount Wilson, California	MWC	34.2238N	118.0577W
Navarro Ridge, California	GNAM	39.1975N	123.6308W
Needles, California	ND-CL Closed	34.5992N	115.5514W
	NEE	34.8230N	114.5960W
New Almaden Mine, California	JNAM	37.1770N	121.8447W
New Hogan Reservoir, California	MNHM	38.1458N	120.8137W
New River, California	NW2	33.0905N	115.6923W
Nine Mile Canyon, California	NMC	35.8428N	117.9048W
Nopah Range, California	NOP	36.1281N	116.1528W
Norris Canyon Road, California	CNCM	37.7560N	121.9900W
North of Casa, California	NOCG	37.6875N	118.9190W
Oak Flat, California	WOFM	35.5357N	118.7125W
Obsidian Butte, California	OBB Closed	33.1673N	115.6367W
O'Byrne Ferry, California	MOYM	37.9000N	120.5673W

Ocean Bottom Seismometer, California	OBS	Closed	38.0920N	124.5440W
O'Connell Ranch, California	OCR		36.9172N	121.5077W
Olema, California	OLC	Closed	38.0397N	122.7925W
Olema, California	NOLM		38.0397N	122.7925W
Onyx Ranch, California	WORM		35.6965N	118.2420W
Oregon House, California	AOHM		39.3753N	121.2560W
Oricopia Mountain, California	ORCC		33.5662N	115.7692W
Orleans Mountain, California	KOMM		41.2788N	123.4522W
Oroville, California	ORV		39.5545N	121.5004W
Osito Adit, California	OSI		34.6144N	118.7235W
Outingdale, California	AODM		38.6148N	120.7285W
Owens River, California	ORC		37.6353N	118.6560W
Pacheco Lake, California	PCL		37.0522N	121.2900W
Palermo, California	PAM		39.4488N	121.5197W
Palm Springs, California	PSP		33.7938N	116.5388W
Palo Alto--	PAC	Closed	37.4167N	122.1817W

Branner, California				
Palos Verdes California	PVPS		33.7867N	118.4025W
	PVR	Closed	33.7583N	118.3567W
	PVRC		33.7522N	118.3705W
Palomar, California	PLM	Closed	33.3534N	116.8617W
Palomares Road, California	PLC	Closed	37.6313N	121.9562W
	CPLM		37.6375N	121.9607W
Panamint Range, California	PANV		36.3983N	117.0992W
Panamint Range, California	PGE		33.3489N	117.0658W
Paraiso, California	PRS		36.3317N	121.3700W
Park Hill, California	PKH		36.8563N	121.4062W
Parkfield, California	PKD1		35.8894N	120.4261W
	PKD		35.9542N	120.5416W
Parkfield Array, California	PKF		35.8818N	120.4135W
Pasadena, California	PAS		34.1483N	118.1717W
Pasadena High School, California	PHS		-----	
Paso Robles, California	PPRM		35.6477N	120.7007W
Paul Wright Trailer, California	PWTG		38.2773N	119.2523W

Peach Tree Valley, California	PTV		36.1083N	120.7212W
Peak Mountain, California	PKM		34.8958N	119.8188W
Peckham Road, California	PKC	Closed	36.9532N	121.6950W
Perris, California	PEC		33.8919N	117.1607W
	PRR	Closed	33.7800N	117.2333W
Pescadero, California	PSD		37.1990N	122.3483W
Pfieffer Point, California	BPFM	Closed	36.2300N	121.7717W
Picacho Peak, California	PIC		32.9142N	114.6432W
Pickett Peak, California	KPPM		40.3460N	123.3622W
Pierce Ferry, California	PFA		36.1208N	114.0047W
Pilarcitos Creek, California	PCC		37.500N	122.3817W
Pilot Knob, California	PLT		33.7312N	114.7293W
Pine Canyon, California	BPCM	Closed	36.5650N	121.6358W
	PNC		36.5622N	121.6363W
Pine Mountain, California	PEM		34.1673N	117.8697W
	GPMM		38.8475N	122.9463W
Pinnacles, California	BPIM		36.4900N	121.1685W
Pinole Ridge, California	CPIM		37.9889N	122.2147W

Pinto Mountains, California	PNMC		33.9773N	115.8008W
Pinyon Flat Observatory, California	PFO		33.6092N	116.4553W
Pinyon Peak, California	BPPM	Closed	36.1687N	121.3780W
Piper Mountain, California	PPK		37.4264N	117.9072W
Piute Mountains, California	PIU	Closed	34.7403N	115.0940W
Pizona Creek, California	PZC		37.9652N	118.5683W
Placer Hill Site, California	AFHM		39.0418N	120.7913W
Plant 15-Mercuryville, California	GFTM		38.7930N	122.8340W
Pleasant Valley, California	PEV		36.9770N	121.8322W
Pleasanton Water Tower, California	CPNM		37.6502N	121.8617W
Pleito Hills, California	PLEC		34.9685N	119.0680W
Point Arena AFB, California	GAFM	Closed	38.8932N	123.5380W
Point Dume, California	PT2		34.0042N	118.8064W
Point Molate, California	CPMM		37.9490N	122.4077W
Point Reyes, California	NPRM		37.9965N	123.0163W



California	PRC	Closed	38.0800N	122.8667W
Point Sur Hydrophone, California	PSUR		36.3016N	122.3933W
Polly Butte, California	POB		33.6867N	116.9233W
Pomona, California	PCF		34.0532N	117.7907W
	POM		34.1000N	117.7167W
Ponciana Ridge, California	BPRM		36.4070N	121.7295W
Pondosa, California	LPDM		41.1953N	121.6960W
Poppy Hill Road, California	APRM		38.8770N	121.2172W
Portola State Park, California	LT3		37.2635N	122.2130W
Post Ranch, California	BPOM		36.2287N	121.7667W
Potrero Hills, California	POTR		38.2026N	121.9354W
Poverty Ridge, California	CB7	Closed	37.4292N	121.7425W
Presidio of San Francisco, California	JPRM		37.7950N	122.4738W
Priest, California	PRI		36.1417N	120.6650W
Pyramid, California	PYR		34.5680N	118.7411W
Quail Lake, California	QAL		34.7497N	118.7147W

Queen of Sheba QSM Mine, California		35.9656N	116.8683W
Quien Sabe Ranch, California	QSR	36.8337N	121.2127W
La Quinta, California	LAQC	33.6280N	116.2797W
Rackout Springs, California	KRKM	39.5628N	123.1822W
Railroad Flat South, California	MRFM	38.2453N	120.5207W
Rancho Los Cerritos, California	LCL	33.8333N	118.1925W
Rancho Navarro, California	GRNM	39.1753N	123.5755W
Rancho Palos Verdes, California	RPV	33.74380N	118.4035W
Rattlesnake Point, California	ORAM	39.4687N	121.4135W
Raywood Flat, California	RAY	34.0363N	116.8112W
Reche Mountain, California	RCH Closed	34.3073N	116.3505W
Recreation Park, California	RCP2	33.7777N	118.1333W
Redding Peak, California	LRDM	40.4642N	121.4612W
Red Mountain, California	KRMM	41.5218N	123.9052W
Red Rock	MRCM	37.6717N	118.5163W

Canyon, California				
Redwood Retreat, California	JRRM	37.0545N	121.7268W	
Renegade Canyon West, California	RCWM	35.9502N	117.6473N	
Reyes Peak, California	RYS	34.6433N	119.3513W	
Richard P. Wilkes, California	ARWM	38.9563N	121.1622W	
Richmond Field, California	RFSB	37.9161N	122.3361W	
Richmond-San Rafael Bridge, California	RSRB	37.9358N	122.4465W	
Rickey Ranch, California	ARRM	39.7653N	121.1718W	
Rimrock, California	RMR	34.2128N	116.5753W	
Rio Vista Mine, California	RVM Closed	34.1803N	114.2003W	
Riverside, California	RVR	33.9933N	117.3750W	
Riverside Mountains, California	RVS	34.0347N	114.5180W	
Roach Canyon, California	PRCM	36.2562N	120.6200W	
Robert W. Jensen, California	ARJM	38.6865N	120.9563W	
Rodeo Gulch Road,	JRGM	37.0370N	121.9645W	

California

Rodgers, California	KRPM		41.1582N	124.0230W
Rodman Mountain, California	ROD	Closed	34.6297N	116.6048W
Rogers, California	KRPM		41.1582N	124.0230W
Rolling Bench Mark, California	BRMM		36.8345N	120.8637W
Rose Pump, California	RSE		32.9255N	115.4992W
Rose Valley Central, California	RVCM		36.0080N	117.8900W
Russelman Park, California	CRPM		37.9125N	121.9055W
Round Mountain, California	RDM	Closed	34.4000N	117.1850W
	RRC			
Round Mountain, California	RMT	Closed	39.9172N	122.6695W
	GROM		39.9173N	122.6705W
	GRMM		39.0205N	122.5843W
Round Top Mt., California	GRTM		38.9387N	122.6697W
Ruthven, California	RUN		32.9722N	114.9772W
Saddle Back Butte, California	SBB		34.6883N	117.8250W
Saddleback Mountain, California	SBKC		35.0788N	117.5813W

Saddle Peak, California	SADC		34.0810N	118.6650W
Saint Francis Retreat, California	HSFM		36.8120N	121.4995W
Saint Helena Road, California	NSHM		38.5200N	122.6072W
Saint Joseph's Seminary, California	SJH		37.3338N	122.0913W
Saint Mary's College, California	SMCB		37.8388N	122.1116W
Salinas Radio Site, California	BSRM		36.6665N	121.5187W
	SRC	Closed	36.6685N	121.5188W
Saltdale, California	SDLC		35.3805N	117.8867W
Salton Sea Test Base, California	SLTC		33.2648N	115.9232W
San Andreas, California	SAC		37.5825N	122.4172W
San Andreas Geological Observatory, California	SAO		36.7640N	121.4472W
San Andreas Lake, California	JSLM		37.5760N	122.4233W
	LT9	Closed	37.5760N	122.4233W
San Antonio Reservoir, California	PANM		35.7797N	120.9073W
San Ardo, California	PSAM		36.0253N	120.8883W
Sand Canyon,	SNDC		35.1430N	118.3022E

California

San Benito, California	SBT		36.5095N	121.0762W
San Bernardino Valley, California	SBVC		34.0881N	117.3105W
San Bruno Mountain, California	JSBM		37.6790N	122.3967W
San Clemente Island, California	SCI		32.9800N	118.5467W
Sand Canyon, California	SNDC		35.1430N	118.3022W
Sandia, California	CSAM		37.6737N	121.7042W
San Diego-- College, California	SND		32.7667N	117.0667W
San Diego-- Robinson, California	SDC	Closed	32.6833N	117.2417W
San Felipe, California	SFL		36.9833N	121.4015W
San Francisco, California	SFB	Closed	37.7767N	122.4517W
	SFC		37.7667N	122.4167W
San Francisco Randall Museum, California	SFM		37.7644N	122.4369W
San Francisco Rincon, California	SFR	Closed	36.7880N	122.3895W
San Joaquin Reservoir, California	SJQ		33.6200N	117.8450W

San Juan Bautista, California	HBTM		36.8502N	121.5507W
San Juan Grade, California	HJGM		36.7980N	121.5738W
San Leandro Hills, California	CSLM		37.7243N	122.1183W
San Luis Dam, California	HSLM		37.0802N	121.0942W
	SLD		37.0747N	121.2206W
San Miguel Island, California	BSM		34.0375N	120.3498W
San Nicholas Island, California	BSN		33.2480N	119.5067W
	SNC	Closed	33.2483N	119.5233W
	SNCC		33.2480N	119.5240W
San Onofre, California	SNS		33.4322N	117.5388W
San Pablo Dam, California	ZSP		37.9450N	122.2567W
San Pablo Ridge, California	CSPM		37.9575N	122.3108W
San Pedro Hill, California	SPH	Closed	33.7467N	118.3347W
San Ramon, California	CRAM		37.7672N	1219375W
San Sevaime California	SS2		34.2077N	117.4997W
San Ysidro, California	SYS		32.5797N	116.9115W
Santa Barbara, California	SBC		34.4417N	119.7133W

Santa Barbara Island, California	SBI		33.4807N	119.0287W
Santa Catalina Island West, California	CIW		33.4053N	118.5517W
Santa Clara County Offices, California	SCCB			
Santa Clara-- Ricard, California	SCL	Closed	37.3500N	121.9500W
Santa Cruz, California	SCZ		36.5980N	121.4030W
	SCC	Closed	37.0067N	121.9967W
Santa Cruz Island, California	BSC		33.9947N	110.6332W
Santa Margarita, California	PMGM		35.4298N	120.5203W
Santa Rosa Mine, California	SME		33.8277N	117.3553W
Santa Rosa Mountain, California	SMO		33.5358N	116.4617W
Santa Theresa Hills, California	JSTM		37.2068N	121.7973W
Santa Ynez Peak, California	SYP		34.5267N	119.9783W
San Ysidro, California	SYS		32.5797N	116.9115W
Saratoga Golf Course, California	SGC		37.2827N	122.0500W



Sawmill, California	SWM		34.7183N	118.5817W
Sawmill Road, California	JSMM		37.2123N	122.1677W
Schaffner Ranch, California	SNR		32.8618N	115.4368W
Scobie Ranch, California	PSRM		35.8578N	120.2802W
Scott Ranch, California	STTC		34.7885N	118.4618W
Sears Point, California	SNT		38.1827N	122.4533W
See Canyon, California	PSEM		35.2452N	120.7647W
El Segundo, California	ESGS		33.9163N	118.4198W
Seigler Ranch, California	GSGM		38.8672n	122.7097W
Seven Oaks Dam, California	SVD		34.1045N	117.0970W
Shandon, California	PSHM		36.5908N	120.4153W
Shasta Dam, California	SHS	Closed	40.6950N	122.3883W
Sheep, California	HSPM		37.1152N	121.5157W
Sheep Hole Mountains, California	SHH		34.1877N	115.6545W
Sheriff Wilson, California	SWNG		37.6382N	118.8917W
Sherwood Peak, California	KSPM		39.5173N	123.5015W

Ship Mountains, SPM California		34.4720N	115.4027W
Shirttail Gulch, California	SHG	36.4138N	121.2537W
Short Canyon, California	WSCM	35.7043N	117.8865W
Sidewinder Mine, California	SDW	34.6092N	117.0742W
Silva Ranch, California	BSLM	36.7755N	121.3493W
Silver Creek, California	SVC Closed	37.2852N	121.7725W
Silver Peak, California	SIL	34.3478N	116.8267W
Simi Peak, California	SI2	34.2039N	118.7989W
Skaggs Springs, California	SKG	38.7020N	123.0135W
Slate Mountain, California	ASMM	38.8233N	120.6833W
Slide Mountain, California	KSMM	40.1858N	124.1747W
Slough House Road, California	ASRM	38.4977N	121.2088W
Smith Mountain, California	PSMM	36.0697N	120.5947W
Snort, California	SRTC	35.6918N	117.7493W
Snow Mountain, California	GSNM	38.9405N	123.1917W
Socrates Mine, California	GSMM Closed	38.7692N	122.7812W

California

Soda Springs, California	SOS		37.1695N	121.9307W
Solana Beach, California	SLBC	Closed	33.0010N	117.2690W
Soledad Mission, California	BSMM		36.3833N	121.4278W
South Base Booster, California	BOOC		34.8680N	117.9103W
South Grapevine Mountains, California	SGV		36.9811N	117.0322W
South Lassen, California	LSLM		40.4337N	121.5362W
Spangler Hills, California	WSHM		35.6327N	117.4917W
Squaw Tit, California	TIT		41.0733N	123.9800W
Stanford, California	STAN	Closed	37.4039N	122.1751W
Stanford Telescope, California	SFT		37.4052N	122.1758W
Stent, California	MSTM		37.9045N	120.4048W
Stepladder Mountains, California	STP	Closed	34.5712N	114.8480W
Stevens Creek, California	SEC		37.2845N	122.1237W
Stimpson Lane, California	OSTM		39.3688N	121.5970W
Stockdale	PSTM		35.9288N	120.5083W

Mountain, California				
Stone Canyon, California	BSCM	Closed	36.6330N	121.2342W
Stone Canyon Observatory, California	STC	Closed	36.6350N	121.2397W
Stone Canyon Reservoir, California	SCY		34.1062N	118.4542W
	SCYB		34.0160N	120.5380W
Stone Valley, California	CSVM		37.8647N	122.0027W
Striped Hills, California	SDH		36.6456N	116.2017W
Sugarloaf Mountain West, California	SMWM		36.0193N	117.8458W
Sunset Peak, California	SSK		34.2107N	117.6930W
Superstition Mountain, California	SUP		32.9552N	115.8238W
	SMTC		32.9490N	115.7200W
Sutter Buttes, California	OSUM		39.2712N	121.8523W
	SUTB			
Swanson's Bluff, California	BSBM	Closed	36.7378N	121.2868W
Table Mountain, California	OTBM	Closed	39.5457N	121.5610W
	TMC		34.3750N	117.6933W
Taft, California	TF-CL		35.1636N	119.9675W
Taylor, California	NTYM		38.3895N	122.6617W
Taylor Farm,	CTFL		37.6463N	121.6725W

California

Taylor Mountain, California	NTMM		38.3858N	122.6805W
Taylor Ranch, California	TRC		35.9455N	120.4742W
Tehachapi Microwave, California	THC	Closed	34.9087N	118.6635W
Tejon Ranch, California	TJR		35.0275N	118.7425W
El Tejon, California	TEJ		35.2298N	118.6895W
Temblor Range Southeast, California	TMB		35.0873N	119.5347W
Tesla Road, California	CTLM	Closed	37.6573N	121.6438W
Thornton Park, California	SATS		33.7078N	117.8905W
Thompson Ridge, California	KTRM		41.9087N	123.3765W
Three Sisters, California	THRC		34.5532N	117.7183W
Tinemaha, California	TIN		37.0550N	118.2283W
Tinkers Knob, California	TNK		39.2675N	120.2358W
Tin Mountain, California	TMO		36.8053N	117.4081W
Tomales Bay, California	NTBM		38.2478N	122.9310W
Tower One, California	TOW		35.8090N	117.7643W

Tripped Ranch, TPRS California		34.0888N	118.5867W
Tropico Hills, TPO California		34.8788N	118.2277W
Trough Springs,GTSM California		39.3117N	122.6025W
Trout Gulch JTGM Rd., California		37.0285N	121.8763W
Tungsten Hills,MTUM California		37.3533N	118.5635W
Turnbull TCC Canyon, California		33.9945N	118.0128W
Turtle TTM Mountains, California		34.3353N	114.8275W
Tuscan Springs,LTCM California		40.2083N	122.1242W
Twentynine TPC Palms,California		34.1058N	116.0488W
	TN-CL Closed	34.1983N	115.9500W
Twin Lakes, TWL California		34.2783N	118.5945W
Twin Peaks, TWN California	Closed	26.0527N	121.5075W
Twisselman PTRM Ranch, California		35.6547N	120.2112W
Tyrgana, TRG California		52.8000N	106.3000W
Ubehebe Crater,UCN California			
Ukiah, UK-OR California		45.0931N	118.8986W
	UKI	39.1372N	123.2106W

University of Calif. Santa Cruz, California	JUCM		37.0012N	122.0485W
University of California Stadium, California	CMSB		37.8719N	122.2517W
University of Southern Calif, California	USC		34.0178N	118.2870W
Vallecitos, California	CVLM		37.6263N	121.8357W
Valley Road Site, California	AVRM		39.0248N	121.2680W
Van Goodin Ranch, California	OGOM		39.6537N	121.6120W
Verdi Peak, California	VPK		39.4747N	120.0373W
Veterams Adm. Hospital, California	CVAL		37.6183N	121.7582W
Victorville, California	VTV		34.5670N	117.3333W
Villa Park Dam, California	VPD		33.8160N	117.7622W
Vineyard, California	VIN	Closed	36.7500N	121.3850W
Vineyard, California	VIT	Closed	36.7500N	121.3883W
	BVYM		36.7493N	121.4133W
Vista, Calif.	VSTC		33.1567N	117.2317W
Vista Grande, California	VG2		33.8318N	116.8092W
Volcano Peak	VPDM		35.9495N	117.8167W

East, California

Vollmer Peak, California	CVPM		37.8840N	122.2220W
Walker, California	WAKR		38.5044N	119.4372W
Walker Ridge, California	WKC	Closed	40.3933N	124.2875W
	WKC2	Closed	40.3892N	121.2955W
	GWKM		39.0520N	122.4910W
Walker Pass, California	WWPM		35.7355N	118.0870W
Warm Springs, California	WSP		34.5962N	118.5787W
Wente Brothers Winery, California	WENL		37.6228N	121.7572W
Westland Maintenance Station, California	PWMM		36.4328N	120.2110W
Westmoreland, California	WML		33.0152N	115.6225W
Whipple Mountains #2, California	WH2	Closed	34.3145N	114.4092W
Whiskeytown Dam, California	WDC		40.5799N	122.5411W
Whitewater, California	WWR		33.9918N	116.6560W
Wiest Lake, California	WLK		33.0513N	115.4907W
Williams Ranch, California	WRC	Closed	35.2983N	118.6117W
Wister, Calif.	WIS		33.2760N	115.5930W



Wonder Ranch, California	GWRM		39.2072N	123.2988W
Woodside, California	WDS	Closed	37.4180N	122.2722W
Woody, Calif.	WDY	Closed	35.7000N	118.8433W
Work Ranch, California	WKR		35.8145N	120.5112W
Wright Ranch, California	NWRM	Closed	38.4570N	122.8877W
Wyandotte, California	OWYM		39.4530N	121.4868W
Yaqui Meadows, California	YAQ		33.1680N	116.3500W
Yeguas Mountain, California	YEG		35.4363N	119.9593W
Yerba Buena Is, California	YBIB		37.8142N	122.3592W
	CYBM		37.8113N	122.3608W
Yreka, California	YR-CL	Closed	41.6352N	122.7539W
Yreka Blue Horn, California	YBH		41.7320N	122.7104W
Yuha Desert, California	YUH		32.6477N	115.9230W
Boulder, <b>Colorado</b>	BDC	Closed	40.0050N	105.1581W
	BOU	Closed	40.0083N	105.2708W
	BO1	Closed	40.0128N	105.2517W
Craig, Colorado	CGC	Closed	40.5233N	107.5625W
Denver, Colorado	DEN		39.7917N	105.0333W
Derby,	DER	Closed	39.8678N	104.8836W

Colorado

Durango, Colorado	DR-CO	Closed	37.4647N	107.7833W
	DGC	Closed	37.2625N	107.8989W
Eagle, Colorado	EGC	Closed	39.6525N	106.8281W
Franktown, Colorado	FK-CO	Closed	39.5867N	104.4617W
Grand Junction, Colorado	GJC	Closed	39.0906N	108.5269W
Golden, Colorado	GOL	Closed	39.7003N	105.3711W
	GLD		39.7492N	105.2201W
Headquarters, Colorado	HDQ	Closed	39.5583N	105.0792W
Highlands Ranch, Colorado	HLR	Closed	39.5372N	104.5744W
Idaho Springs, Colorado	ISCO		39.7997N	105.6134W
Montrose, Colorado	MRC	Closed	38.4706N	107.8600W
Pagosa Springs, Colorado	PGS	Closed	37.2653N	107.0208W
Paradox Valley, Colorado				
The Burn	PV01		38.1344N	108.5703W
Monogram Mesa	PV02		38.2073N	108.7372W
Wild Steer	PV03		38.2543N	108.8480W
Carpenter Flat	PV04		38.3934N	108.9054W
Three Step	PV05		38.0782N	109.0992W
Coal Canyon	PV06		38.3325N	108.4577W
Long Mesa	PV07		38.4380N	108.6467W

Montpelier	PV08		38.5763N	108.6471W
North La Sal	PV09		38.4987N	109.1335W
South La Sal	PV10		38.3763N	109.0388W
Poorman Mine, Colorado	PMC	Closed	40.0300N	105.3369W
Rangely, Colorado	RGC		40.1042N	108.9270W
Ridgeway, Colorado	RGC		40.1042N	108.9270W
	RW1		38.2587N	105.7890W
	RW2		38.3080N	107.7273W
	RW3		38.2502N	107.6870W
	RW4		38.1568N	107.6157W
	RW5		38.0800N	107.8325W
	RW6		38.2023N	107.9338W
Rio Blanco, Colorado	RBC	Closed	39.8425N	108.3922W
Somerset, Colorado	SMC		38.9333N	107.4578N
South Ingalls, Colorado	SIG	Closed	39.6878N	105.0647W
Trinidad, Colorado	TJC		37.2169N	104.6912W
	TDC	Closed	37.2536N	104.3347
Waterton, Colorado	WTC	Closed	39.5143	105.1375W
Avery Point, <b>Connecticut</b>	APT	Closed	41.3160N	72.0639W
Bridgeport, Connecticut	BPT	Closed	41.2221N	73.2422W
Brookfield, Connecticut	BCT		41.4933N	73.3839W

Cave Hill, Connecticut	MD3		41.5066N	72.4715W
Chaplin, Connecticut	CPL		41.7890N	72.10723W
East Canaan, Connecticut	ECN			
Ellsworth, Connecticut	ECT		41.8346N	74.4113W
Haddam, Connecticut	HDM	Closed	41.4858N	72.5232W
Haddam Neck, Connecticut	MD4		41.5023N	72.5121W
Hartford, Connecticut	HHR	Closed	41.7500N	72.6833W
Lakeside, Connecticut	LSCT		41.6784N	73.2244W
Moodus, Comstock Bridge, Connecticut	MD1		41.5529N	72.4667W
New Haven (Yale), Connecticut	NHC	Closed	41.3167N	72.9000W
North Stonington, Connecticut	NSC	Closed	41.4808N	71.8516W
Pickerel Lake, Connecticut	MD2		41.5314N	72.4337W
Cave Hill, Connecticut	MD3		41.5066N	72.4715E
Haddam Neck, Connecticut	MD4		41.5023N	72.5121E
Shailerville, Connecticut	MD5		41.4551N	72.4950W

Talcott Mountain, Connecticut	TMT	Closed	41.8114N	72.7989W
Univ. of Connecticut Storrs, Conn.	UCT	Closed	41.8317N	72.2506W
Yale (New Haven), Connecticut	YLE		41.3150N	72.9365W
Bald Eagle, <b>Washington, D.C.</b>	BED	Closed	38.8200N	77.0089W
Baw Faw Mountain, Washington, D.C.	BFW		46.4867N	123.2148W
Carnegie Inst. Of Washington, Washington, D.C.	DTM	Closed	38.9567N	77.0644W
Georgetown, Washington, D.C.	GEO		38.9000N	77.0667W
National Naval Medical Center, Washington, D.C.	NHB		39.0016N	77.0833W
Naval Research Laboratory, Washington, D.C.	NRL	Closed	38.8333N	77.0833W
Washington, D.C.	WAS	Closed	38.8925N	77.0331W
Washington Science Center, Washington, D.C.	WSC		39.0301.8N	77.0725.2W
Blackbird State Forest, <b>Delaware</b>	BBD	Closed	39.3461N	75.6767W
Bellevue State	BVD		39.7749N	75.4493W

Park, Delaware

Brandywine State Park, Delaware BWD 39.7994N 75.5767W

Georgetown, Delaware GTD Closed 38.7414N 75.4144W

Greenwood, Delaware GWDE 38.8256N 75.6171W

Newark, Delaware NED 39.7042N 75.7082W

Belleview, Florida BE-FL Closed 28.9053N 82.0644W

Disney Wilderness Preserve, Florida DWPF 28.1103N 81.4328W

Everglades, Florida EVE 25.3873N 80.6828W

Gainesville, Florida GAI 29.6458N 82.3394W

Jacksonville, Florida JAC Closed 30.4167N 81.6500W

Kennedy Space Center, Florida KSC

Orlando, Florida OR-FL Closed 28.4669N 81.2214W

Miami, Florida MIA Closed 25.9167N 80.3000W

Pensacola, Florida PEN Closed 30.4667N 87.1833W

Pensacola Junior College, Florida PJC 30.4806N 87.2011W

Richmond, Florida RIC Closed 25.6167N 80.4167W

Whiting Field Milton, Florida	WFF	Closed	30.7083N	87.0167W
Americus, <b>Georgia</b>	AMG		32.05943N	84.2177W
Atlanta, Georgia	ATL		33.4333N	84.3375W
Brasstown Bald, Georgia	BBG		34.8740N	83.8110W
Carters Dam, Georgia	CDG		34.6108N	84.6713W
Clark Hill, Georgia	BEVG		34.0893N	82.7333W
	CH5		33.7333N	82.3250W
	CH6		33.8792N	82.5194W
Clark Hill Reservoir, Georgia	IVAG	Closed	33.2721N	83.7460W
	LDVG		34.1478N	82.6833W
Dalton, Georgia	DALG		34.6088N	85.0137W
Eatonton, Georgia	ETG		33.2912N	83.3507W
Godfrey, Georgia	GOGA		34.4112N	84.4666W
Grassy Mountain, Georgia	GMG		34.8627N	84.6703W
Greensboro, Georgia	GBG		33.4985N	83.2112W
Lafayette, Georgia	LA-GA	Closed	34.8572N	85.4500W
Lookout Mountain, Georgia	LKGA		34.6233N	85.4722W
Rock City,	RCG		34.9750N	85.3480W

Georgia

Rock Eagle, REG 33.4421N 83.3371W  
Georgia

Rocky Mountain TVGG Closed 34.3772N 85.3023W  
Net, Georgia

Rome, Georgia RMG 34.3679N 85.2816W

Wallace Dam, WDG 33.3440N 83.1752W  
Georgia

Ahua, AHA 19.3733N 155.2650W  
**Hawaii**

Ainapo, Hawaii AIN 19.3750N 155.4603W

Barette, BAH Closed 21.3397N 158.0772W  
Hawaii

Captain Cook, CPH 19.4882N 155.9182W  
Hawaii

Cone Peak, CPK 19.3950N 155.3283W  
Hawaii

Dandelion, DHH 19.3570N 155.6673W  
Hawaii

Desert, Hawaii DES 19.3367N 155.3883W

Diamond Head, DHH 21.2686N 157.8042W  
Hawaii

Escape Road, ESR 19.4113N 155.2388W  
Hawaii

Fern Forest, FEF 19.4783N 155.1485W  
Hawaii

Guatemala GB01 3.9981N 91.9981W  
Basin, North

Pacific Ocean GB02 6.5509N 93.5519W

GB03 7.8381N 94.3869W

GB04 12.7400N 91.0161W

GB05 12.6519N 90.9489W



	GB06		12.6939N	90.8519W
	GB07		12.7911N	90.9119W
	GB08		12.7164N	90.9369W
Haleakala, Hawaii	HLK		20.7667N	156.2500W
	HKL		20.7106N	156.2592W
Hale Pohaku, Hawaii	HPU		19.4651N	155.2730W
Hali-Pohaku, Hawaii	HPU		19.7808N	155.4583W
Hawaii-2 Observatory, Hawaii	H2O		27.8819N	141.9917W
Hawaii Institute of Geophysics, Hawaii	HIG		21.2847N	157.8194W
Hawaii Island, Hawaii	HW-IS	Closed	19.9803N	155.7056W
Hawaiian Beaches, Hawaii	HBH		19.5315N	154.8982W
Hawaiian Volcano Observatory Kilauea, Hawaii	HVO		19.4233N	155.2933W
Heiheiahulu, Hawaii	HUL		19.4188N	154.9787W
Hilina Pali, Hawaii	HLP		19.2993N	155.3105W
Hilo, Hawaii	HIL		19.7200N	155.0883W
Honolulu, Hawaii	HON		21.3242N	158.0006W
	HNL	Closed	21.3583N	157.8097W

Honuapo, Hawaii	HPO		19.0889N	155.5539W
Hot Caves, Hawaii	HTC		19.2388N	155.4003W
Hualalai, Hawaii	HUH		19.6875N	155.8387W
Humuula Sheep Station, Hawaii	HMH		19.6052N	155.4855W
Kaapuna, Hawaii	KUH		19.2663N	155.8713W
Kaena, Hawaii	KAE	Closed	19.2892N	155.1325W
Kaena Point, Hawaii	KPH		21.5761N	158.2754W
Kahuku, Hawaii	KHU		19.2483N	155.6183W
Kailua Kona, Hawaii	KKH		19.6567N	156.0185W
Kalalua Cone,	KLCH		19.4058N	155.0680W
Kalaupapa, Hawaii	KKPA		21.1900N	156.9848W
Kamuela, Hawaii	KML	Closed	20.0317N	155.7000W
Kanahau, Hawaii	KAANH		20.6933N	156.2913W
Kanekii, Hawaii	KIH		19.5093N	155.7650W
Kaoiki Faults, Hawaii	KFH		19.4210N	155.4190W
Kapapala Ranch, Hawaii	KLH		19.2733N	155.4450W
Kapoho, Hawaii	KPO		19.5003N	154.8418W
Kealakekua, Hawaii	KLK	Closed	19.5220N	155.9203W

Kealakomo, Hawaii	KEA	Closed	19.3083N	155.1600W
Keanakolu, Hawaii	KKU		19.8898N	155.3430W
Kilohama Girl Scout Camp, Hawaii	KGSC			
Kipapa, Hawaii	KIP		21.4233N	158.0139W
Kipuka Nene, Hawaii	KNH		19.3350N	155.2900W
Kohala, Hawaii	KOH		20.1282N	155.7795W
Konawaena, Hawaii	KNW	Closed	19.5133N	155.9183W
Lualailua, Hawaii	LLAH		20.6270N	156.3103W
M12, Hawaii	M12	Closed	19.3948N	155.3075W
Mahukuna, Hawaii	MHA		20.1878N	155.9031W
Makaoulu, Hawaii	MKA		19.3678N	155.1642W
Mauna Kea Girl Scouts, Hawaii	MKGS			
Mauna Kea, Hawaii	MKH	Closed	19.8267N	155.4725W
Mauna Loa, Hawaii	MLH		19.4967N	155.3883W
Mokapu, Hawaii	MOK	Closed	21.4565N	157.7365W
Mokuaweoweo, Hawaii	MWH		19.4880N	155.5997W
Mountain View, Hawaii	MVH		19.5042N	155.0625W
2,	MLX		19.4600N	155.3450W
Naalehu,	NAA	Closed	19.0633N	155.5867W

Hawaii

National Guard,NGH Hawaii			19.7020N	155.0287W
North Bay, Hawaii	NBH	Closed	19.4950N	155.5800W
North Pit, Hawaii	NPH		19.4150N	155.2833W
Oahu, Hawaii	OA-IS	Closed	21.4575N	157.9964W
Opana, Hawaii	OPA		21.6908N	158.0117W
Outlet, Hawaii	OUT		19.3897N	155.2823W
Pauahi, Hawaii	PUH		19.3770N	155.2183W
Pohakuloa, Hawaii	POHA		19.7575N	155.5325W
Pahoa, Hawaii	PAH	Closed	19.4950N	154.9467W
Pahoa Fire House, Hawaii	PFH		19.4969N	154.9486W
Pohoiki, Hawaii	POH		19.4570N	154.8537W
Poliokeawe Pali, Hawaii	PWH		19.2837 N	155.2245W
Pupakea, Hawaii	PUP	Closed	21.6472N	158.0278W
Puu Honuaula, Hawaii	PHO		19.4817N	154.8900W
Puu Huluhulu, Hawaii	PHH	Closed	19.3750N	155.2083W
Puu Kaliu, Hawaii	PKL		19.4580N	154.9210W
Puu Kamoamo, Hawaii	KMH		19.3912N	155.1163W

Puu Okali, Hawaii	POK		20.7333N	156.3887W
Puu Pili, Hawaii	PPL		19.1583N	155.4645W
Puu Ulaula, Hawaii	PLL		19.5333N	155.4612W
Rainshed, Hawaii	RSD		19.4630N	155.2780W
Rim, Hawaii	RIM		19.3983N	155.2767W
South Point, Hawaii	SPT		18.9818N	155.6653W
Southwest Rift, Hawaii	SWH		19.4543N	155.6050W
Steam Cracks, Hawaii	STCH		19.3883N	155.1278W
Trail, Hawaii	TRH		19.4152N	155.5493W
Uwekahuna, Hawaii	UWE		19.4233N	155.2933W
Wahaula, Hawaii	WHA		19.3317N	155.0487W
Waikii, Hawaii	WKH		19.8597N	155.6600W
Waimauolo Ridge, Hawaii	WMR		21.3203N	157.6823W
Waldron Ledge, Hawaii	WLG		19.4248N	155.2615W
Weather Observatory, Hawaii	WOB		19.3385N	155.5835W
West Pit, Hawaii	WPH	Closed	19.4117N	155.2917W
Whitney, Hawaii	WHI	Closed	19.4317N	155.2617W
Wilkes Camp, Hawaii	WIH		19.4692N	155.5837W

Wood Valley, Hawaii	WOH		19.2513N	155.5020W
Auburn Hatchery, <b>Idaho</b>	AHID		42.7654N	111.1004W
Argonne North, Idaho	ARNI		43.6667N	112.6235W
Bear Canyon, Idaho	BCYI		44.3108N	113.4052W
Bear River Range, Idaho	BEI		42.1167N	111.7823W
Bertha Hill, Idaho	BHI	Closed	46.7640N	115.7920W
Big Bend, Idaho	BBI	Closed	44.1762N	111.4288W
Big Grassy Butte, Idaho	GBI		43.9875N	112.0633W
Big Lost River, Idaho	LRI	Closed	43.5283N	112.9483W
Boise, Idaho	BSE		43.6500N	116.0917W
Brownlee Dam, Idaho	BDID		44.7983N	116.8850W
Burke, Idaho	BUI		47.4650N	115.7817W
Cedar Butte, Idaho	CBTI	Closed	43.3875N	112.9115W
Centennial Mt., Idaho	CMI		44.5253N	111.6218W
Challis, Idaho	CL-ID	Closed	44.4911N	114.3417W
Circular Butte, Idaho	CRBI		43.8303N	112.6345W
Coyote Hollow, Idaho	CHOI		43.3125N	111.2127W

Craters of the Moon, Idaho	COMI		43.4618N	113.5938W
Crown Point, Idaho	CPI		43.8667N	116.3000W
Crows Nest Canyon, Idaho	CNCI		43.9290N	113.4530W
Denny Creek, Idaho	YPDC		44.7095N	111.2397W
Dent, Idaho	DEI	Closed	46.6400N	116.1992W
Dry Creek, Idaho	DCI	Closed	43.9548W	111.0958W
Dunn Peak, Idaho	DPI		47.2887N	116.8988W
Earthquake Lake, Idaho	QLMT		44.8317N	111.4275W
Eight Mile Canyon, Idaho	EMI		44.0742N	112.9262W
Elk Butte, Idaho	EBI		46.8375N	116.1183W
Eureka Ridge, Idaho	ERI	Closed	46.5347N	116,2748W
Garnes Mountain, Idaho	GMI	Closed	43.7065N	111.3425W
Gilbert Hill, Idaho	GHI	Closed	46.4702N	116.3190W
Grandview Point, Idaho	GRAI		43.8093N	111.3357W
Grant Creek, Idaho	GRCI		43.9667N	113.9892W
Great Rift, Idaho	GTRI		43.2440N	113.2410W
Hailey, Idaho	HL-ID	Closed	43.6472N	114.2506W

	HL2-ID Closed	43.5617N	114.4149W
	HLID	43.5625N	114.4138W
Hamer Butte, Idaho	HID Closed	43.9631N	112.1639W
Harmony Heights, Idaho	HHI Closed	46.4757N	116.1465W
Hells Half Acre, Idaho	HHAI	43.2950N	112.3795W
Howe Peak, Idaho	HPI	43.7114N	113.0972W
Howe Scarp, Idaho	HWSI	43.9222N	113.1062W
Idaho Array, Idaho	IDA Closed	43.7867N	113.0225W
Inel Research Center, Idaho	IRCI	43.5153N	112.0333W
Italian Canyon, Idaho	ICI	44.3293N	112.9412W
Jenson Cabin, Idaho	JECI	44.3722N	114.1842W
Jim Sage Mountain, Idaho	JSM	42.1313N	113.3825W
Juniper Gulch, Idaho	JGI	44.0926N	112.6769W
Kellog, Idaho	KGI Closed	47.4883N	116.0817W
Kelly Canyon, Idaho	KCI	43.6688N	111.6643W
Kettle Butte, Idaho	KBI	43.5907N	112.3767W
Lemhi Junction, Idaho	LJI	43.8208N	112.8440W



Little Green Mountain, Idaho	LGM	Closed	46.7330N	116.0930W
Little Lost River, Idaho	LLRI		43.7230N	112.9330W
Little Table Mountain, Idaho	LTMT		44.5258N	112.1100W
Lost Valley Reservoir, Idaho	LVRI		44.9447N	116.4522W
Lyon Mountain, Montana	LYMT		46.9700N	112.2895W
Mackay Peak, Idaho	MCPI		43.9003N	113.7045W
Malad Range, Idaho	MLI		42.0268N	112.1256W
Mason Butte, Idaho	MAS	Closed	46.6327N	116.3578W
Menan Buttes, Idaho	MBI	Closed	43.7864N	111.9706W
Mountain Home, Idaho	MO-ID	Closed	43.0719N	116.2656W
Mud Lake, Idaho	MUDI		43.6189N	111.0771W
Mullan, Idaho	MUL		47.4617N	115.7817W
Narrow River, Idaho	NWR	Closed	42.0987N	113.4367W
New Production Reactor, Idaho	NPRI		43.5975N	112.8272W
Nordman, Idaho	NTI	Closed	48.6300N	116.9633W
North Pocatello Valley, Idaho	NPI		42.1473N	112.5183W
Patelzick	PZCI		44.3410N	112.3170W

Creek, Idaho				
Pine Creek, Idaho	PINI		43.5076N	111.3457W
Pocatello Creek, Idaho	PTI		42.8703N	122.3702W
Pole Creek, Idaho	PCID		43.9137N	114.7777W
Mud Lake, Idaho	MUDI		43.6189N	111.0771W
Preston, Idaho	PQ-ID	Closed	42.2281N	111.7158W
Red Ridge, Idaho	RRI	Closed	43.3630N	111.3380W
	RRI2		43.3640N	111.3190W
Rexburg, Idaho	REX		43.8125N	111.7833W
Round Mountain, Idaho	RMI		42.0788N	113.3402W
St. Joe, Idaho	SJID		47.3640N	116.4112W
Shoe Peg Valley, Idaho	SPVI		44.5842N	116.7708W
Sixmile Butte, Idaho	SMBI		43.5022N	113.2677W
Snowbank Mountain, Idaho	SBID		44.4240N	116.3135W
Split Crater, Idaho	SPCI		43.4500N	112.6370W
Stanley, Idaho	STID		44.1148N	114.8660W
Star Valley, Idaho	STI	Closed	42.8022N	111.0508W
Summit Reservoir, Idaho	SURI		44.3058N	113.4825W
Taylor Mountain, Idaho	TMI		43.3056N	111.9181W

Telchick Spring, Idaho	TCSI		43.6193N	113.4783W
Three Point Mountain, Idaho	TID		43.5000N	115.9333W
Tomer Butte, Idaho	TBID			
Trinity Mountain, Idaho	TYI		43.6000N	115.4522W
Wallace, Idaho	WAL		47.4600N	115.9650W
Whiskey Butte, Idaho	WBI	Closed	46.5826N	115.9788W
Willow Creek, Idaho	WICI		44.1750N	113.8867W
Wilson Peak, Idaho	WPI		43.2889N	116.7500W
Belle Prairie, <b>Illinois</b>	BPIL	Closed	38.2019N	88.5919W
Cave in Rock, Illinois	CIRL	Closed	37.5119N	88.1081W
Chicago, Illinois	CHK	Closed	41.7889N	87.5992W
	CGI		41.9800N	87.7183W
Chicago-Loyola, Illinois	CHI		41.9000N	87.6333W
Creal Springs, Illinois	CSIL	Closed	37.6319N	88.7900W
de Kalb, Illinois	DEK		41.9331N	88.7650W
Elco, Illinois	ELC		37.2850N	89.2270W
New Haven, Illinois	NHIL	Closed	37.9269N	88.1708W
Pontiac,	PW-IL	Closed	40.9161N	88.5853W

Illinois

Rosebud, GOIL Closed 37.2900N 88.5800W  
Illinois

Samsville, SMV 38.4890N 88.0820W  
Illinois

Southern SIUC 37.7149N 89.2176W  
Illinois Univ.,  
Illinois

Carbondale,  
Illinois

Southern IL 38.000N 88.000W  
Illinois,  
Illinois

Watseka, WQ-IL Closed 40.8656N 87.5864W  
Illinois

West Salem, WSIL Closed 39.4981N 88.0750W  
Illinois

Bloomington, BLO 39.1719N 87.5222W  
**Indiana**  
BLOI

Indiana Array, IN1 Closed 40.5420N 85.8936W  
Indiana

IN2 Closed 39.9390N 86.7831W

IN3 Closed 39.2653N 85.7854W

IN4 Closed 39.5697N 84.9029W

Indiana State ISU 39.4714N 87.4075W  
University,  
Indiana

Springhill, SHIN 39.4278N 87.4083W  
Indiana

Swan Pond SPIN Closed 38.5400N 87.6069W  
Ditch, Indiana

Terre Haute, THI 39.4069N 87.3600W  
Indiana

Wadesville, Indiana	WDIN Closed	38.0908N	87.7158W
Wyandotte Cave, Indiana	WCI	38.2290N	86.2938W
Bloomfield, <b>Iowa</b>	BY-IO Closed	40.7692N	92.4525W
Des Moines,	DMI Closed	41.6000N	93.6833W
Dubuque, Iowa	DBQ	42.5067N	90.6833W
Elkhorn, Iowa	ESI		
Vinton, Iowa	VO-IO Closed	42.2250N	92.1269W
<b>Johnston Island</b>	JN-IS Closed	16.7339N	169.5281W
	JOHN	16.7329N	169.5292W
Belvue <b>Kansas</b>	BEK	39.2632N	96.1997W
Cedar Bluff, Kansas	CBKS	38.8140N	99.7374W
Concondia, Kansas	CNK	39.5080N	97.7130W
El Dorado, Kansas	EDK	37.7738N	96.7950W
Emporia, Kansas	EM-KA Closed	38.5247N	96.4728W
	EMK	38.4465N	96.3172W
Hiawatha, Kansas	HWK	39.8022N	95.4965W
Lawrence, Kansas	LAW	38.9594N	95.2500W
	LAK	39.0463N	95.2045W
Manhattan, Kansas	MHK	39.1874N	96.5792W
	MHT Closed	39.1997N	96.5806W
Milford Reservoir,	MLK	39.1073N	96.8933W

Kansas

Norton, Kansas	NNK	Closed	39.9363N	100.0417W
	NRTK			
Oberlin, Kansas	OBK	Closed	39.9288N	100.4388W
Salina, Kansas	SNK		38.9530N	97.6030W
Tuttle Creek Reservoir, Kansas	TCK		39.3848N	96.7225W

**Kentucky** (USGS)

Bethel, Kentucky	BETH	Closed	38.2467N	83.8531W
Bowling Green, Kentucky	BGKY		37.0055N	86.5232W
Bowman Hall, Kentucky	BHKY		38.0350N	84.5050W
Crutchfield, Kentucky	CRU		36.5950N	89.0200W
Dry Ridge, Kentucky	DY-FY	Closed	38.6497N	84.6433W
Flemingsburg, Kentucky	FLKV		38.4260N	83.7510W
Freedom, Kentucky	FDKY		36.7900N	85.7942W
Fulgam, Kentucky	FMKY		36.6640N	88.9090W
Hadley Quad, Kentucky	HAKY		37.1057N	86.5849W
Land Between the Lakes, Kentucky	LLKY		36.9220N	88.0970W
Lexington, Kentucky	LEK	Closed	38.0361N	84.5050W

Lock 6, Kentucky	L6KY Closed	37.9260N	84.8200W
Lockhart, Kentucky	LOKY	37.2370N	88.2950W
Morganfield, Kentucky	MOKY	37.4083N	87.9010W
New Haven, Kentucky	NHIL	37.5537N	88.1015W
Paducah, Kentucky	PAKY	37.0570N	88.7720W
Potato Knob (Grayson), Kentucky	PKKY	38.3830N	83.0340W
Rotten Point, Kentucky	ROKY	37.9090N	83.9260W
Russell Springs, Kentucky	RS-KY Closed	37.1986N	84.8683W
Sacramento, Kentucky	SMKY	37.4230N	87.2760W
Sonora, Kentucky	SOKY	37.5260N	85.9650W
Summer Shade, Kentucky	SSKY Closed	36.7955N	85.7295W
Wilson Creek, Kentucky	WCK	36.9340N	88.8740W
<b>Kwajalein Atoll</b>	KWAJ		
Jena, <b>Louisiana</b>	JE-LA Closed	31.7847N	92.0153W
Liddieville, Louisiana	LV-LA	32.1361N	91.8750W
New Orleans-- Loyola, Louisiana	NOL Closed	29.9483N	90.1200W

Parcperdue Array, Louisiana	LSU1		30.0733N	91.9821W
	LSU2		30.0785N	92.0315W
	LSU3		30.0492N	92.0071W
	LSU4		30.0350N	92.0463W
	LSU5		30.0673N	92.0543W
Allagash, <b>Maine</b>	AGM	Closed	47.0817N	69.0233W
Augusta, Maine	AG-ME	Closed	44.3728N	69.6628W
Bangor, Maine	BG-ME	Closed	44.6344N	69.2214W
Brown's Brook, Maine	D5A		47.0113N	69.2650W
Bucksport, Maine	BPM	Closed	44.6317N	68.7893W
Camp Technology, Maine	EMMT		44.7833N	67.3533W
Caribou, Maine	CBM	Closed	46.9325N	68.1208W
Carter Brook, Maine	D3A		47.0875N	69.1669W
Cooper Hill, Maine	PQ0	Closed	44.9863N	67.4674W
Dickey, Maine	D1A		47.0586N	69.0989W
East Machias, Maine	EMM	Closed	44.7392N	67.4894W
	EMMT	Closed	44.7833N	67.3533W
East Ridge, Maine	PQ1	Closed	44.9035N	67.3271W
Hinckley, Maine	HKM	Closed	44.6564N	69.6408W
Houlton, Maine	HNME	Closed	46.1599N	67.9867W
	HN-ME	Closed	46.1619N	67.9858W



Jackman, Maine	JKM	Closed	45.6555N	70.2426W
Kelley` Mountain, Maine	D2A	Closed	47.1303N	69.1503W
Milo, Maine	MIM		45.2436N	69.0403W
Portland, Maine	POR	Closed	43.6833N	70.2833W
Presque Isle, Maine	PQI		46.6710N	68.0168W
Rocky Mountain, Maine	D4A	Closed	47.1881N	69.2767W
Turner, Maine	TRM	Closed	44.2597N	70.2551W
Two Mile Stream, Maine	D6A	Closed	47.0890N	69.4957W
Waterville- Colby College, Maine	WTR WVL		44.6483N 44.5648N	69.6556W 69.6575W
Cheltenham, <b>Maryland</b>	CLH	Closed	38.7347N	76.8458W
Early Rise 304, Maryland	ER304	Closed	37.6958N	79.2636W
Easton, Maryland	EAS			
Ellicot City, Maryland	ECM		39.2613N	76.8842W
Frederick, Maryland	FDM			
Grantsville, Maryland	GS-MD	Closed	39.6189N	79.1833W
National Naval Medical Center, Maryland	NHB	Closed	39.0016N	77.0837W
Naval Ordinance	NLM	Closed	39.0324N	76.9805W

Laboratory, Maryland					
Woodstock, Maryland	WOO	Closed	39.3333N	76.8750W	
Villa Mercy, Maryland	VIL	Closed	39.0209N	77.1887W	
Washington Science Center, Maryland	WSC	Closed	39.0505N	77.1237W	
Belchertown, <b>Massachusetts</b>	QUA2		42.2789N	72.3525W	
Boston College, Massachusetts	BCX		42.3350N	71.1705W	
Cambridge, Massachusetts	CAM	Closed	42.3833N	71.1167W	
South Dennis, Massachusetts	COD		41.6858N	70.1350W	
Duxbury, Massachusetts	DUX		42.0686N	70.7678W	
	DXB		42.0610N	70.6992W	
Fall River, Massachusetts	FLR	Closed	41.7167N	71.1215W	
Gloucester, Massachusetts	GLO		42.6403N	70.7272W	
Harvard--Oak Ridge, Massachusetts	HRV		42.5064N	71.5582W	
Lenox, Massachusetts	LNX	Closed	42.3389N	73.2724W	
Nantucket, Massachusetts	NMA	Closed	41.2947N	70.0261W	
Quabbin, Massachusetts	QUA	Closed	42.4566N	72.3738W	
Westboro, Massachusetts	WGMA		42.2890N	71.5850W	

Westford, Massachusetts	WFM		42.6106N	71.4906W
Weston, Massachusetts	WES		42.3847N	71.3221W
Williamstown, Massachusetts	WLL	Closed	42.7142N	73.2111W
Worcester, Massachusetts	WOR	Closed	42.2667N	71.8000W
Allegan, <b>Michigan</b>	ACM	Closed	42.6475N	85.8517W
Ann Arbor, Michigan	AAM		42.3012N	83.6567W
University of Michigan, Michigan	AAMC		42.2780N	83.7360W
Ann Arbor Borehole, Michigan	AAMB			
East Lansing, Michigan	LNSM		42.7310N	84.4770W
Edgewood, Michigan	ED-MI	Closed	43.2556N	84.4114W
Kalamazoo, Michigan	KZM	Closed	42.1528N	85.8211W
Pickford, Michigan	PF-MIC	Closed	46.0878N	84.4608W
Sugar Island, Michigan	SUG	Closed	46.5214N	84.1383W
Trout Lake, Michigan	TT-MI	Closed	46.2097N	85.1678W
White Pine, Michigan	WPM		46.7515N	89.5549W
<b>Minnesota (USGS)</b>				
Bemidji,	BEM		47.4889N	94.8683W

Minnesota

Central Minnesota Array, Minnesota	CM1	45.9337N	93.3528W
	CM2	45.9741N	93.1618W
	CM3	43.8747N	93.0097W
	CM4	45.7500N	93.1019W
	CM5	45.7830N	93.3234W
	CM6	45.8599N	93.1977W
Duluth, Minnesota	DUL	46.8200N	92.0833W
Ely, Minnesota	EYMN	47.9462N	91.4950W
Gaylord, Minnesota	GY-MN Closed	44.5047N	94.0457W
Grand Rapids, Minnesota	GP-MN Closed	47.6644N	93.4894W
Hastings, Minnesota	HT-MN Closed	44.8528N	92.8778W
Jasper, Minnesota	JA-MN Closed	43.8900N	96.3214W
Jordan, Minnesota	JO-MN Closed	44.7069N	93.5083W
Minneapolis, Minnesota	MNM Closed	44.9740N	93.2381W
	MNN Closed	44.9144N	93.1900W
Minneapolis Ford Plant, Minnesota	MFM Closed	44.9141N	93.1930W
Morris, Minnesota	MRM		
North Branch, Minnesota	NB-MN Closed	45.5328N	92.8475W
Pipestone,	PP-MN Closed	44.0775N	96.1508W

Minnesota

Sleepy Eye, Minnesota	SE-MN Closed	44.4142N	94.6653W
Southwestern Minnesota, Minnesota	MN	43.500N	96.800W
Tracy, Minnesota	TY-MN Closed	44.3458N	95.5197W
Windom, Minnesota	WD-MN Closed	44.1161N	95.1550W
Wykoff, Minnesota	WF-MN Closed	43.8014N	92.3731W
Greenville, <b>Mississippi</b>	GH-MS Closed	33.3292N	91.0353W
Laurel, Mississippi	LL-MS Closed	31.7214N	89.3558W
Lucedale, Mississippi	LD-MS Closed	30.9500N	88.8833W
	LD2MD Closed	30.8528N	88.5406W
	LD3MS Closed	30.6661N	89.0436W
Lumberton, Mississippi	LU-MS Closed	31.0389N	89.2389W
McComb, Mississippi	MB-MS Closed	31.3428N	90.2864W
Oxford, Mississippi	OXF	34.5118N	89.4092W
Picayune, Mississippi	PC-MS Closed	30.5558N	89.7825W
Pleasant Grove, Mississippi	PGM	34.4640N	90.1125W
Purvis, Mississippi	PU-MS Closed	31.1519N	89.5489W
Richton, Mississippi	RI-MS Closed	31.1978N	88.8508W

Tatum Dome, Mississippi	TQ-MS		31.1328N	89.5711W
Bernie, <b>Missouri</b>	BRM	Closed	36.6333N	90.0597W
Berryman, Missouri	BRR	Closed	37.9533N	91.1750W
Blue Bank Bayou, Missouri	BBTN		36.3870N	89.4570W
Cape Girardeau, Missouri	CGM		37.3167N	89.5333W
Cathedral Cave, Missouri	CCM		38.0557N	91.2446W
Creve Couer, Missouri	CCMO		38.7200N	90.4670W
Cypress Bend, Missouri	CBD		36.3170N	89.6510W
Demmitville, Missouri	DMV		36.7040N	89.7450W
Dogwood, Missouri	DWM		36.8050N	89.4900W
Dongola, Missouri	DON		37.1760N	89.9330W
Elkchute Ditch, Missouri	ECD		36.0600N	89.9400W
Ellsinore, Missouri	EN-MO	Closed	36.8828N	90.5956W
Flat River, Missouri	FRM	Closed	37.8358N	90.4864W
Florissant, Missouri	FLO	Closed	38.8017N	90.3700W
French Village, Missouri	FVM		37.9840N	90.4260W
Greenville,	GRV	Closed	37.0533N	90.3950W

Missouri				
Hayti, Missouri	HATI		36.1770N	89.6760W
Kansas City, Missouri	KC-MO	Closed	39.3558N	94.6714W
Linda, Missouri	LDMO		36.4110N	89.5630W
Lone Star, Missouri	LST		36.5230N	89.7310W
Malden, Missouri	MLD	Closed	36.5587N	89.9698W
New Madrid, Missouri	NMM	Closed	36.5910N	89.5282W
	NMMO		36.5880N	89.5520W
	MMD		36.5750N	89.4819W
Noranda, Missouri	NRMS		36.4870N	89.5880W
Pea Ridge Mine, Missouri	MMM		38.1300N	91.0400W
Portageville, Missouri	PTG	Closed	36.4277N	89.7037W
	PVMO		36.4300N	89.7200W
Rolla, Missouri	ROL		37.9178N	91.8689W
Rombauer, Missouri	RMB		36.8860N	90.2780W
Saint Louis, Missouri	SLM		38.6361N	90.2361W
St. Johns Bayou, Missouri	SJMO	Closed	36.6290N	89.4760W
Sam Baker, Missouri	SP, MO		36.800N	90.000W
Sikeston, Missouri	SIK			

Tallapoosa, Missouri	TPMO		36.5400N	89.8520W
Tyson Valley, Missouri	TYS		38.5260N	90.5660W
Viburnum, Missouri	VBM			
Wardell, Missouri	WADM		36.3661N	89.7959W
Anaconda, <b>Montana</b>	AMM		46.0942N	112.9511W
Angela, Montana	AN-MA	Closed	46.7522N	106.0917W
Basin Creek, Montana	BCM	Closed	45.8355N	112.5153W
Barton Gulch, Montana	BGMT		45.2333N	112.0405W
Bassoo Peak, Montana	BSMT		47.8513N	114.7870W
Big Bend, Montana	BBM	Closed	48.3764N	115.3275W
Big Creek Baldy, Montana	BCB	Closed	48.6351N	115.5454W
Bigfork, Montana	BFM		48.0672N	114.1002W
Bighole Peak, Montana	BHMT		47.5825N	115.0370W
Billings, Montana	BS-MA	Closed	45.7322N	108.8922W
Black Butte, Montana	BLK	Closed	48.8547N	115.1177W
Bozeman, Montana	BOZ	Closed	45.6470N	111.6296333W
	BZM	Closed	45.66697N	111.0453W



	BZE	Closed	45.8060N	111.9327W
	BZMT		45.6482N	110.7967W
Butte, Montana	BUT		46.0133N	112.5633W
Cal X Mountain, Montana	CLX		48.2084N	115.1332W
Chamberlain Mountain, Montana	CHMT		46.9143N	113.2520W
Clancy, Montana	CMT		46.5167N	111.9333W
Clark Canyon Reservoir, Montana	CCMT	Closed	44.9150N	112.8738W
Cliffside, Montana	CFM	Closed	48.2081N	115.4583W
Coopers Lake, Montana	CKM	Closed	47.0666N	112.9099W
Dalton Mt., Montana	DMMT	Closed	46.8623N	112.7147W
Delmo Park, Montana	DPM	Closed	45.9690N	112.2695W
Denny Creek, Montana	YPDC		44.7095N	111.2397W
Dillon, Montana	DI-MA	Closed	45.1736N	112.4478W
Earthquake, Montana	QLMT		44.8317N	111.4275W
East Ridge, Montana	ERMT	Closed	45.9932N	112.4562W
Elliston, Montana	ELMT		46.5222N	112.3445W
Ferry Basin, Montana	FBMT		47.4068N	114.4222W

Forsyth, Montana	FR-MA Closed	46.1000N	106.4403W
Glendive, Montana	GI-MA Closed	47.1928N	104.2194W
Granite Butte, Montana	GBM Closed	46.8593N	112.4559W
Grayling Creek, Montana	GCR	44.7692	111.1065W
Greycliff, Montana	GCMT	45.7912N	109.6672W
Havre, Montana	HV-MA Closed	48.4222N	109.8222W
Helmville, Montana	HLM Closed	46.8894N	112.9331W
Holter Res. Foundation- York Bridge, Montana	HRY	46.7113N	111.8312W
Holter Res. Helena, Montana	HRF	46.5943N	112.0445W
Hungry Horse, Montana	HHM Closed	48.3494N	114.0275W
Hysham, Montana	HY-MA Closed	45.9728N	107.0817W
Jetty, Montana	JTMT	47.7467N	114.2825W
Lake Helena, Montana	LHM Closed	46.6756N	111.9434W
LASA Array	LAO Closed	46.6886N	106.2222W
LASA B Ring, Montana	LB1 Closed	46.7522N	106.0917W
	LB2 Closed	46.6350N	106.1628W
	LB3 Closed	46.6592N	106.3169W
	LB4 Closed	46.7681N	106.2431W

LASA C Ring, Montana	LC1	Closed	46.8394W	106.1275W
	LC2	Closed	46.6694N	106.0125W
	LC3	Closed	46.5742N	106.2497W
	LC4	Closed	46.7353N	106.3739W
LASA D Ring, Montana	LD1	Closed	46.8397N	105.8894W
	LD2	Closed	46.5031N	106.0108W
	LD3	Closed	46.5497N	106.4803W
	LD4	Closed	46.9419N	106.3833W
LASA E Ring, Montana	LE1	Closed	47.1628N	106.0561W
	LE2	Closed	46.5128N	105.3647W
	LE3	Closed	46.1494N	106.3342W
	LE4	Closed	46.7608N	106.9167W
LASA F Ring, Montana	LF1	Closed	47.3708W	105.1875W
	LF2	Closed	45.9097N	105.4856W
	LF3	Closed	45.9728N	107.0817W
	LF4	Closed	47.4111N	106.9436W
Lewis and Clark Caverns, Montana	LCCM		45.8377N	111.8782W
Lewistown, Montana	LN-MA	Closed	47.2119N	109.1489W
Libby Dam, Montana	LDM		48.4539N	115.3172W
Little Butte, Montana	LBM		46.5149N	111.8537W
Limekiln Ridge, Montana	LRM		45.8222N	112.4510W
Little Hoodoo	LHD		48.2578N	115.5584W

Mountain,  
Montana

Little Table LHD Closed 44.5258N 112.45120W  
Mountain,  
Montana

Lubrecht LFM Closed 46.8898N 113.4527W  
Forest, Montana

Lyon Mountain, LYMT 46.9700N 112.1100W  
Montana

McKenzie MCMT 44.8277N 112.8488W  
Canyon, Montana

Missoula, MSO 46.8292N 113.9406W  
Montana

Missoula  
(USGS), Montana

Monida, MOMT 44.5933N 112.3943W  
Montana

Mount Ellis, MEMT 45.6040N 110.9697W  
Montana

Mount Humbug, HBMT 45.7930N 112.6078W  
Montana

Nine-Mile NCM 47.1982N 114.5658W  
Creek, Montana

NDMT 47.2690N 114.7988W

Orando, OVMT 47.0643N 112.9967W  
Montana

Pinkham Creek, PNK Closed 48.7677N 115.0880W  
Montana

Pistol Creek, PCMT 47.2152N 114.0278W  
Montana

Reservoir Flats, RFM Closed 46.1047N 112.4868W  
Montana

Rexford, RXF 48.8648N 115.1242W  
Montana

Silver Gate, Montana	SGM		45.0075N	109.9892W
Sixmile, Montana	SXM		46.1492N	111.2077W
Subarray A0 LASA, Montana	AOMA	Closed	46.6886N	106.2222W
Summit Valley, Montana	SVMT	Closed	45.8822N	112.5722W
Swamp Creek, Montana	SWP	Closed	48.6068N	114.9850W
Swartz Lake, Montana	SWMT		47.5093N	113.9990W
Sweetgrass, Montana	SW-MA	Closed	48.9689N	111.9628W
Teepee Creek, Montana	TPMT		44.7298N	111.6657W
Teeples Ranch, Montana	TEE	Closed	48.3795N	115.5881W
Warland Creek, Montana	WCM	Closed	48.7298N	115.6657W
West Yellowstone. Montana	YPWB		44.6058N	111.1008W
	YWY		44.6058N	111.0968W
Wild Horse Parks, Montana	WHM	Closed	46.7621N	113.1812W
Yaak, Montana	YKM		48.8620N	115.7117W
YMCA Camp, Montana	YCM		46.5256N	112.3942W
<b>Nebraska</b>	SHANN			
	SHBN			
	SHDN			
	SHFN			

	SHGN			
Alliance, Nebraska	AI-NB Closed	42.1328N	103.2764W	
Auburn, Nebraska	ABN	40.3911N	95.8506W	
Beatrice, Nebraska	BENE	40.2167N	96.6025W	
Clay Center, Nebraska	CCNE	40.5037N	97.9367W	
Cody, Nebraska	CZ-NB Closed	42.8750N	101.2417W	
Columbus, Nebraska	CUN	41.4789N	97.3800W	
	SHANN			
	SHBN			
	SHDN			
	SHFN			
	SHGN			
Crete, Nebraska	CTN	40.6222N	96.9483W	
	CR-NB Closed	40.6644N	96.8542W	
	CR2NB Closed	40.6367N	96.8483W	
Dwight, Nebraska	DTN	41.0217N	97.0358W	
Gordon, Nebraska	GO-NB Closed	42.6328N	102.2739W	
Gretna, Nebraska	GAN Closed	41.0214N	96.2469W	
Hay Springs, Nebraska	HS-NB Closed	42.4256N	102.7144W	
Homestead National Monument,	HMN	40.2864N	96.8356N	

Nebraska

Indianola, Nebraska	INDN		40.1925N	100.4002W
Johnson, Nebraska	JHN		40.4467N	96.0187W
Lincoln, Nebraska	LIN	Closed	40.8383N	96.6533W
	LCN	Closed	40.8117N	96.7019W
Loup City, Nebraska	LCNE		41.3083N	98.9387W
Medicine Creek Dam, Nebraska	MKH		40.3740N	100.2250W
Mitchell, Nebraska	MH-NB	Closed	41.8889N	103.8917W
Missouri Ridge, Nebraska	MRGN			
Niobrara River, Nebraska	NR-NB	Closed	42.8197N	101.7011W
Platte Center, Nebraska	PCNE		41.5392N	97.4275W
Springfield, Nebraska	SGN	Closed	41.0658N	96.2188W
Wahoo, Nebraska	WHNE		41.2362N	96.6525W
Wann, Nebraska 413	WNN BUK		41.1897N 37.0505N	96.2661W 116.1888W
416, <b>Nevada</b>	LWN	Closed	36.6183N	116.3933W
Alamo, Nevada	ALA	Closed	37.2417N	115.1150W
Anchorite, Nevada	ANCR		38.1732N	118.7537W
Angel's Peak, Nevada	APK	Closed	36.3194N	115.5744W
	APKW		36.3198N	115.5869W

Astor Pass, Nevada	APNR		40.2300N	119.8665W
Austin, Nevada	AT-NV	Closed	39.4814N	117.0739W
Bare Mountain, Nevada	BRO		36.7628N	116.6253W
Battle Mountain, Nevada	BMN		40.4315N	117.2218W
Beatty, Nevada	BEA	Closed	36.8833N	116.7667W
	BTY		36.8833N	116.6253W
Bell Mountain, Nevada	BLM*	Closed	39.1536N	118.0917W
Belted Range, Nevada	BLT	Closed	37.4822N	116.1225W
Big Butte, Nevada	BGB		37.0378N	116.2278W
Big Creek, Nevada	BGN	Closed	41.6761N	118.5969W
Bismark Peak, Nevada	BIS		39.1238.7N	119.6750W
Black Mountain, Nevada	BMT*	Closed	37.2836N	116.5336W
Black Mountain, Nevada	BMTN		37.2892N	116.6405W
Bodie, Nevada	BODR		38.1628N	118.9702W
Boulder City, Nevada	BCN	Closed	35.9808N	114.8339W
Boundary Peak, Nevada	BONR		37.9552N	118.3017W
	BNPN		37.9885N	118.3017W
Box Canyon, Nevada	BOX		39.6153N	118.1763W
Boyer Ranch, Nevada	BYX		39.9542N	117.9178W



Buffalo Canyon, BFC Nevada			38.8940N	119.6077W
Cactus Peak, Nevada	CTS		37.6567N	116.7256W
Calico Hills, Nevada	CDH			
	CDH1		36.8603N	116.3175W
	CDH5			
Caliente, Nevada	CQ-NV	Closed	37.9042N	114.4708W
Candalaria, Nevada	CANR		38.1097N	118.1932W
Charley, Nevada	NYC	Closed	37.1550N	116.1553W
Climax Mine, Nevada	NYM	Closed	37.2313N	116.0523W
Columbus, Nevada	COLR		38.1447N	118.1542W
Cottonwood, Nevada	COTR		38.6417N	118.7718W
CP-1, Nevada	CPY		36.9288N	116.0588W
	CPX	Closed	36.9300N	116.0550W
CP-17, Nevada	CPN	Closed	37.1438N	116.2713W
Crown Mine, Nevada	CMN	Closed	40.8160N	117.5278W
Currant, Nevada	CU-NV	Closed	38.6772N	115.4550W
	CND		38.8320N	115.2897W
Delamar Mts., Nevada	DLM		37.6058N	114.7389W
Dixie Hot Springs, Nevada	DIXR		39.8022N	118.0820W

Dog Skin Mt., Nevada	DSM		39.8672N	119.7087W
East Pahaganagat Range, Nevada	EPR		36.1686N	115.1864W
East Side, Nevada	ESTR		38.0913N	118.3267W
Echo Peak, Nevada	EHN		37.2138N	116.3237W
	EPM		37.2262N	116.3347W
Eldorado Mts., Nevada	EMN		35.9216N	114.7542W
Elko, Nevada	EKO	Closed	70.8122N	115.7760W
	ELK		40.7748N	115.7388W
Ely, Nevada	ELY	Closed	39.1313N	114.8920W
	EY-NV	Closed	39.4100N	115.4128W
	EY2NV	Closed	39.4314N	115.3178W
Engine Test Stand, Nevada	ETS	Closed	36.8325N	116.3086W
Eureka, Nevada	EK-NV	Closed	39.2089N	115.7103W
	EUR	Closed	39.4833N	115.9700W
Excelsior, Nevada	EXC		38.3385N	118.3242W
Fairview Peak, Nevada	FPN	Closed	39.2040N	118.2307W
Faultless, Nevada	FA-NV	Closed	38.6406N	116.2226W
Ferguson, Nevada	FERR	Closed	38.5928N	118.1750W
Gabbs, Nevada	GAB	Closed	38.9752N	117.9133W
Genoa, Nevada	GNO		38.9292N	119.8528W

Gilbert, Nevada	GBT		38.1630N	117.6843W
Gillis, Nevada	GILR		38.7313N	118.5347W
Goldfield, Nevada	GF-NV	Closed	37.9175N	117.2017W
Gold Mountain, Nevada	GMN		37.3003N	117.2597W
Grover, Nevada	GRX		39.6355N	117.9890W
Groom Lake Road, Nevada	GLR		37.1994N	116.0178W
Groom Range, Nevada	GMR		37.3339N	115.7711W
Ground Zero, Nevada	ZOX	Closed	37.2360N	116.5160W
	GZN	Closed	37.2360N	116.5160W
Handley 1, Nevada	PH3NVC	Closed	37.3725N	116.5286W
Handley 6, Nevada	PH4NVC	Closed	37.2556N	116.4636W
Hole, Nevada	HLX		39.9337N	117.6632W
Hot Creek Range, Nevada	HCR		38.2336N	116.4356W
Hoyt Mine, Nevada	HYX		39.7728N	117.7633W
Huntoon Valley, Nevada	HVL		39.1832N	118.5390W
	HCK		38.0755N	118.5922W
Ione, Nevada	IO-NV	Closed	38.5258N	117.6389W
Johnnie, Nevada	JON		36.4397N	116.1031W
Jorum 4, Nevada	PH-NV	Closed	37.2983N	116.5481W

Jorum 1, Nevada	PH2NV Closed	37.2422N	116.4644W
Joshua Tree, Nevada	NYJ Closed	37.0080N	115.9747W
Kaiserville, Nevada	KVN	39.0510N	118.1000W
Kawich Peak, Nevada	KP-NV Closed	37.8975N	116.4592W
Kawich Range, Nevada	KRNA	37.7411N	116.3792W
Lake Mead, Nevada	LM-NV Closed	36.5825N	114.5353W
Las Vegas, Nevada	LVN Closed	36.1092N	115.1400W
	LVW Closed	36.1700N	115.1875W
Leadville, Nevada	LDV Closed	41.0975N	119.3906W
Liberty, Nevada	LI-NV Closed	38.3061N	117.2917W
Little Huntoon Valley, Nevada	LHV	38.2512N	118.5045W
Little Skull Mountain, Nevada	LSM	36.7400N	116.2728W
	LSN	36.7536N	116.2594W
Lookout Peak, Nevada	LOP	36.8542N	116.1675W
Lovelock, Nevada	LVK Closed	40.1870N	118.5245W
	LO-NV Closed	39.9353N	118.8394W
Lucky Boy Pass, Nevada	LBP	38.4320N	118.7390W
Luning, Nevada	LNG Closed	38.6150N	118.2097W
Magruder Mt.,	MGM	37.4411N	117.4964W

Nevada

Mercury, Nevada	MCN	Closed	36.9315N	116.0561W
	MCV	Closed	36.6335N	115.9998W
	MCX	Closed		
	MCY	Closed	36.6617N	115.9622W
Mina, Nevada	MNV		38.4328N	118.1531W
	MN-NV	Closed	38.4361N	118.1481W
	MNA		38.4328N	118.1567W
Mina Array	NV01		38.4296N	118.3035W
	NV02		38.4374N	118.3049W
	NV03		38.4249N	118.2937W
	NV04		38.4232N	118.3068W
	NV05		38.4464N	118.2913W
	NV06		38.4224N	118.2744W
	NV07		38.4105N	118.2949W
	NV08		38.4041N	118.3184W
	NV09		38.4354N	118.3352W
	NV10		38.4488N	118.3194W
	NV11		38.4320N	118.1554W
	NV32		38.3342N	118.3003W
	NV33		38.4858N	118.4238W
Mina Array Beam Reference Point, Nevada	NVAR		38.4296N	118.3036W
Mono Valley, Nevada	MONR		38.0608N	118.7758W
Montezuma Peak, MZP			37.7006N	106.3831W

Nevada

Mount Irish, Nevada	MTI		37.6767N	115.2728W	
Nasa Mountain, Nevada	NMN		37.0808N	116.8181W	
Nelson, Nevada	NEL		35.7122N	114.8433W	
Nevada Test Nevada	NT-NV	Closed	37.1633N	116.2506W	Site,
	NT2NVC		37.1512N	116.1709W	
Nevada Test Site Array, Nevada	NTA		37.1642N	116.2612W	
Nopah Range, Nevada	NOP		36.1281N	116.1528W	
North Pahroc Range, Nevada	NPN		37.6528N	114.9369W	
North Pahute Mesa, Nevada	NPM		37.3839N	116.3231W	
North Ranier Mesa, Nevada	NRM	Closed	37.2744N	116.2056W	
North Reno, Nevada	NRR		39.5722N	119.8490W	
NRDS, Nevada	ADM	Closed	36.7697N	116.2853W	
NTS, Nevada	NT-NV		37.2758N	116.4183W	
	NT2NV		37.2533N	116.2858W	
NTS Array, Nevada	NTA		37.2783N	116.4367W	
Oak Springs Butte, Nevada	OB-NV	Closed	37.2358N	116.0525W	
	OB2NV	Closed	37.2253N	116.0578W	
	OB3NV	Closed	37.2325N	116.0542W	

Overton, Nevada	OVE	Closed	36.5311N	114.4425W
Pah Rah Range, Nevada	PAHR		39.7065N	119.3842W
Pahute Mesa, Nevada	LO2	Closed	37.1979N	116.3787W
	PMN	Closed	37.2807N	116.3020W
Pahroc Range, Nevada	PRN		37.4069N	115.0497W
Paradise, Nevada	PARR		38.7707N	117.8965W
Penrod, Nevada	PNR	Closed	38.8213N	118.7938W
Quartzite Mountain State Park, Nevada	QM-NV	Closed	37.5631N	116.3178W
Quinn River Valley, Nevada	QRV	Closed	41.6972N	117.9550W
Ryan, Nevada	RYN		38.6282N	118.5230W
Queen City Summit, Nevada	QCS		37.7638N	115.9164W
Quinn River, Nevada	QNR	Closed	41.6972N	117.9550W
Rawhide Mountain, Nevada	RH-NV	Closed	38.2267N	116.3814W
Receiver Site, Nevada	NYR	Closed	37.0553N	116.0917W
Reno, Nevada	REN	Closed	39.5400N	119.8131W
Reveille Range, Nevada	RVE	Closed	38.0197N	116.1919W
Ruth, Nevada	RUT	Closed	39.2333N	114.9833W
Ryan, Nevada	RYN		38.6282N	118.5230W
Seaman Range, Nevada	SRG		37.8822N	115.0681W

Shoal, Nevada	SZ-NV	Closed	39.2036N	118.3800W
Sheep Range, Nevada	SHRG		36.5044N	115.1553W
Shoshone Peak, Nevada	SSP		36.9250N	116.2186W
Silver Peak Range, Nevada	SVP	Closed	37.7150N	117.8008W
Simon, Nevada	SIMR		38.4750N	117.7675W
Sleeping Mountain, Nevada	SMN	Closed	37.1433N	116.7667W
Shoshone Peak, Nevada	SSP		36.9250N	116.2186W
Slate Mountain, Nevada	STM	Closed	39.1140N	118.2000W
South Grapevine Mountains, Nevada	SGV		36.9811N	117.0322W
Spotted Range, Nevada	SPRG		36.6939N	115.8094W
	SDH		36.6456N	116.3381W
SS1	SSX	Closed	37.2282N	116.2903W
	SGV		36.9811N	117.0322W
Station 2, Nevada	STX	Closed	37.1940N	116.1613W
	GH-RG		36.5044N	115.1553W
Stillwater, Nevada	ST-NV	Closed	39.4381N	118.5800W
	SWN		39.8830N	118.0623W
Sriped Hills, Nevada	SDH		36.6456N	116.3381W
Sue Hot Springs, Nevada	SOX		40.1017N	117.7167W



Sutcliffe, Nevada	SC-NV Closed	39.8739N	119.6408W
Syncline Ridge, Nevada	NYS Closed	37.0325N	116.1688W
Tempiute Mountain, Nevada	TPU	37.6050N	115.6492W
Thirsty Canyon, Nevada	TCNV	37.1467N	116.7253W
Timber Mountain, Nevada	TMN Closed TMBR	37.0836N 37.0342N	116.4439W 116.3855W
Tippipah, Nevada	TP-NV Closed	37.2003N	116.2261W
Tolicha Peak, Nevada	TI-NV Closed TPK Closed	37.2853N 37.2686N	116.8669W 116.8044W
Tonopah, Nevada	TNP TPH TPV Closed	38.0820N 38.0750N 38.0658N	117.2180W 117.2225W 117.2280W
Topopah Spring, Nevada	TPNV	36.9488N	116.2495W
Twin Springs, Nevada	TSV Closed	38.2017N	116.1750W
Unionville, Nevada	UVN Closed UVN1	40.4423N 40.4500N	118.1583W 118.1500W
Vern, Nevada	NYV Closed	37.1128N	115.9900W
Virginia Peak, Nevada	VIP Closed	39.7540N	119.4608W
Wadsworth, Nevada	WAD	39.6878N	119.2880W
Warm Springs, Nevada	WSN Closed	38.3833N	116.1917W

Nevada

Warm Springs, Nevada	WZ-NV Closed	38.0628N	116.4397W
Warm Springs Repeater, Nevada	WSR Closed	38.1914N	116.3989W
Washington Hill, Nevada	WSH	39.4538N	119.6447W
Washoe City, Nevada	WCN	39.3017N	119.7563W
Warm Springs Repeater, Nevada	WSR	38.1914N	116.3989W
White River Valley, Nevada	WRV		
Whites Canyon, Nevada	WTCR	39.3890N	119.8392W
Wildcat Mountain, Nevada	WCT	36.7798N	116.6170W
Wildhorse, Nevada	WLDR	38.8235N	118.5747W
Winnemucca, Nevada	WI-NV Closed	41.3506N	117.4583W
	WMN Closed	40.9800N	117.9200W
Worthington Mountains, Nevada	WRN	37.9817N	117.5883W
Yucca Flat Nevada	NTS,YF-NV Closed	37.0683N	116.0019W
	YF2NV Closed	37.0694N	116.0122W
	YF3NV Closed	37.0728N	116.0242W
	YF4NV Closed	37.0747N	116.0367W
Yucca Mountain, Nevada	YM-NV Closed	36.9314N	116.5542W

	YMT1		36.8537N	116.5293W
	YMT2		36.7853N	116.4865W
	YMT3		36.7872N	116.4132W
	YMT4		36.8472N	116.4512W
	YMT5		36.8983N	116.4538W
	YMT6		36.8585N	116.4043W
Berlin, <b>New Hampshire</b>	BNH	Closed	44.5906N	71.2564W
Durham, New Hampshire	DNH		43.1225N	70.8948W
Franconia Notch, New Hampshire	FNN	Closed	44.1600N	71.6817W
Hanover, New Hampshire	HNH		43.7053N	72.2856W
Laconia, New Hampshire	LANH		43.5910N	71.4900W
Lebanon, New Hampshire	LB-NH	Closed	43.6208N	72.2756W
Lisbon, New Hampshire	LS-NH	Closed	44.2383N	71.9225W
	LBNH		44.2401N	71.9259W
Oakhill (Concord), New Hampshire	ONH		43.2792N	71.5056W
Pitcher Mountain, New Hampshire	PNH		43.0942N	72.1358W
Sanbornton, New Hampshire	NH1		43.5473N	71.5743W
Whiteface, New Hampshire	WNH		43.8683N	71.3997W
Wolfeboro,	WBNH		43.6040N	71.0990W

New Hampshire

Basking Ridge, BRNJ 40.6828N 74.5660W  
**New Jersey**

Catfish Pond, CNJ Closed 41.0358N 75.0042W  
 New Jersey

Denville, New DENJ 40.9662N 74.4642W  
 Jersey

Garret GMTN 40.8825N 74.1845W  
 Mountain, New  
 Jersey

Greenpound, GPD 41.0777N 74.4608W  
 New Jersey

Long Valley, LVNJ 40.8095N 74.7650W  
 New Jersey

Merrill Creek, ABMC 40.6860N 75.0540W  
 New Jersey

HRMC 40.7230N 75.0890W

EPMC 40.6580N 75.1900W

FHMC 40.7510N 75.0400W

PMMC 40.6410N 75.1230W

PFMC 40.7250N 75.1550W

PEMC 40.7580N 75.0760W

PDMC 40.7560N 75.117 W

HRMC 40.7230N 75.0890W

EPMC 40.6580N 75.1900W

FHMC 40.7510N 75.0400W

Montclair, MONJ 40.8083N 74.2308W  
 New Jersey

Newark, New NED 39.7042N 75.7082W  
 Jersey

Ogdensburg, OGD Closed 41.0875N 73.5958W

New Jersey

Pahaquarry, PQN 41.0073N 75.0858W  
New Jersey

Paterson, PNJ Closed 40.9071N 74.1548W  
New Jersey

Peters Valley, PVN Closed 41.1957N 74.8697W  
New Jersey

Princeton, New PRIN 40.3669N 74.7179W  
Jersey

Ramapo RAMA 41.0952N 74.1807W  
Mountain, New  
Jersey

Tabernacle, TABN Closed 39.8642N 74.6628W  
New Jersey

Albuquerque, ABQ 34.9425N 106.4575W  
**New Mexico**

Albuquerque, ALQ Closed 34.9425N 106.4575W  
New Mexico

Albuquerque, ANMO 34.9462N 106.4567W  
New Mexico

Antelope Ridge, ANTR 32.2637N 103.4107E  
New Mexico

Barley Canyon, BRC Closed 35.8903N 106.7114W  
New Mexico

Barren Site, BNM 34.1502N 106.6278W  
New Mexico

Bear Mountains, BMNM 34.2750N 107.2602W  
New Mexico

Black Butte, BBN Closed 34.4078N 106.7456W  
New Mexico

Bernardo, BDNM 34.4960N 106.9132W  
New Mexico

Cap Rock, New CPRX 33.0308N 103.8667W  
Mexico

Carlsbad, New Mexico	CLN		32.4027N	103.7318W
	CLNB		32.2642N	103.8787W
	CLN2	Closed	32.3532N	103.7738W
	CLN	4	32.3533N	104.0292W
	CLN	6	32.5208N	103.8792W
	CLN	7	32.4132N	103.8075W
	Carlsbad East Tower, New Mexico	CBET		32.4205N
Carthage, New Mexico	CRNM		33.9525N	106.7345W
Cerro Azul, New Mexico	CZL		36.2833N	105.9133W
Cerro del Durazano, New Mexico	CDN		35.4546N	107.3485W
Chama, New Mexico	CNM		36.9167N	106.5689W
Clara Peak, New Mexico	CLP		36.0358N	106.2403W
Cochiti, New Mexico	COH		35.5082N	106.3048W
La Cueva, New Mexico	LCV	Closed	35.8828N	106.6742W
Deadman Peak, New Mexico	DMPK	Closed	36.4264N	106.7756W
Dulce, New Mexico	DNM	Closed	36.9333N	106.9958W
Estancia, New Mexico	EST		34.8645N	105.7227W
Eureka Mesa, New Mexico	EUM		36.0131N	106.8439W

Farmington, New Mexico	FARG Closed	36.7781N	108.1869W
Frijoles Canyon, New Mexico	FCN Closed	35.7719N	106.2503W
Gasbuggy, New Mexico	GB-NM Closed	36.6869N	107.2261W
Golden, New Mexico	GNM	35.2496N	106.1926W
Gnome, New Mexico	GN-NM Closed	36.2625N	103.8569W
Guadalupe Mt., New Mexico	GDL2	32.2003N	104.3635W
Hat Mesa, New Mexico	HTMS	32.4725N	103.6342W
Joaquin Lookout, New Mexico	JOAQ	35.7708N	106.8411W
Jug, New Mexico	JUM	35.9050N	106.6683W
Kermit, New Mexico	KT1 Closed	32.0683N	106.3290W
	KT2 Closed	32.0894N	103.1022W
	KT5 Closed	32.0680N	103.3262
Ladron, New Mexico	LAZ	34.4020N	107.1393W
Ladron Mountain, New Mexico	LAD	34.4583N	107.0375W
La Joya, New Mexico	LJY	34.3365N	106.8958W
Lake Fork Canyon, New Mexico	LFC Closed	35.8769N	106.6647W

Las Cruces, New Mexico	LC-NM Closed	32.4022N	106.5994W
Lemitar, New Mexico	LENM	34.1655N	106.9742W
Los Alamos, New Mexico	LOA Closed	35.8247N	106.2944W
Los Alamos Infrasound Array, New Mexico	LSI01	36.7681N	106.3340W
	LSI02	36.8619N	105.2279W
	LSI03	36.9657N	105.3340W
	LSI04	36.8619N	107.4411W
Los Pinos Mt. New Mexico	LPM	34.3117N	106.6318W
Mesa Lucera, New Mexico	MLM	34.8142N	106.1450W
Mogollon, New Mexico	ML-NM Closed	33.4447N	108.8364W
Mount San Antonio, New Mexico	MSA	36.8592N	106.0178W
Mount Taylor, New Mexico	MTL	35.2519N	107.5964W
New Mexico Highlands, New Mexico	NMH	35.6042N	105.1697W
Ortiz Mountain, New Mexico	OTZ	35.7603N	106.1728W
Raton, New Mexico	RT-NM Closed	36.7294N	104.3603W
Redondo Peak, New Mexico	REDP	35.8711N	106.5628W
Rio Grant (Caja del Rio),	RIO Closed	35.7547N	106.1756W



New Mexico

Saint Peter's Dome Lookout, New Mexico	SPD		35.7578N	106.3694W
San Marcial, New Mexico	SMNM		33.7787N	107.0193W
Silver City, New Mexico	SVM	Closed	32.7787N	108.2967W
Snake Ranch Flats, New Mexico	SRF	Closed	34.2033N	107.0900W
Socorro, New Mexico	SNM		34.0702N	106.9435W
Socorro--La Hoya, New Mexico	SRM	Closed	34.3419N	106.8986W
South Baldy, New Mexico	SBM		33.9752N	107.1807W
Tesuque Peak, New Mexico	TSP		35.7853N	105.7814W
Tetilla Peak, New Mexico	TTP		35.6094N	106.2064W
Tres Piedras, New Mexico	TD-NM	Closed	36.6556N	106.1717W
Truth or Consequences, New Mexico	TC-NM	Closed	33.1842N	107.4617W
West Mesa, New Mexico	WMA		35.0722N	106.8563W
Workman Tunnel, New Mexico	WTX		34.0722N	106.9458W
Adams, <b>New York</b>	ADN	Closed	43.8333N	76.1197W
Adirondack, New York	RSNY		44.5483N	74.5300W

Adirondack Community College, New York	ACCN		43.3843N	73.6678W
Airport Hangar, New York	APH	Closed	43.8413N	74.4970W
Alexander Bay, New York	ALX	Closed	44.3325N	75.9279W
Alfred, New York	ALF	Closed	42.2253N	77.7972W
Annsville, New York	ANNS		41.3140N	73.9132W
Attica, New York	ATT	Closed	42.8358N	78.1942W
Auburn, New York	ABRN		42.9963N	76.4853W
Bangor, New York	BGR		44.8288N	74.3742W
Berlin, New York	BERL		42.6913N	73.3913W
Binghamton, New York	BING		42.0757N	75.9767W
	BINY		42.1993N	75.9861W
	BNY		42.0896N	75.9708W
Blue Mountain Lake, New York	BML	Closed	43.8680N	74.4020W
Blum, New York	BLMY		41.3297N	73.9550W
Buchanan, New York	BIPS		41.2678N	73.9473W
Buffalo, New York	BUF	Closed	42.9255N	78.8528W
Buffalo-Larkin, New York	BFF	Closed	42.8475N	78.6442W

Calls Hollow Road, New York	CHRY		41.2081N	74.2211W
Cambridge, New York	CAMB		43.0488N	73.2967W
Canisus, New York	CANY	Closed	42.9255N	78.8528W
Castle Rock, New York	CTR		43.8742N	74.4600W
Cazenovia, New York	CAZE		42.9313N	75.9200W
CCNY, New York	CNY		40.8217N	73.9533W
Chaumont, New York	CHAU		44.1375N	76.1742W
Clarkstown, New York	CLAR		41.1887N	74.0037W
Clinton, New York	CLIN	Closed	41.8750N	74.8490W
Cold Spring, New York	COSP	Closed	41.4407N	73.9282W
Cold Spring River, New York	CSRY		43.9692N	74.1750W
Croghan, New York	CROG	Closed	43.9050N	75.4125W
Cross River, New York	CRNY		41.3118N	73.5482W
Crystal Lake, New York	CLY	Closed	43.8513N	74.4490W
Dannemora, New York	DANY	Closed	44.8357N	73.7572W
Delhi, New York	DH-NY	Closed	42.2442N	74.8883W
Delli Paoli, New York	DPLY		41.2528N	73.9108W

Deposit, New York	DP-NY	Closed	42.0883N	75.4522W
Dersam, New York	DNY	Closed	42.8363N	78.1688W
Doyle Hill, New York	DHN		42.8255N	78.1930W
Dunderburg Mt., New York	DBMY		41.2944N	43.9750W
Dusing, New York	DSN	Closed	42.8843N	78.1803W
East Aurora, New York	EAN	Closed	42.7686N	78.6192W
Eagle's Nest, New York	EGN	Closed	43.8595N	74.4818W
Ellenville, New York	ELNV		41.5000N	74.4398W
Elma, New York	ELM	Closed	42.8497N	78.6442W
Fordham, New York	FOR	Closed	40.8631N	73.8856W
Garrison, New York	GARN		41.8603N	73.9240W
Germantown, New York	GERM		42.1570N	73.8113W
Gilboa, New York	GILB		42.4230N	74.4527W
Girl Scout Camp, New York	GSCY		41.2661N	74.0039W
Glen Cove, New York	GCY		40.8583N	73.6300W
Gloversville, New York	GLOV		43.0895N	74.3320W
Gobbelet, New York	GOBY		41.3294N	73.9219W

Goodnow Flow, New York	GNF		43.9152N	74.2302W
Grafton, New York	GFN	Closed	42.7928N	73.4153W
Hamburg, New York	HMB	Closed	42.6545N	78.8525W
Hamilton, New York	HNY	Closed	42.8318N	75.5148W
Haverstraw, New York	HAVE		41.2325N	74.1113W
Holy Mount Cemetery, New York	HMCY		40.9648N	73.8032W
Ithaca, New York	ITH	Closed	42.4500N	76.4833W
	INY		42.4438N	76.4836W
Lacona, New York	LCNA		43.6442N	75.9260W
Lima, New York	LILH		42.9213N	77.6172W
Manhattan, New York	AMNH		40.7808N	73.9738W
Massena, New York	MSNY		44.9983N	74.8620W
Medina, New York	MEDY		43.1818N	78.3903W
Mineville/ Weatherbee, New York	MIV		44.0747N	73.5340W
Newcomb, New York	NCB		43.9708N	74.2236W
North Woods Club, New York	NWC		43.8450N	74.1502W
Oakfield, New York	OAK	Closed	43.0570N	78.3372W

Ontario, New York	ONTR		43.2738N	77.3067W
Osborn, New York	OSBY		41.3603N	77.9239W
Ossining, New York	OSNY		41.2117N	73.8283W
Oswego, New York	OSWG		43.5170N	76.4162W
Over Castle Rock, New York	OCN	Closed	43.8848N	74.5293W
Palisades, New York	PAL		41.0092N	73.9092W
Peter Gray Mountain, New York	PGY		43.7077N	74.0452W
Phelps, New York	PHEL		42.9542N	77.0950W
Plattsburgh, New York	PNY		44.8342N	73.5550W
Potsdam, New York	PTN		44.5700N	78.9819W
Putnam, New York	PUTN		41.3818N	73.8283W
Queensboro Lake, New York	QLNY		41.3092N	74.0375W
Rochester-Mercier, New York	RMO	Closed	43.1317N	77.5386W
Rochester-Odenbach, New York	ROC		43.1245N	77.5923W
Rockland Lake, New York	RLSP		41.1543N	73.9107W
Rotterdam, New York	ROTD		42.7508N	74.0872W

Saint Peters School, New York	SPSY		41.3019N	73.8906W
Sanborn, New York	SANY		43.1738N	78.8703W
Scherman, New York	SRMY		41.2283N	73.0139W
Skaneateles, New York	SKN	Closed	42.9915N	76.4672W
Ski Hill Lift, New York	SKLY	Closed	43.9603N	74.1753W
Sodus, New York	SONY		43.1922N	76.9647W
Sterling Forest, New York	SFN		41.1962N	74.2612W
	SFO	Closed	41.1962N	74.2600W
Stiles, New York	STM		41.1140N	74.2000W
	STLY		41.1886N	74.0036W
Stillwater, New York	STWA		42.9620N	73.6773W
Stone Ridge, New York	SPNY		41.8756N	74.1492W
	PONY		41.8517N	74.1500W
Stone Ridge, New York	PKNY		41.8742N	74.1714W
Stony Point, New York	SNPY		41.2663N	74.0040W
Suffern, New York	SUFF		41.1583N	74.1092W
Table Rock, New York	TBR		41.1417N	74.2221W
Troy, New York	TRY		42.7311N	73.6669W

Tuscarora, New York	TUS	Closed	43.1800N	78.9592W
Tuxedo, New York	TXNY		41.1775N	74.1887W
Utowana Lake, New York	UWL	Closed	43.8378N	74.5433W
Ward Pound Ridge, New York	WPR	Closed	41.2547N	73.5857W
Waterville, New York	WTVE		42.9460N	75.3272W
Wegel, New York	WGLY		41.3589N	73.8994W
Wellesley Island, New York	WLI	Closed	44.3090N	76.0098W
Westchester Community College, New York	WCC		41.0585N	73.7918W
West Monroe, New York	WMNY		43.3560N	76.0313W
Westmoreland, New York	WEST		43.1635N	75.4800W
West Park, New York	WPNY	Closed	41.8030N	73.9707W
West Valley, New York	WVLY		42.4708N	78.5683W
Wilmington, New York	WNY		44.3910N	73.8595W
Windham, New York	WND		42.3373N	74.1525W
Yorkshire, New York	YSNY		42.4758N	78.5375W
Albemarle, <b>North Carolina</b>	AE-NC		35.4336N	80.0597W
Ashville,	AVNC		35.6240N	82.5310W



North Carolina

Benn Knob, North Carolina	BENN		35.5660N	81.6610W
Blue Ridge Broadcasting Co., North Carolina	BRBC		35.7390N	82.2860W
Butner, North Carolina	BUNC		36.1764N	78.7631W
Chapel Hill, North Carolina	CEH		35.8908N	79.0928W
	CHC	Closed	35.9028N	79.0506W
Cherry Point, North Carolina	CPC	Closed	34.9000N	76.8833W
Early Rise, North Carolina	ER319	Closed	36.3908N	76.1642W
Grandfather Mountain, North Carolina	GFM		36.1110N	81.8070W
Greensboro, North Carolina	GBNC		36.0678N	79.7450W
Mount Sheppard, North Carolina	MTSH		35.7556N	79.9528W
Murphy, North Carolina	NYNC		35.0739N	84.1279W
Pores Knob, North Carolina	PKNC		36.0460N	81.1580W
Raleigh, North Carolina	RNC		35.6318N	78.9803W
Richland Balsam, North Carolina	RBNC		35.3570N	82.9860W
Rich Mountain, North Carolina	RICH		35.9195N	82.8187W
Tryon Peak, North Carolina	TRYN		35.2460N	82.2670W

North Carolina

Wesser Bold, WSSR 35.2778N 83.5780W  
North Carolina

Wilmington, WNC 34.0581N 78.2461W  
North Carolina

Hannah, HH-ND Closed 48.9481N 98.6925W  
**North Dakota**

HH2ND Closed 48.9442N 98.6822W

Ryder, North RY-ND Closed 48.0972N 101.4944W  
Dakota

Trotters, North TS-ND Closed 47.1069N 103.6731W  
Dakota

Alum Creek SP, ACSO 40.2319N 82.9820W  
**Ohio**

Anna, Ohio AN1 Closed 40.4792N 84.1308W

AN3 Closed 40.5486N 84.8122W

AN4 Closed 40.2219N 83.8978W

AN7 Closed 40.8233N 80.8600W

AN8 Closed 40.2444N 84.2864W

AN9 Closed 40.7111N 84.4969W

AN10 Closed 40.4728N 84.4700W

AN11 Closed 40.5639N 84.6803W

AN12 Closed 40.9214N 84.1822W

Bloom-Carroll ACSO 39.7940N 82.6980W  
Schools, Ohio

Bowling Green, BGO 41.3781N 83.6592W  
Ohio

Bowling Green BGSO 41.3812N 83.6404W  
State Univ.,  
Ohio

Chesterland, CCHE Closed 41.5612N 81.3620W

Ohio

Cincinnati, Ohio	CNN	Closed	39.1450N	84.4967W
Cleveland, Ohio	CLE	Closed	41.4888N	81.5321W
East Claridon, Ohio	CECL	Closed	41.5470N	81.1020W
Galion, Ohio	GZ-OH	Closed	40.6600N	82.7833W
Girdled Road, Ohio	CGRR	Closed	41.6787N	81.1418W
Mentor, Ohio	CMEN	Closed	41.6840N	81.4040W
Milford, Ohio	MLF	Closed	39.1374N	84.2774W
Mount Union College, Ohio	MUCO			
Ohio Geological Survey, Columbus, Ohio	OGSO		40.0570N	82.9630W
Ohio State University- Lima, Ohio	OSLO		40.7390N	84.0250W
Ohio University, Ohio	OUAO		39.3220N	82.0970W
Ohio State University- Mansfield, Ohio	OSMO			
Shawnee State University, Ohio	SSUO		38.7290N	82.9890W
Thompson, Ohio	CTOM	Closed	41.6917N	81.1473W
Thorn Acres, Ohio	CTHA	Closed	41.5422N	81.1108W
University of	UOCO		39.1400N	84.5220W

Cincinnati,  
Ohio

University of Toledo, Ohio	UTO	Closed	41.6619N	83.5743W
	UTLO		41.6590N	83.6180W
Wright State University-- Celina, Ohio	WSCO		40.5460N	84.5090W
-- Dayton	WSDO			
Alabaster Cavern State Park, <b>Oklahoma</b>	ACO		36.6986N	99.1461W
Altona, Oklahoma	ATO		35.7922N	98.1195W
Antlers, Oklahoma	AL-OK	Closed	34.3581N	95.6125W
Apache, Oklahoma	AP-OK	Closed	34.8331N	98.4358W
Ardmore, Oklahoma	AM-OK	Closed	34.0478N	97.4114W
Atoka, Oklahoma	AK-OK	Closed	34.3683N	93.0572W
Bethel, Oklahoma	BHO	Closed	34.3808N	94.8673W
Bixby, Oklahoma	BIX		35.9780N	95.8461W
Camp Classen, Oklahoma	CCOK		34.4578N	97.1556W
Carnasaw Mt Lookout Tower, Oklahoma	CRO	Closed	34.1499N	94.5556W
Cedar Creek, Oklahoma	CDO	Closed	34.1904N	94.7726W
Clayton, Oklahoma	CT-OK	Closed	34.4881N	95.1272W

Durant, Oklahoma	DU-OK	Closed	34.0364N	96.2178W
Franklin, Oklahoma	FKO		35.2613N	97.3861N
	FNO		35.2571N	97.4006W
Fort Gibson Oklahoma	GBO	Closed	35.8526N	95.1843W
Hobart, Oklahoma	HB-OK	Closed	35.1764N	98.9103W
Hochatown State Park, Oklahoma	HHU			
John's Creek, Oklahoma	JCE1		35.5812N	97.9003W
Leonard, Oklahoma	LNO		35.9125N	95.7892N
	LNO2		35.9125N	95.7892W
	LNO3		35.9125N	95.7892W
Little Silver Creek, Oklahoma	LSO			
Mazie Landing, Oklahoma	MZO	Closed	36.1316N	95.3001W
Meers, Oklahoma	MEO		34.7835N	98.5846W
Meers Fault, Oklahoma	MFO	Closed	34.8212N	98.5296W
Meridian, Oklahoma	MRO	Closed	35.8356N	97.2265W
Norman, Oklahoma	NMO	Closed	35.2056N	97.4440W
Oklahoma City, Oklahoma	OCO		35.5240N	97.4740W
Oologah, Oklahoma	OLO	Closed	36.4572N	95.7108W

Quartz Mountain State Park, Oklahoma	QZO		34.9052N	99.3053W
	QMO	Closed	34.8929N	99.3071W
Pickens, Oklahoma	PKO		34.3973N	95.0311W
Ponca City, Oklahoma	PCO		36.6930N	96.9825W
Red Rock Canyon, Oklahoma	RRO	Closed	35.4569N	98.3584W
Rose Lookout Tower, Oklahoma	RLO		36.1652N	95.0229W
Shell Creek, Oklahoma	SCE1		35.4390N	97.8140W
Slick, Oklahoma	SIO		35.7463N	96.3071W
Tishomingo, Oklahoma	TO-OKC	Closed	34.3564N	96.5681W
Tulsa, Oklahoma	TSO	Closed	36.1482N	95.8979W
	TUL		35.9106N	95.7925W
Union Valley, Oklahoma	UYO		34.1667N	94.4588W
Vivian, Oklahoma	VVO		35.3368N	95.7374W
Watson, Oklahoma	WA-OK	Closed	34.4417N	94.4911W
Wichita Mountains Array, Oklahoma	WMO	Closed	34.7181N	98.5892W
Wichita Mountains, Oklahoma	WMOK		34.7379N	98.7810W
Wilson,	WLO		34.0648N	97.3697W

Oklahoma

Adel, <b>Oregon</b>	AOT Closed	42.1665N	119.9033W
Ashland, Oregon	ALO	42.2000N	122.7000W
Bald Peter, Oregon	VPBM	44.6610N	121.6890W
	BPO	44.6519N	121.6887W
Bates, Oregon	BT-OR Closed	44.6244N	118.7711W
Beaver Butte, Oregon	VBEM	45.0603N	121.5868W
Blue Mountains Array, Oregon	BMO	44.8489N	117.3056W
Butler Butte, Oregon	BBOR	42.8868N	122.6796W
Cabbage Hill, Oregon	CHOR	45.5908N	118.5792W
Chase Mountain, Oregon	VCMM	42.0955N	121.9888W
Corvallis, Oregon	COR	44.5857N	123.3032W
Crane, Oregon	CR-OR Closed	43.4175N	118.5122W
Crater Lake, Oregon	VCLM	42.8785N	122.1202W
Criterion Ridge, Oregon	CROR	44.9828N	120.9882W
Dodson Butte, Oregon	DBO	43.1192N	123.2428W
Farmers Butte, Oregon	FBO	44.3099N	122.5778W
Flag Point, Oregon	VFP	45.3181N	121.4651W
Four Mile Canyon, Oregon	FMC	45.6244N	120.0283W

Frederick Butte, Oregon	VFBM	43.6585N	120.2375W
Goat Mountain, Oregon	VGTM	45.1498N	122.2653W
	GT2	45.1556N	122.2708W
Gordon Butte, Oregon	VGB	45.5157N	120.7775W
Grass Mountain, Oregon	VGMM	43.5923N	122.5460W
Green Peter, Oregon	VGPM	44.4833N	122.5815W
Gresham, Oregon	PGO	45.4667N	122.4528W
Grindstone Mountain, Oregon	GROR	45.3513N	123.6619W
Grizzlie Mountain, Oregon	GMO	44.4391N	120.9562W
Hamaker Mountain, Oregon	HAMO	42.0690N	121.9711W
H. Mason, Portland State University, Ore.	HMO	45.5381N	121.5719W
Hamelton Butte, Oregon	VHBM	42.7858N	121.3493W
Harness Mountain, Oregon	HSO	43.5238N	123.0900W
Hermiston, Oregon	HRO	45.8357N	119.3808W
High Heaven, Oregon	VHHM	45.2647N	123.3095W
Hood Meadows East, Oregon	VHEM	45.3287N	121.6743W



Horsefly Mountain, Ore.	VHYM	52.2645N	121.0492W
Huckleberry Mountain, Oregon	HBO	43.8443N	122.3200W
Ingram Point, Oregon	VIPM	44.5082N	120.6088W
Jersey, Oregon	VJYM	44.9022N	120.9742W
Jordan Butte, Oregon	JBO	45.4616N	119.8370W
Kings Mountain, Oregon	KMOR	45.6355N	123.4895W
Klamath Falls, Oregon	KFO Closed	42.2667N	121.7450W
Larch Mountain, Oregon	VLMM	45.5385N	122.0392W
La Grande, Oregon	LGOR	45.2164N	118.0008W
Laurance Lake, Oregon	VLL	45.4633N	121.6792W
Lime, Oregon	LIME	44.4331N	117.2478W
Little Aspen Butte, Oregon	LAB	42.2675N	122.0636W
Lincton, Oregon	LNOR	45.8711N	118.2850W
Mary's Peak, Oregon	MPOR	44.5048N	123.5502W
Maupin, Oregon	VMNM	45.1868N	121.0530E
Milton Freewater, Oregon	MFW	45.9030N	118.4058W
Mount Hagen, Oregon	VMHM	45.1377N	122.4073W

Mount Hebo, Oregon	VHOM		45.2192N	123.7253W
Newberry Crater, Oregon	NCOR		43.7040N	121.1383W
Nicolai Mt., Oregon	NLO		46.0883N	123.4500W
Pendleton, Oregon	PNO		45.6120N	118.7629W
	PT-OR	Closed	45.6111N	118.8839W
Pilot Rock, Oregon	PK-OR	Closed	45.3175N	118.9092W
Pine Creek, Oregon	PN-OR	Closed	43.7431N	118.5772W
Pine Mountain, Oregon	VPIM	Closed	43.7909N	120.9449W
	PINOR		43.811N	120.8719W
Portland, Oregon	PTD		45.5083N	122.7164W
Rainbow Creek, Oregon	VRC		42.3367N	122.2175W
Rainier, Oregon	RAIO		46.0403N	122.8851W
Roman Nose, Oregon	RNO		43.9122N	123.7406W
Roosevelt, Oregon	RPK		45.7617N	120.2307W
Rainbow Creek, Oregon	VRC		42.3367N	122.2175W
Round Butte Dam, Oregon	VRBM		44.6008N	121.2702W
Saint Patrick Mountain, Oregon	VPMM		43.1933N	120.6663W
Salem, Oregon	VSMM		44.9270N	123.1275W
Scott Mountain,	VSCM		43.3725N	123.0632W

Oregon

Seneca, Oregon SA-OR Closed	44.1556N	118.6625W
Snow Cap Mountain, Oregon KSCM	42.3440N	124.1647W
Sparta, Oregon SR-OR Closed	44.9403N	117.4278W
Spring Butte, Oregon VSBM	43.5237N	121.3473W
Sweet Springs, Oregon SSOR	44.8560N	122.4605W
The Dalles, Oregon VTDM	45.5453N	121.3115W
Three Creek Meadows, Oregon TCO	44.1075N	121.6000W
Tom, Dick, and Harry Mountain, Oregon TDH	45.2898N	117.7903W
Trask Mountain, Oregon TKO	45.3713N	123.4539E
Trinity Point, Oregon TPOR	45.0244N	117.0858W
Trough, Oregon VTHM	45.1812N	120.5605W
Trout Creek Butte, Oregon VTCM	44.9137N	121.6658W
Ukiah, Oregon Closed	45.0931N	118.8986W
Venator, Oregon VT-OR Closed	43.1136N	118,4147W
Walker Mountain, Oregon VWMM	43.3050N	121.7158W
Wanoga Butte, Oregon VWBM	43.9137N	121.5545W
West Portland, Oregon WPO	45.5733N	122.7896W

Whale Back Mountain, Oregon	WMOR		42.9028N	122.5919W
Wild Horse Valley, Oregon	WVOR		42.4339N	118.6367W
Abington, <b>Pennsylvania</b>	ABG	Closed	40.1167N	75.1333W
Allentown, Pennsylvania	ATPA		40.5767N	75.5886W
Altoona, Pennsylvania	AS-PA	Closed	40.7331N	78.5329W
Beaver, Pennsylvania	BVR		40.7000N	80.3333W
Bedford, Pennsylvania	BD-PA	Closed	40.1333N	78.5078W
Belleville, Pennsylvania	BV-PA	Closed	40.6844N	77.6233W
Berlin, Pennsylvania	BR-PA	Closed	39.9242N	78.8447W
Bloomsburg, Pennsylvania	BB-PA	Closed	41.1822N	76.5519W
Dickinson College, Pennsylvania	DCP		40.2040N	77.1970W
Early Rise, Pennsylvania	ER300	Closed	40.4617N	80.1806W
	ER301	Closed	40.2869N	79.9494W
	ER302	Closed	40.0783N	79.7703W
	ER303	Closed	39.8753N	79.5306W
Erie, Pennsylvania	ERP		42.1333N	79.9833W
Galeton, Pennsylvania	GT-PA		41.6317N	77.8111W

Hidden Lake, Pennsylvania	HKP	Closed	41.0382N	75.0617W
Howard, Pennsylvania	HD-PA	Closed	40.9956N	77.5956W
Kutztown, Pennsylvania	KTZ	Closed	40.5117N	75.7800W
Lewistown, Pennsylvania	LT-PA	Closed	40.3392N	78.0667W
Middleburg, Pennsylvania	MR-PA	Closed	40.8147N	77.1756W
Millersville State College, Pennsylvania	MVL		39.9992N	76.3506W
Montrose, Pennsylvania	MS-PA	Closed	41.7611N	75.7975W
New Kensington, Pennsylvania	NKP	Closed	40.5597N	79.7542W
Philadelphia, Pennsylvania	PHI	Closed	39.9589N	75.1750W
Pittsburgh, Pennsylvania	PII	Closed	40.4450N	79.9533W
Pottstown, Pennsylvania	PJ-PA	Closed	40.2828N	75.5836W
Shamokin, Pennsylvania	SH-PA	Closed	41.0136N	74.9136W
Standing Stone, Pennsylvania	SSPA		40.6358N	77.8880W
State College, Pennsylvania	SCP		40.7950N	70.8650W
Sunset Lake, Pennsylvania	SSL	Closed	41.1612N	74.9162W
Tunkhannock, Pennsylvania	TU-PA	Closed	41.5714N	76.1367W
Waynesburg,	WAY	Closed	39.9017N	80.1850W

Pennsylvania

Arecibo, <b>Puerto Rico</b>	APR		18.4521N	66.7295W
Barrio Florida, Puerto Rico	PWP	Closed	18.1350N	65.4450W
Caguas, Puerto Rico	CAG	Closed	18.2394N	66.0353W
Camp Garcia, Puerto Rico	CGV		18.1328N	65.3137W
Canovanas, Puerto Rico	CBVP		18.2700N	65.8600W
Cape San Juan, Puerto Rico	CSJ	Closed	18.3830N	65.6180W
Cerrilos, Puerto Rico	CELP		18.0746N	66.5795W
	CLLP	Closed	18.0800N	66.5767W
Cerro de Pandura, Puerto Rico	CPD		18.0839N	65.9510W
Cerro de Punta, Puerto Rico	CDP		18.1751N	66.5913W
	CDPB		18.1700N	66.5900W
Coachella, California	COA		32.8635N	115.1227W
Coamo, Puerto Rico	CCA	Closed	18.0696N	66.3263W
Colonia Sabana, Puerto Rico	CSB		18.2897N	66.1567W
Cornellia Hill, Puerto Rico	CORN		18.1635N	67.1794W
Culebra, Puerto Rico	CUP	Closed	18.3350N	65.3090W
	CULB			
Dos Bocos Dam, Puerto Rico	DOS	Closed	18.3294N	66.6789W

El Yunque, Puerto Rico	EYP	Closed	18.3127N	65.7911W
Isla Caja Muertos, Puerto Rico	ICMB		17.8900N	66.5200W
Isla Desecheo Puerto Rico	IDE		18.3864N	67.4795W
Lares, Puerto Rico	LRS		18.2934N	66.8450W
Isla Mona, Puerto Rico	IMR	Closed	18.0884N	67.8697W
	IMO		18.1114N	67.8463W
Lares, Puerto Rico	LRS		18.2934N	66.8450W
Maricao, Puerto Rico	MRCP		18.1770N	67.0310W
Maguayo, Puerto Rico	MGP		18.0076N	67.0891W
Mayaguez, Puerto Rico	MPR		18.2130N	67.1390W
Las Mesas, Puerto Rico	LSP		18.1775N	67.0860W
	LSP2	Closed	18.1458N	66.9811W
Moca, Puerto Rico	MCP	Closed	18.4143N	67.0775W
	MOCA		18.4143N	67.0775W
Monte del Estado, Puerto Rico	MEP	Closed	18.1458N	66.9811W
Monte Pirata, Puerto Rico	MTP		18.0940N	65.5570W
	MTPB		18.0900N	65.5500W
Morovis, Puerto Rico	MOV	Closed	18.2987N	66.3666W
Penuelas,	PNP		18.0583N	66.6836W

Puerto Rico

La Peregrina, Puerto Rico	LPR	Closed	18.3086N	65.8697W
Ponce, Puerto Rico	PZ-PR	Closed	17.9700N	66.4178W
	PON	Closed	18.0033N	66.6139W
Ponta Puerca, Puerto Rico	PTP	Closed	18.2362N	65.6175W
Portuguez, Puerto Rico	PORP		18.0583N	66.6370W
Roosevelt Roads, Puerto Rico	RRD	Closed	18.2360N	65.6180W
	RRP	Closed	18.2333N	65.6333W
San Juan, Puerto Rico	SJG		18.1117N	66.1500W
	SJP	Closed	18.3817N	66.1183E
Vieques, Puerto Rico	VQS	Closed	18.4807N	65.8516E
Lafayette, <b>Rhode Island</b>	LAF	Closed	41.5508N	71.5067E
Smithfield, Rhode Island	BRYN		41.9178N	71.5388W
<b>South Carolina</b>	BG3		34.9930N	82.9317W
Baptist College of Charleston, South Carolina	BCS		32.9797N	80.0653W
Bowman, South Carolina	BOW		33.3736N	80.6431W
Cawcaw Swamp, South Carolina	CCS		32.8161N	80.2553W
Calhoun Falls, South Carolina	CHF	Closed	32.0247N	82.5867W
Charleston, South Carolina	SC		32.750N	80.000W



Columbia, South Carolina	CSC	Closed	34.0000N	81.0333W
Cow Castle Creek, South Carolina	COW		33.3817N	80.6993W
Cross Fire Station, South Carolina	CFS		33.2787N	80.1693W
Dorchester, South Carolina	DRC		33.1075N	80.3883W
Frances Marion National Forest, South Carolina	FMF	Closed	32.9540N	79.8410W
Graniteville, South Carolina	GVS	Closed	33.5970N	81.8528W
Harts Bluff, South Carolina	HBF		32.9331N	80.3777W
Hollywood, South Carolina	HWD		32.7388N	80.2835W
Jenkinsville, South Carolina	JSC		34.2817N	81.2603W
Lexington, South Carolina	LSC			
Liberty Hill, South Carolina	LHS		34.4762N	80.8062W
Middleton Gardens, South Carolina	MGS		32.8978N	80.1410W
Moncks Corner, South Carolina	MKC	Closed	33.1900N	80.0400W
Monetta, South Carolina	MTT		33.7503N	81.6400W
Monticello Reservoir, South Carolina	MR01		34.3318N	81.2957W
	MR02		34.1929N	81.2302W

	MR03		34.3514N	81.4569W
	MR04		34.4287N	81.2166W
	MR05		34.2675N	81.3342W
	MR06		34.3517N	81.1962W
	MR07		34.3720N	81.3250W
	MR08		34.4088N	81.4092W
	MR09		34.3008N	81.4030W
	MR10		34.3363N	81.3375W
Mount Moriah Church, South Carolina	MMCS		34.7798N	82.9152W
Mount Zion Church, South Carolina	ZIN		33.7514N	80.1597W
New Hope, South Carolina	NHSC		33.1067N	80.1778W
New Hope (USGS), South Carolina				
North Hampton, South Carolina	NHS	Closed	33.0717N	79.7556W
Oceanview, South Carolina	VEV		32.7177N	79.9415W
Orangeburg, South Carolina	OSB		33.5472N	80.4444W
	OSC	Closed	33.5397N	80.8250W
Parsons Mountain, South Carolina	PRM		34.0830N	82.3630W
Pierpont, South Carolina	PPS	Closed	32.8236N	80.0400W

Pigeon Bay, South Carolina	PBS	Closed	33.2790N	80.2640W
Porcher Bluff, South Carolina	PBF		32.8585N	79.7642W
Richland Balsam, South Carolina	RBNC		35.3570N	82.9860W
Roger Stewart, South Carolina	RGRS		32.9075N	80.1942W
Rowesville, South Carolina	ROW		33.3650N	80.7944W
St. George, South Carolina	SGS		33.1925N	80.5095W
Savannah River Plant--D Area, South Carolina	SRPD		33.1550N	81.7125W
	Navy	SRPN	33.3289N	81.5889W
Well DRB-10	SRPW		33.2022N	81.5781W
Seabrook, South Carolina	SBK		32.5655N	80.1802W
Six Mile Mountain, South Carolina	SMMS		34.8325N	82.8042W
Slandsville, South Carolina	SVS		32.9683N	80.2402W
Smelzer Mountain, South Carolina	SMSC		34.9308N	82.9710W
Summerton, South Carolina	SMA	Closed	33.6283N	80.3181W
Tillmans- Whites-Bay, South Carolina	TWB		33.1147N	80.1030W
Tryon Peak, South Carolina	TRYN		35.2460N	82.2670W

Turkey Creek, South Carolina	TRK		33.1222N	79.7778W
Varnville, South Carolina	VRN		33.0375N	80.9417E
	VSC	Closed	32.8792N	81.0500W
West Ashley, South Carolina	WSS		32.8468N	80.2717W
West Middle School, South Academy, <b>South Dakota</b>	WMS		33.1072N	80.1628W
	AY-SD	Closed	43.5278N	99.1083W
Black Hills, South Dakota	RSSD		44.1204N	104.0362W
Colome, South Dakota	CO-SD	Closed	43.2867N	99.6703W
Dell Rapids, South Dakota	DL-SD	Closed	43.8328N	96.7733W
Eagle Butte, South Dakota	EBS		44.9998N	101.2322W
Mitchell, South Dakota	MC-SD	Closed	43.6544N	97.9144W
Lead, South Dakota	LEA	Closed	44.3333N	103.8167W
Rapid City, South Dakota	RCD		44.0750N	103.2083W
Redig, South Dakota	RG-SDC	Closed	45.2164N	103.5347W
Salem, South Dakota	SX-SD	Closed	43.8747N	97.2500W
Stickneym, South Dakota	SY-SD	Closed	43.6056N	98.4917W
Winner, South Dakota	WN-SD	Closed	43.2522N	100.1961W
Swan Island,	SWA		17.4000N	83.9333W

U.S.

Anderson, <b>Tennessee</b>	ANTN	36.1717N	85.2313W
Antioch Church, Tennessee	ACTN Closed	36.3470N	89.3100W
Auburntown, Tennessee	ABTN	35.8855N	86.1090W
Big Springs, Tennessee	BSPT	35.7260N	84.1090W
Big Stone Gap, Tennessee	BI-VAC	36.5045N	82.4225W
Birchfield Mountain, Tennessee	BFMT	35.4880N	84.2270W
Blowhole, Tennessee	BHT	35.8470N	84.9450W
Blue Bank Bayou, Tennessee	BBTN Closed	36.3870N	84.4570W
Brown Mountain, Tennessee	BRTN	36.3567N	82.8678W
Bunker Hill, Tennessee	BKHT	35.5320N	83.9360W
Caryville, Tennessee	CA-TN Closed	36.1444N	84.1897W
Centerville, Tennessee	CV-TN Closed	35.7700N	87.3844W
Christianburg, Tennessee	CBT Closed	35.5394N	84.4206W
Cottonwood Point, Tennessee	CWPT	36.0091N	89.6264W
Church Hills, Tennessee	CHTN Closed	36.5847N	82.7200W

Cold Springs, Tennessee	CSPT	35.7610N	83.8240W
Columbia, Tennessee	COTN Closed	35.7842N	86.9707W
Comb Ridge, Tennessee	CRTN	36.1998N	83.8407W
Cow Camps Ridge, Tennessee	CCRT	35.4660N	84.0540W
Crossville, Tennessee	CS-TN Closed	35.8153N	85.1594W
Cumberland Gap, Tennessee	CGTN Closed	36.5580N	83.7110W
Cumberland Plateau, Tennessee	RSCP Closed	35.6000N	85.5689W
Cumberland Plateau Observatory, Tennessee	CP-SO Closed	35.5947N	85.5706W
Ducktown, Tennessee	DCT	35.0542N	84.4194W
Dyersburg, Tennessee	DRTN	26.1370N	89.3650W
	DY1 Closed	36.1917N	89.3917W
Ebenezer Church, Tennessee	EBZ	35.1413N	89.3505W
Edith, Tennessee	EDIT	35.8630N	89.5543W
Etowah, Tennessee	ETT	35.3260N	84.4450W
Flat Gap, Tennessee	FGTN	36.4340N	83.1950W
Gallatin, Tennessee	GLT	36.3617N	86.4983W

Gratio, Tennessee	GRT		36.2640N	89.4250W
Greenback, Tennessee	GBTN		35.6660N	84.2110W
Glass, Tennessee	GLST		36.2691N	89.2877W
Hathaway, Tennessee	HAWT		36.2256N	89.6596W
Hurricane Hollow, Tennessee	HHT	Closed	36.1711N	87.9014W
Jackson, Tennessee	JS-TN	Closed	35.6556N	88.6128W
Knoxville, Tennessee	HPKT	Closed	35.9260N	83.8790W
La Follette, Tennessee	LF-TN	Closed	36.4697N	83.8286W
Land-Between- the-Lakes, Tennessee	LLKY		36.9220N	88.0970W
Lassiter, Tennessee	DY2	Closed	36.3302N	89.3520W
Lassiter Corners, Tennessee	DY5	Closed	36.3247N	89.36219309W
Lennox, Tennessee	LTN	Closed	36.0630N	89.4950W
Lewisburg, Tennessee	LE-TN	Closed	35.6347N	86.7672W
Linda, Tennessee	LDMO		36.4110N	89.5630W
Little Mountain, Tennessee	LMTN		35.8868N	83.4098W

Look Rock, Tennessee	LRKT		35.6340N	83.9240W
Manchester, Tennessee	MX-TN		35.5503N	86.2700E
Maryville, Tennessee	MVLT		35.7340N	83.9420W
McMinnville, Tennessee	MM-TN	Closed	35.5644N	85.5889W
Memphis, Tennessee	MPH	Closed	35.1220N	89.9340W
Milan, Tennessee	MILT		35.8489N	88.7329W
Millsfield, Tennessee	MFTN		36.1610N	89.3930W
Miston, Tennessee	MIST		36.1707N	89.5023W
Model, Tennessee	MOTN		36.6180N	87.9867W
Nankipoo, Tennessee	NKT	Closed	35.8500N	89.5540W
Natchez Trace State Park, Tennessee	NATN	Closed	35.8560N	88.2400W
	NAIN	Closed	35.8560N	88.2400W
Oak Grove, Tennessee	OKG	Closed	35.6260N	89.8350W
Oak Ridge, Tennessee	ORT		35.9095N	84.3038W
Old Graveyard Slough, Tennessee	OGTN	Closed	36.4200N	89.4860W
Oneida, Tennessee	ONTN		36.4815N	84.4433W
Owl Hoot, Tennessee	OHTN		36.1500N	89.5200W



Parsons, Tennessee	PB-TN Closed	35.7361N	88.1361W
Piedmont, Tennessee	PDTN	35.2733N	85.8495W
Portageville, Tennessee	PTG	36.2539N	89.7037W
Red Hill, Tennessee	RHT	35.0781N	84.8825W
Riceville, Tennessee	RCT	35.3453N	84.6614W
Roellen, Tennessee	RELT	36.0332N	89.3022W
Samburg, Tennessee	DY4 Closed	36.4167N	89.3031W
St. John's Bayou, Tennessee	SJMO	36.4744N	89.3022W
Sandy Hook, Tennessee	SHTN Closed	35.4597N	87.1297W
Sewanee, Tennessee	SWTN Closed	35.3002N	86.0763W
	SWET	35.2163N	85.232W
Shelby Forest, Tennessee	SFTN	35.3575N	90.0187W
Short Mountain, Tennessee	SMTN	36.3820N	83.1820W
Sullivan, Tennessee	SLTN	36.4432N	82.1205W
Tellico Plains, Tennessee	TLT	35.3011N	84.2833W
Tennessee City, Tennessee	TCT Closed	36.0053N	87.5528W
Tennessee Earthquake Information	TEIC		

Ctr., Memphis, Tennessee				
Tiptonville, Tennessee	DY3	Closed	36.4430N	89.5069W
Townsend, Tennessee	TSTN		35.6766N	83.7040W
Tranquility, Tennessee	TQTN		35.5160N	84.7258W
Tuckaleechee Caverns, Tennessee	TKL		35.6581N	83.7742W
Union Grove, Tennessee	UGRT		35.6109N	84.1170W
University of Tennessee at Martin, Tenn,	UTM	Closed	36.2900N	88.9410W
	UTMA		36.2930N	88.9760W
	UTMT		36.3423N	88.8642W
Van Hill, Tennessee	VHTN	Closed	36.3990N	82.8020W
Wartburg, Tennessee	WT-TN	Closed	36.1097N	84.7578W
Waverly, Tennessee	WVT		36.1300N	87.8300W
White Oak Mountain, Tennessee	WMTN		35.2480N	84.9732W
Zu Zu, Tennessee	ZZT	Closed	35.3640N	89.3720W
Guadalupe Mts, <b>Texas</b> (USGS)				
Amarillo, Texas	AZ-TX	Closed	35.4300N	101.9306W
Austin, Texas	ATX		30.3144N	97.8667W
	AUS	Closed	30.2833N	97.7833W

Balморhea, Texas	BM-TX Closed	30.9264N	103.8550W
Baylor Univ., Texas	BUTA	31.6917N	97.3483W
Boracho Peak, Texas	MT1	30.9290N	104.3908W
Eagle Mt.	MT2	30.8990N	105.0800W
Miller Ranch	MT3	30.5419N	104.6576W
Brite Ranch	MT4	30.2730N	104.5700W
Campobrande Mountain, Texas	CGTX	31.3267N	105.7100W
Childress, Texas	CEC Closed	34.5720N	100.3258W
	CNE Closed	34.5838N	100.3103W
	CNO Closed	34.5780N	100.3352W
	CNW Closed	34.5917N	100.3597W
	CSE Closed	34.5558N	100.3305W
	CSW Closed	34.5570N	100.3480W
	CWT Closed	34.5703N	100.3437W
Cooper Mountain, Texas	CMTX	33.0105N	100.8418W
Dallas, Texas	DAL	32.8461N	96.7839W
	DGT* Closed		
	DLS Closed	32.8778N	96.7056W
Denton, Texas	DNT Closed	33.2167N	97.1333W
Devine, Texas	DVTX	29.130N	99.470W
Eagle Flat, Texas	EF-TX Closed	31.1764N	105.1300W
Elmo, Texas	EO2TX Closed	32.6481N	96.1586W
El Paso,	EP-TX Closed	31.9328N	105.9667W

Texas	EPT		31.7717N	106.5058W
Flower Mountain, Texas	FMTX		31.7720N	94.8050W
Fort Shafter, Texas	SFTX		29.9255N	104.3696W
Fort Stockton, Texas	FO-TX	Closed	30.9017N	102.6978W
Fuller Ranch, Texas	FRTX		32.9388N	100.8480W
Garland, Texas	GL-TX	Closed	32.9722N	96.6350W
Grand Saline, Texas	GA-TX	Closed	32.6569N	95.7044W
	GA2TX	Closed	32.6581N	95.7036W
Grapevine, Texas	GV-TX	Closed	32.8858N	96.9983W
Grit, Texas	GR1TX	Closed	30.7778N	99.3842W
	GR2TX	Closed	30.7864N	99.4161W
	GA3TX	Closed	32.6597N	95.7036W
Hempstead, Texas	HE-TX	Closed	30.1997N	96.0919W
Houston Electrio Tech, Texas	HET	Closed	29.7200N	95.4699W
Hockley, Texas	HKT		29.9500N	95.8333W
Houston, Texas	HOU		29.7189N	95.4022W
Jordan Ranch, Texas	JRTX		32.9340N	100.9530W
Junction, Texas	JCT		30.4794N	99.8022W
Juno, Texas	JU-TX	Closed	30.1119N	101.0772W

Kermit, Texas	KTT		31.5436N	102.8819W
	KTX		31.5305N	103.2897W
	KTE		31.5278N	103.0975W
	KME		31.5782N	103.1200W
	KKT		31.6227N	103.2888W
	KIE	Closed	31.6068N	103.1957W
	KIT		31.5436N	102.8819W
	KT3	Closed	31.6227N	103.2888W
	KT4	Closed	31.9100N	103.3152W
	KT5	Closed	32.0680N	103.3262W
	KT7	Closed	31.7092N	103.3060W
	KT8	Closed	31.7067N	103.0972W
	KT9	Closed	31.7178N	102.8811W
	KM2	Closed	32.0925N	103.0718W
	KM3	Closed	31.6777N	103.2092W
	KM5	Closed	31.8317N	103.0317W
	KM6	Closed	31.9825N	102.8632W
	KM9	Closed	31.7482N	102.8563W
Lajitas, Texas	LTX		29.3339N	103.6669W
Lajitas Infrasonic Array Beam Ref. Point, Texas	TXIAR			
Lajitas Array Beam Reference, Texas	TXAR		29.3338N	103.6670W
Lajitas Array, Texas	TX00		29.3338N	103.6670W

	TX02		29.3297N	103.6575W
	TX03		29.3310N	103.6740W
	TX04		29.3397N	103.6672W
	TX05		29.3202N	103.6523W
	TX06		29.3187N	103.6815W
	TX07		29.3397N	103.6890W
	TX08		29.3510N	103.6765W
	TX09		29.3343N	103.6598W
	TX10		29.3307N	103.7025W
La Pryor, Texas	LP-TX	Closed	29.1797N	99.6764W
Lubbock, Texas	LUB		33.5833N	101.8667E
Marathon, Texas	MTX		30.3079N	103.2542W
McDonald Observatory, Texas	MOT		30.6797N	104.0082W
New Salem, Texas	NSLM		31.9750N	94.9580W
Post, Texas	PO-TX	Closed	33.4756N	101.3622W
Prospect, Texas	PRST		31.9520N	94.6330W
San Angelo, Texas	SA2TX	Closed	31.5500N	100.9075W
	SA4TX	Closed	31.8247N	101.4264W
Sanderson, Texas	SS-TX	Closed	30.0214N	102.3281W
San Jose, Texas	SJ-TX	Closed	27.6119N	98.3128W
Sierra Blanca Array Site 1,	SB1		31.2100N	105.4378W

Texas					
Site 2,	SB2		31.2117N	105.2900W	
Site 3,	SB3		31.0983N	105.2983W	
Seymour, Texas	SM-TX	Closed	33.6822N	99.1897W	
Shamrock, Texas	SK-TX	Closed	35.0828N	100.3639W	
Streeter, Texas	ST1TX	Closed	30.7522N	99.3556W	
	ST2TX	Closed	30.7922N	99.4478W	
	ST4TX	Closed	31.1633N	100.0611W	
Sweetwater, Texas	SWTX		32.280N	99.470W	
Tres Cuevas, Texas	TTX		29.3164N	103.7181W	
Wills Point, Texas	WP-TX	Closed	32.6069N	95.8861W	
Zavalla, Texas	ZAV	Closed	31.1192N	94.5453W	
<b>Utah</b>	KJU				
	MHW				
	OMU				
	WHJ				
	WJU				
Alta, Utah	AAU	Closed	40.5919N	111.6383W	
Antelope Island, Utah	ANU	Closed	41.0397N	112.2317W	
Antelope Range, Utah	ARUT		37.7880N	113.4404W	
Bailey Peak, Utah	BAP		38.5265N	112.7950W	
Bear Canyon, Utah	BCU	Closed	39.5983N	110.3708W	

Beaver Lake Mountains, Utah	BKU	Closed	38.5352N	113.1268W
Beaver Lake (413), Utah	BVK		37.5463N	116.1052W
Big Dutch Hollow, Utah	BDU	Closed	40.8742N	111.5339W
Bingham Canyon, Utah	BIU		40.5131N	112.1356W
Black Mountain, Utah	BMUT		41.9582N	111.2342W
Blanding, Utah	BX-UT	Closed	37.5633N	109.4347W
Bromley, Utah	BRUT		40.6230N	111.8787W
Bountiful Peak, Utah	BPU	Closed	40.9542N	111.8175W
Camp Tracy, Utah	CTU		40.6925N	111.7503W
Camp Williams, Utah	CWU		40.4459N	112.1022W
Cedar City, Utah	CCU		37.6753N	113.0685W
Cedar Cove, Utah	CVE		38.4642N	112.8517W
Cedar Mountain, Utah	CMU	Closed	39.1713N	110.6193W
Coon Peak, Utah	CPU		40.6731N	112.1903W
Cove Fort, Utah	CFU		38.6189N	112.5386W
Daniels Canyon, Utah	DAU		40.4125N	111.2558W



Deer Creek Reservoir, Utah	DCU		40.4137N	111.5268W
Draper, Utah	DRU			
Dry Willow Peak, Utah	DWU			
Dugway, Utah	DUG		40.1950N	112.8133W
East Promontory, Utah	EPU		41.3915N	112.4088W
East Traverse Mountains, Utah	ETU	Closed	40.4772N	111.8444W
Emma Park, Utah	EMUT		39.8140N	110.8153W
Fillmore, Utah	FM-UT	Closed	39.2183N	112.2069W
	KJU			
	MHU			
	OMU			
	WHJ			
	WJU			
Fish Springs, Utah	FSU		39.7225N	113.3915W
Flaming Gorge, Utah	FGU	Closed	40.9264N	109.3862W
Flat, Utah	FLA	Closed	39.4700N	110.4378W
Ford Ridge, Utah	FDU		39.7568N	110.9900W
Francis Peak, Utah	FPU		41.0264N	111.8364W
Fool Peak, Utah	FLU		39.3782N	112.1705W

Draper, Utah	DRU		
Dry Willow Peak, Utah	DWU	38.1053N	112.9975W
East Promontory, Utah	EPU	41.3915N	112.4088W
Emma Park, Utah	EMUT	39.8140N	110.8153W
Granite Mountain, Utah	GMU	40.5755N	111.7361W
Grizzly Peak, Utah	GZU	41.4255N	111.9750W
Gun Site Peak, Utah	GSUT	Closed	41.9063N 112.1213W
Hailstone, Utah	HLJ	40.6103N	111.3995W
Hansel Valley, Utah	HVU	41.7797N	112.7750W
Hardware Ranch, Utah	HWUT	41.6009N	111.5652W
Honeyville, Utah	HONU	41.6100N	111.9170W
Horse Canyon, Utah	HCU	Closed	39.4883N 110.3450W
Hoyt Peak, Utah	HTU	40.6753N	111.2203W
Hyde Park, Utah	HDU	41.8044N	111.7647W
Iron Mountain, Utah	IMU	38.6331N	113.1584W
Jordanelle, Utah	JLU	40.6018N	110.4492W
Kanab, Utah	KNB	37.0166N	112.8224W

	KN-UT	Closed	37.0228N	112.8275W
Keetly, Utah	KLJ		40.6308N	111.4043W
Kidman Hollow, Utah	KDUT		41.7213N	112.0292W
Lady, Utah	LDJ		40.5813N	111.4078W
Lake Mountain, Utah	LMU	Closed	40.2831N	111.9369W
Leeds, Utah	LEE	Closed	37.2430N	113.3767W
	LDS		37.2425N	113.3514W
Levan, Utah	LEVU		39.5068N	111.8138W
Levan Peak, Utah	LVU		38.4917N	111.8267W
Little Mountain, Utah	LTU		41.5917N	112.2472W
Logan, Utah	LOG	Closed	41.7417N	111.8133W
Lower Browns Hole, Utah	LBUT	Closed	41.3097N	111.7317W
Lucky Star, Utah	LSUT		41.6848N	111.5575W
Lower Mag Wash, Utah	LWA		38.4903N	112.8607W
Lucky Star, Utah	LSUT		41.6848N	111.6333W
Mag Wash, Utah	MWA		38.4982N	112.8468W
Maple Canyon, Utah	MPU		40.0155N	111.6333W
Marysvale, Utah	MSU		38.5133N	112.1742W
	MRUT		38.3017.6N	112.1240.3W
	MVU		38.5037N	112.2113W

Meadow Creek Golf Course, Utah	MGU		40.6815N	111.9182W
Mile High Drive, Utah	MHD		40.6607N	111.8008W
Milford, Utah	MLV			
Milford North, Utah	MNU		38.6197N	112.8472W
Miner's Mountain, Utah	MMU		38.1985N	111.2943W
Monte Christo Peak, Utah	MCU		41.4617N	111.4350W
Montezuma Peak, Utah	MZP		37.7006N	117.3831W
Mount Ogden, Utah	MOU		41.1849N	111.8788W
North Antelope Island, Utah	NAIU		41.0162N	112.2280W
North Lily, Utah	NLU		39.9548N	112.0750W
North Mineral, Utah	NMUT		38.5165N	112.8500W
North Oquirrh Mountains, Utah	NOQ		40.6525N	112.6203W
North Stansbury, Utah	NSU		40.9082N	112.5060W
Ogden Bay, Utah	OGU	Closed	41.2750N	111.9440W
Old Woman Plateau, Utah	OWUT		38.7800N	111.4237W
Opal Mound, Utah	OPL		38.4817N	112.8720W
Paradox Valley,	PV09		38.4987N	109.1335W

Utah

Pasture Canyon, PST Utah	Closed	39.5767N	110.3517W
Perry Basin, PBU Utah	Closed	41.4682N	112.0097W
Piute Reservoir, PUU Utah	Closed	38.3633N	112.2797W
Pole Canyon, PCY Utah		38.3330N	112.9113W
Portage, Utah	PTU	41.9293N	112.3247W
Price, Utah	PCU	39.6067N	110.8050W
Promontory Point, Utah	PPU Closed	41.3106N	112.4303W
Rainbow Monument, Utah	RMU Closed	37.0760N	110.9700W
Red Butte Canyon, Utah	RBU	40.7808N	111.8083W
Red Spur Mountain, Utah	RSUT	41.6385N	111.4150W
Riverside, Utah	RVUT Closed	41.8383N	112.2592W
Roosevelt Hot Springs, Utah	RHU	38.4722N	112.8472W
Ross Creek, Utah	RCJ	40.6583N	111.4385W
Saltair, Utah	SAU Closed	40.8197N	112.0731W
Salt Lake City Univ. of Utah Research Inst., Utah	SLC	40.7638N	111.8478W
San Rafael, Utah	SRU	39.1108N	110.5238W
Santaquin,	SNQU	39.7947N	111.9025W

Utah

Santaquin Canyon, Utah	SUU	Closed	39.8887N	111.7917W
Sheep Canyon, Utah	SCU	Closed	39.4873N	110.2417W
Southern Antelope Island, Utah	SAIU		40.8548N	112.1815W
Island, Utah	AIUT	Closed	40.8558N	112.1755W
Snow College, Utah	SNO		39.3143N	111.5380W
Squaw Peak, Utah	SQU	Closed	40.2817N	111.6106W
Stansbury Island, Utah	SBU	Closed	40.8218N	112.4667W
Stansbury North, Utah	SNU	Closed	40.9238N	112.5100W
Sterling, Utah	SGU		39.1825N	111.6433W
Sunnyside, Utah	SUN	Closed	39.6167N	110.4000W
Sunnyside Mine, Utah	SMU	Closed	39.6000N	110.3817W
Toone Canyon, Utah	TCUT		41.1182N	111.4107W
Uinta Basin Array, Utah	UBO	Closed	40.3217N	109.5687W
Vernal, Utah	VN-UT	Closed	40.5086N	109.5792W
Wah Wah Mountains, Utah	WW-UT	Closed	38.5139N	113.5889W
Wellsville, Utah	WVUT		41.6102N	111.9592W
Western Traverse Mountains, Utah	WTU		40.4548N	111.9530W

West Mountain, Utah	WMU	Closed	40.0883N	111.8225W
West Mountain, Utah	WMUT		40.0767N	111.8333W
Wild Horse, Utah	WHU	Closed	39.3806N	112.1700W
Wild Horse Canyon, Utah	WLD		38.4602N	112.8638W
Wildlife, Utah	WLJ		40.6133N	111.3438W
Willow Creek, Utah	WCU		38.9647N	112.0900W
Baltimore, <b>Vermont</b>	BLVT	Closed	43.3488N	72.5853W
Burlington, Vermont	BUR	Closed	44.4800N	73.1967W
Colchester, Vermont	COV	Closed	44.5777N	73.1458W
Derby, Vermont	DVT	Closed	44.9620N	72.1709W
Fletcher, Vermont	FLE	Closed	44.7277N	72.9517W
	FLET		44.7277N	72.9517W
Hinesburg, Vermont	HBVT		44.3623N	73.0650W
Ira, Vermont	IVT	Closed	43.5221N	73.0533W
Marlboro, Vermont	MARL	Closed	42.7990N	98.8378W
Middlebury, Vermont	MDV		43.9992N	73.1812W
Montgomery, Vermont	MGVT	Closed	44.9135N	72.6277W
Montpelier, Vermont	MPVT	Closed	44.2783N	72.6067W

Northfield, Vermont	NRT	Closed	44.1667N	72.6833W
Waterbury, Vermont	VT1		44.3317N	72.7536W
Big Stone Gap, <b>Virginia</b>	BI-VA	Closed	36.8458N	82.7069W
Blacksburg, Virginia	BLA		37.2113N	81.4210W
	BAV		37.2221N	80.4250W
Blacksburg Borehole, Virginia	BLAB			
Bath County 1, Virginia	BV1		38.1781N	79.6611W
	2, BV2		38.1367N	79.9194W
	3, BV3		38.2383N	79.7667W
	4, BV4		38.3572N	79.8278W
Charlottesville, Virginia	CVL		37.9814N	78.4608W
	CVV		37.9814N	78.4608W
	CTV	Closed	38.0326N	78.5226W
	CLT	Closed	38.0333N	78.5167W
Corbin, Virginia	CBN		38.2050N	37.3733W
	CNV		38.2050N	77.3733W
Clintwood, Virginia	CI-VA	Closed	37.1936N	82.4158W
Cudjo Caverns, Virginia	CCVA		36.6020N	83.6670W
Cumberland Gap, Virginia	CG-VA	Closed	36.6264N	83.2600W
Early Rise 308, Virginia	ER308	Closed	38.8297N	78.4356W
	309, ER309	Closed	38.6222N	78.2317W



	310,ER310	Closed	38.3764N	78.0556W
	311,ER311	Closed	38.1644N	77.8139W
	312,ER312	Closed	37.9578N	77.5933W
	313,ER313	Closed	37.7381N	77.4308W
	314,ER314	Closed	37.5247N	77.1858W
	315,ER315	Closed	37.2964N	76.9653W
	316,ER316	Closed	37.0883N	76.7550W
	317,ER317	Closed	36.8811N	76.5819W
	318,ER318	Closed	36.6356N	76.3594W
	319,ER319	Closed	36.3908N	76.1642W
Farmville, Virginia	FRV		37.2030N	78.3593W
Front Royal, Virginia	FTV		38.8661N	78.1689W
Geological Survey Reston, Virginia	GSR		38.9479N	77.3696W
Goochland, Virginia	GHV		37.7942N	78.1073W
Grundy, Virginia	GD-VA	Closed	37.3928N	81.9778W
Harrisonburg, Virginia	HBV		38.4383N	78.8725W
Keen Mountain, Virginia	KMV		37.2083N	82.0258W
Lexington, Virginia	LEX		37.7894N	79.4417W
Narrows, Virginia	NAV		37.3167N	80.7931W
North Anna,	NV1	Closed	38.0618N	77.7870W

Virginia	NV2	Closed	38.0628N	77.8503W
	NV3	Closed	38.0983N	77.8093W
	NV4	Closed	38.0268N	77.7808W
	NV5	Closed	38.0537N	77.7365W
	NV6	Closed	38.0913N	77.7782W
	NV7	Closed	38.0227N	77.8570W
	NA11	Closed	37.9831W	77.6830W
	NA12		37.9882N	77.8770W
	NA2	Closed	38.1279N	77.7401W
	NA5		38.0108N	77.7365W
Petersburg, Virginia	PBV		36.9823N	77.5312W
Point Lookout, Virginia	PLVA		36.6673N	81.1582W
Potts Mountain, Virginia	VWV		37.4660N	80.3917W
Prospectdale, Virginia	ELN		37.2283N	80.7517W
Pulaski, Virginia	PUV		37.0257N	80.8158W
Schuyler, Virginia	SU-VA	Closed	37.7597N	78.7267W
Virginia Beach, Virginia	VBV		36.7583N	76.1080W
Walker Mountain, Virginia	WMV		37.1085N	80.9705W
Anegada, <b>Virgin Islands</b>	ABV	Closed	18.7320N	64.3370W
Cottongarden	CGPV	Closed	17.7635N	64.5842W

Point Virgin, Virgin Islands					
St. Croix, Virgin Islands	SCV	Closed	17.7817N	64.7890W	
St. John, Virgin Islands	SJV	Closed	18.3450N	64.7620W	
Saint Thomas, Virgin Islands	VST	Closed	18.3450N	64.9570W	
	STVI				
Virgin Gorda, Virgin Islands	GPV		18.4918N	64.4035W	
<b>Wake Island</b>	WKE	Closed	19.3150N	166.6267W	
	WAKE		19.2833N	166.6536W	
Alpha Peak, <b>Washington</b>	APW		46.6517N	122.6475W	
Alter Ridge, Washington	ALD		45.8194N	120.0667W	
Augspurgen Mountain, Washington	APM		45.7361N	121.6806W	
Badger Mountain, Washington	BDG		46.2347N	119.3175W	
Bald Hill, Washington	BLH		47.8368N	122.0322W	
Baw Faw Mt., Washington	BFW		46.4867N	123.2148W	
Bellingham, Washington	BLL		48.7389N	122.4847W	
Benson Hill Elementary School, Washington	RBEN		47.4348N	122.1862W	
Benson Ranch, Washington	BENWA		46.5200N	119.7217W	

Beverly, Washington	BVW	46.8105N	119.8817W
Black Rock Valley, Washington	BRVW	46.4853N	119.9915W
Blewett, Washington	BW-WA Closed	47.3803N	120.6533W
Blyn Mountain, Washington	BLN	48.0074N	122.9718W
Boistfort Mountain, Washington	BMW	46.4750N	123.2281W
Brookside Elementary School, Washington	BRKS	47.7555N	122.2884W
Camp Murray, Washington	MURR	47.1200N	122.5000W
Capitol Peak, Washington	CPW	46.9738N	123.1363W
Cascade Tunnel, Washington	CC-WA Closed	47.7692N	121.0836W
Cedar Flats, Washington	CDFW	46.1162N	122.0475W
Cheeka Peak, Washington	OCP	49.298N	124.625W
Chelan Butte, Washington	CBW	47.8071N	120.0327W
Chelan Butte South, Virginia	CBSW	47.8046N	120.0410W
Colville, Washington	CLW	48.5933N	117.8820W
Concrete, Washington	CE-WA Closed	48.5225N	121.6872W

Connel, Washington	CNL	46.6530N	118.9170W
Corfu, Washington	CRF	46.8252N	119.3877W
Cowlitz River, Washington	CWZ	46.4910N	122.0121W
Crazy Man Mt., Washington	CZM	46.4353N	122.5058W
Crystal Springs Elementary School, Washington	CSEN	47.8000N	122.2100W
Cultus Mts., Washington	CMW	48.4237N	122.1190W
Davenport, Washington	DPW	47.8706N	118.2028W
	DVW	47.6383N	118.2260W
Dyer Hill, Washington	DHW	47.9605N	119.7693W
2,	DHW2	47.9853N	119.7703W
East Dome, Washington	ESD	46.1973N	122.1500W
East Ridge Elementary School, Washington	EARN	47.7400N	122.0400W
Elk Rock, Washington	ERK	46.3056N	122.3058W
Ellensburg, Washington	EL-WA Closed	46.9242N	120.7300W
	EBG	46.9097N	120.5683W
Ektopia, Washington	ET2	46.5350N	118.9503W
	ET3	46.5769N	118.9364W
	ETP	46.4648N	119.0590W

Entiat, Washington	ETW	47.6045N	120.3310W
Ephrata, Washington	EPH	47.3536N	119.5962W
	EPW	47.3522N	119.5962W
Eureka, Washington	EVW	46.3958N	118.5621W
Fairmont, Washington	FTW	47.8767N	122.2014W
Fields Point, Washington	FPW	47.9667N	120.2129W
Flat Top 2, Washington	FL2	46.1964N	122.3503W
Gable Mountain, Washington	GBL	46.5977N	119.4598W
Garrison Hill, Washington	GHW	47.0417N	122.2725W
Glacier Lake, Washington	GLK	46.5639N	121.6085W
Glacier Peak, Washington	GC-WA Closed	48.1622N	121.2822W
Gold Mountain, Washington	GMW	47.5479N	122.7863W
Grand Coulee, Washington	GCW	47.9414N	118.9800W
Grass Mountain, Washington	GSM	47.2032N	121.7945W
Green Mountain, Washington	GNW	47.564N	123.243W
Guler Mountain, Washington	GULW	45.9242N	121.5956W
Hanford, Washington	HAN	46.6033N	119.4667W
	HAWA	46.3925N	119.5326W

Hanford Gable Butte, Washington	HGB	46.5977N	119.4617W
Haystack Lookout, Washington	HTW	47.8035N	121.7691W
Hazelwood Elementary School, Washington	RHAZ	47.5405N	122.1857W
Holy Rosary School, Washington	HOLY	47.5654N	122.3839W
Hoodsport, Washington	HDW	47.6485N	123.0542W
Horse Heaven Hills, Washington	HHH	46.1717N	119.3836W
Hot Spot, Washington	HSW Closed	46.5295N	119.5545W
Jim Creek, Washington	JCW	48.1935N	121.9295W
June Lake, Washington	JLK	46.1467N	122.1530W
Kennewick, Washington	KE-WAC Closed	46.1400N	119.2775W
Kimball Elementary School, Washington	KIMB	47.5753N	122.3016W
Kitsap Moderate Risk Waste Facility, Washington	KIMR	47.5031N	122.7672W
Kitsap North Road Shed, Washington	KINR	47.7517N	122.6431W

Kitsap Wash Water Treatment Plant, Washington	KITP	47.6750N	122.6297W
Kosmos, Washington	KOSW	46.4613N	122.1905W
Ladd Mountain, Washington	LMW	46.6680N	122.2913W
Lakeview Peak, Washington	LVP	46.0683N	122.4083W
Lake Wenatchee, Washington	LW-WA Closed	47.8456N	120.9017W
Landslide, Washington	LSW Closed	46.4813N	119.2453W
Lawton Elementary School, Washington	LAWT	47.6565N	122.3894W
Leota Junior High School, Washington	LEOT	46.7679N	122.1151W
Longmire, Washington	LON	46.7500N	121.8100W
Lynden, Washington	LY-WA Closed	48.6475N	122.2028W
Lyman, Washington	LYW	48.5353N	122.1017W
Mayfield, Washington	MAY Closed	46.0833N	122.0833W
McNeill Island, Washington	MEW	47.2019N	122.6458W
Midway, Washington	MDW	46.6133N	119.7608W
Monroe Substation, Washington	MBPA	47.8985N	121.8889W



Mount Adams- Stagman Ridge, Washington	ASR	46.1507N	121.5927W
Mount Baker, Washington	MU-WA Closed	48.9167N	121.9103W
	MBW	48.7840N	121.8997W
Mount Constitution, Washington	MCW	48.6797N	122.8323W
Mount Erie, Washington	ERW	48.4540N	122.6251W
Mount Fremont, Washington	FMW	46.9317N	121.6720W
Mount Mitchell, Washington	MTMW	46.0255N	122.2117W
Mount Ranier Camp Schurman, Washington	RCS	46.8710N	121.7311W
Mount Ranier Emerald Ridge, Washington	REMR	46.8192N	121.8409E
Mount Ranier Summit, Washington	RSV	46.8533N	121.7631W
Mount Ranier Voight Creek, Washington	RVC	46.9429N	121.9715W
Mount Saint Helens, Washington	SHW	46.1925N	122.2367W
Moxie City, Washington	MXC	46.5772N	120.2931W
Natches, Washington	NAC	46.7344N	120.8259W
Nelson Butte, Washington	NLW	48.0783N	120.3382E

New Goldendale, GL2 Washington		45.9597N	120.8229W
Newport, Washington	NEW	48.2633N	117.1200W
Oak Harbor, Washington	OHW	48.3233N	122.5318W
Octopus Mountain, Washington	OCWA	47.7489N	124.1781W
Octopus West, Washington	OOW	47.7367N	124.1894W
Odessa, Washington	ODS	47.3067N	118.7450W
Odessa Site #2, Washington	OD2	47.3910N	118.7107W
Olympics-North River, Washington	ONR	46.8771N	123.7713W
Olympia, Washington	OLW	47.0728N	122.9225W
Olympics-- Bonidu Creek, Washington	OBC	48.0353N	124.0775W
Olympics-Burnt Hill, Washington	OBH	47.3262N	123.8658W
Olympics-Forks, Washington	OFK	47.9500N	124.3578W
Olympics--Lake Quinault, Washington	OLQ	47.6661N	123.8088W
Olympics-- North River, Washington	ONR	46.8771N	123.7712W
Olympics-- Salmon Ridge,	OSR	47.5056N	123.9617W

Washington

Olympics--Snow Dome, Washington	OSD	47.8208N	123.7017W
Olympics-Sooes Peak, Washington	OSP	48.2849N	124.5898W
Olympics--Tye Ridge, Washington	OTR	48.0833N	124.3442W
Omak, Washington	OMW	48.4803N	119.5608W
Othello, Washington	OTH	46.7390N	119.2165W
	OT2	46.7214N	119.2347W
Patterson, Washington	PATW	45.8806N	119.7611W
Pierce County East Precinct, Washington	PCEP	47.1119N	122.2901W
Pierce County Firing Range, Washington	PCFR	46.9898N	122.4409W
Pierce County Mountain Detachment, Washington	PCMD	46.8891N	122.3002W
Pine Lake Middle School, Washington	PNLK	47.5806N	122.0284W
Pomeroy, Washington	PH-WA Closed	46.3236N	117.3281E
Port Gamble, Washington	PGW	47.8219N	122.5994W
Prosser, Washington	PRW	46.2127N	119.6858W
Queen Anne, Washington	QAW	47.6317N	122.3543W

Ranney Well, Washington	RWW		46.964N	123.543W
Rattlesnake Hills, Washington	RSW		46.3912N	119.5887W
Rattlesnake Mountain, Washington	RMW		47.4597N	121.8053W
Raver, Washington	RAW		47.3372N	121.9314W
Rembrandt, Washington	REMW		46.1992N	122.1842W
Richland, Washington	RCW		46.3472N	119.2744W
Rockport, Washington	RPW		48.4483N	121.5136W
Rockwell Inc. Station, Washington	LOCW		46.7180N	110.4318W
Roosevelt, Washington	RPK		45.7617N	120.2306W
Rose Valley, Washington	RVW		46.1495N	122.7437W
Royal City, Washington	RC1		46.9433N	119.4333W
Saddle Mountain, Washington	SDL		46.7954N	119.4913W
Saint Andrews, Washington	SAW		47.7017N	119.4010W
Seattle, Washington	SEA		47.6550N	122.3083W
Seattle-- Marshall, Washington	STT	Closed	47.4228N	122.3137W

Seward Park, Washington	SPW		47.5537N	122.2459W
Silver Beach Elementary School, Washington	SBES		48.8683N	122.4150W
Sherman Crater --Mount Baker, Washington	SCW	Closed	48.7675N	121.8167W
Smyrna, Washington	SYR		46.8630N	119.6178W
Source of Smith Creek, Washington	SOSW		46.2367N	122.1367W
South Mountain, Washington	SMW		47.3195N	123.3417W
South Ridge, Washington	HSR		46.1728N	122.1828W
Spokane, Washington	SPO	Closed	47.7300N	117.3422W
Striped Peak, Washington	STW		48.1502N	123.6700W
Studebaker Ridge, Washington	STD		46.2378N	122.2227W
Table Mountain, Washington	TBM		47.1695N	120.5983W
Teanaway, Washington	TWW		47.1381N	120.8679W
Tonasket, Washington	TK-WA	Closed	48.7939N	119.5878W
Tradedollar Lake, Washington	TDL		46.3508N	122.2158W
Tumwater, Washington	TUM		47.0150N	122.9083W

University of Puget Sound, Washington	UPS	47.2639N	122.4836W
Vantage, Washington	VTG	46.9580N	119.9873W
Wahluke, Washington	WAH	46.7520N	119.5780W
Wahluke Slope, Washington	WAH2	46.7567N	119.5626W
Wallila Gap, Washington	WGW	46.0447N	118.9327W
Wallula Gap, Washington	WG2	46.0306W	118.8556W
Wallula Gap, Washington	WG3	46.0286N	118.8567W
Warden, Washington	WRD	46.9698N	119.1433W
Waterville, Washington	WTV	47.6986	119.9542W
Wenas, Washington	WNS	42.7103N	120.5750W
Wenatchee. Washington	WNW	47.5295N	120.1942W
Wenatchee, Washington	WEN	47.5295N	120.1942W
Wenatchee Ridge, Washington	WRW	47.8572N	120.8811W
White Bluff, Washington	WBL	46.5983N	119.4592W
White Pass, Washington	WPW	46.6982N	121.5467W
Wilburton Insstructional Service Ctr,	WISC	47.6089N	122.1744W

Washington				
Wilson Butte, Washington	WBW		48.0178N	119.1372W
Wooded Island, Washington	WIW		46.4322N	119.2882W
Yakima, Washington	YA-WA	Closed	46.5000N	119.9200W
Yakima, Washington	YAKW		46.5211N	120.5292W
Yellow Rock, Washington	YEL		46.2097N	122.1878W
Amboy, <b>West Virginia</b>	AB-WV	Closed	39.3306N	79.5669W
Beckley, West Virginia	BL-WV	Closed	37.7989N	81.3100W
Buckhannon, West Virginia	BZ-WV	Closed	38.7983N	80.3494W
Craigsville, West Virginia	CX-WV	Closed	38.3231N	80.6403W
Early Rise 306, West Virginia	ER306	Closed	39.2528N	78.9119W
Early Rise 307, West Virginia	ER307	Closed	39.0336N	78.6531W
Forest Hill, West Virginia	FWV		37.5817N	80.8117W
Franklin, West Virginia	FN-WV	Closed	38.5494N	79.5131W
Green Bank, West Virginia	GBV		38.4300N	79.8438W
Hinton, West Virginia	HWV	Closed	37.5906N	80.8408W
Mont Chateau, West Virginia	MCWV		39.6581N	79.8456W

Morgantown, West Virginia	MRG		39.6331N	79.9544W
Phillipi, West Virginia	PX-WV	Closed	39.0761N	79.9111W
Pineville, West Virginia	PE-WV	Closed	37.6147N	81.6643W
Princeton, West Virginia	PWV		37.3360N	81.0478W
Rainelle, West Virginia	RN-WV	Closed	38.0764N	80.8483W
Argonne, <b>Wisconsin</b>	AO-WS	Closed	45.6067N	88.9503W
Aurora, Wisconsin	AR-WS	Closed	45.6967N	88.1422W
Baldwin, Wisconsin	BA-WS	Closed	43.8994N	92.2722W
Colfax, Wisconsin	CF-WS	Closed	45.0942N	91.7664W
Cornell, Wisconsin	CN-WS	Closed	45.1928N	91.1281W
Jewell Farm, Wisconsin	JFWS		42.9142N	90.2481W
Madison, Wisconsin	MDS	Closed	43.3722N	89.7600W
Madison River, Wisconsin	YMR		44.6687N	110.9650W
Medford, Wisconsin	MF-WS	Closed	45.3475N	90.5897W
Milwaukee, Wisconsin	MLW		43.0333N	87.9167W
Niagara, Wisconsin	NG-WS	Closed	45.7575N	88.1492W
Rib Lake, Wisconsin	RL-WS	Closed	45.3081N	90.0986W



Rice Lake, Wisconsin	RLW		45.6597N	91.5594W
Tomahawk, Wisconsin	TM-WS	Closed	45.4919N	89.5031E
University of Wisconsin at Milwaukee, Wisconsin	UWM	Closed	43.0795N	87.8784W
Alpine, <b>Wyoming</b>	ALPW		43.1506N	110.9978W
Angle Mountain, Wyoming	ANGW		43.8318N	110.1902W
Apres Vous Peak, Wyoming	AVOW		43.6111N	110.8140W
Beaver Mountain, Wyoming	BEAW		43.2509N	110.6134W
Bechler, Wyoming	YPBE		44.1495N	111.0390W
Boulder, Wyoming	BDW	Closed	42.7762N	109.5683W
Boulder Array Site 6, Wyoming	BW06		42.7667N	109.5583W
Bridge Bay, Wyoming	YPBR		44.5367N	110.4395W
Canyon Junction, Wyoming	CJW	Closed	44.7350N	110.4900W
Cheyenne, Wyoming	CY-WY	Closed	41.4167N	104.8600W
Colter Canyon, Wyoming	COLW		43.9539N	110.6930W
Grand Targhee Resort, Wyoming	TARW		43.7638N	110.9908W

Grant Village, Wyoming	YPGV		44.3808N	110.5453W
Hawk Springs, Wyoming	HK-WY	Closed	41.6958N	104.3569W
Haystack Fork, Wyoming	HAYW		43.6396N	110.3325W
Hot Springs Basin, Wyoming	YPHS		44.7556N	110.3540W
Indian Meadow, Wyoming	IMW		43.8970N	110.9392W
Jackson Lake Dam, Wyoming	JLDW		43.8562N	110.5873W
Lake Butte, Wyoming	YPLB		44.5513N	110.2720W
Lake Yellowstone, Wyoming	LKWY		44.5652N	110.4000W
Laramie, Wyoming	LAR	Closed	41.3144N	121.5831W
LASA subarray A0, Wyoming	A0MA		46.4119N	106.1320W
Long Hollow, Wyoming	LOHW		43.6124W	110.6037W
Madison Junction, Wyoming	MJW	Closed	44.6483N	110.8587W
Mammoth Hot Springs, Wyoming	MHS	Closed	4.9770N	110.6583W
Maple Creek, Wyoming	YMC		44.7593N	111.0062W
Moose Ponds, Wyoming	MOOW		42.7486N	110.7448W
Mud Volcano,	MVW		44.6225N	110.4417W

Wyoming

Natural Bridge, Wyoming	YNB	44.5245N	110.4593W
Norris Junction, Wyoming	NJW	44.7303N	110.6930W
Old Faithful, Wyoming	YPOF	44.6058N	111.1008W
Pacific Creek, Wyoming	PACW	43.9023N	110.4853W
Pelican Cone, Wyoming	YPPC	44.6473N	110.1930W
Pinedale Infrasonic Array Beam Ref. Point, Wyoming	PDIAR	42.7663N	102.5939W
Pinedale Array Beam Reference Point, (Pinedale), Wyoming	PDAR	42.7667N	109.5579W
	PD01	42.7765N	109.5832W
	PD02	42.7782N	109.5664W
	PD03	42.7759N	109.5496W
	PD04	42.7660N	109.5744W
	PD05	42.7704N	109.5666W
	PD06		
	PD07	42.7704N	109.5445W
	PD08	42.7589N	109.5836W
	PD09	42.7618N	109.5672W
	PD10	42.7595N	109.5570W

	PD11		42.7256N	109.5769W
	PD12		42.7551N	109.5631W
	PD13		42.7551N	109.5497W
Pinedale, Wyoming	PI-WY Closed		42.4528N	109.5486W
	PI1 Closed		42.5953N	109.5453W
	PI2 Closed		42.7750N	109.7400W
	PI2WY Closed		42.7672N	109.5619W
	PI3 Closed		42.4417N	109.5792W
	PI4 Closed		42.6283N	109.8933W
	PI5 Closed		42.5671N	109.9117W
	PI6 Closed		42.7262N	109.6055W
	PI7 Closed		42.4397N	109.5725W
	PIN Closed		42.5825N	109.7167W
Pole Mountain, Wyoming	PM-WY Closed		41.2075N	105.3608W
	PMW Closed		41.2100N	105.3347W
Rammel Mountain, Wyoming	RAMW		43.8890N	110.9502W
Red Top Meadow, Wyoming	REDW		43.3624N	110.8518W
Snow King Mountain, Wyoming	SNOW		43.4625N	110.7552W
Soda Butte, Wyoming	YPSB		44.8840N	110.1510W
Star Valley, Wyoming	STI		42.8022N	111.0508W
Steamboat Mountain, Wyoming	STEW		44.0497N	110.6817W

Teton Pass, Wyoming	TPAW	43.4901N	110.9506W
Thermoplis, Wyoming	TL-WY Closed	43.3917N	108.0881W
Trail Creek, Wyoming	YTC	44.2965N	110.2320W
Triangle X Ranch, Wyoming	TRXW	43.7792N	110.5601W
West Thumb, Wyoming	WTW	44.4145N	110.5712W
West Yellow- stone, Wyoming	YPWB	44.6058N	111.1008W
Wyoming Array, Wyoming	WYO Closed	42.7778N	109.5556W
Yellowstone Lake, Wyoming	LKWY	44.5652N	110.4000W

## Uganda

Entebbe, Uganda	ENT	0.0589N	32.4733E
Hoima, Uganda	HOI	1.4180N	31.3420E
Kilembe, Uganda	KIL	0.2000N	30.0080E
Mbarara, Uganda	MBAR	0.2100S	30.2624E

## Uzbekistan

Agalyk, Uzbekistan	AGL	39.5200N	66.8700E
Andijon, Uzbekistan	ANR	40.7550N	72.3600E

Angren, Uzbekistan	ANE		41.0100N	70.2600E
Chet-Su, Uzbekistan	CHE		41.0600N	70.2400E
Chimgan, Uzbekistan	CIMS		41.5667N	70.0167E
Dzambul, Uzbekistan	DZA		42.1000N	71.4000E
Dzangeldy, Uzbekistan	DZN		40.8500N	65.3400E
Dzizak, Uzbekistan	DZI		40.1200N	67.8200E
Fergana, Uzbekistan	FRG		40.3833N	71.7833E
Khumson, Uzbekistan	KHUM		41.6800N	69.9500E
Kulkuduk, Uzbekistan	KLKU		42.5400N	63.3000E
Kumaryk, Uzbekistan	KUMR		41.2000n	69.3000E
Kyzyldzhar, Uzbekistan	KYZD		41.5500N	70.0100E
Lumacharskoye, Uzbekistan	LNC	Closed	41.3333N	69.3500E
Muskinabad, Uzbekistan	MUS	Closed	38.6833N	69.6000E
Namangan, Uzbekistan	NAM		40.9833N	71.6667E
Nukus, Uzbekistan	NUKS		42.3500N	59.7700E
Nurota, Uzbekistan	NUT		40.5500N	65.6833E
Samarqand, Uzbekistan	SAM		39.6733N	66.9900E

Shing, Uzbekistan	SN1	39.3000N	67.8000E
Tamdybulak, Uzbekistan	TMD	41.7500N	64.6400E
Termez, Uzbekistan	TERS	37.2000N	67.3000E
Toshkent, Uzbekistan	TAS	41.3250N	69.2950E
Verkh-Baza, Uzbekistan	VEH		
Yangiyul, Uzbekistan	YNGY	41.1100N	69.0400E

## Vanuatu

Butte a Klehm, Vanuatu	BKM	17.6683S	168.2433E
Devils Point, Vanuatu	DVP	17.7253S	168.1870E
Emae, Vanuatu	EME	17.0908S	168.3512E
Epi, Vanuatu	EPI	16.6950S	168.1162E
Isangel, Vanuatu	INH	19.5472S	169.2731E
Lamap, Vanuatu	LMP	16.4256S	118.8003W
Lonorore, Vanuatu	LNR	15.8519S	168.1600E
Luganville, Vanuatu	LUG	15.5178S	167.1300E
Mont Bernier, Vanuatu	MBV	17.6587N	168.3105E
Port Vila, Vanuatu	PVC	17.7400S	168.3119E

Rentapao, Vanuatu	RTV		17.7925S	168.4247E
Southwest Bay, Vanuatu	SWB		16.5087S	167.4203E
Vanua-Lava, Vanuatu	VLN		13.8867S	167.5417E

## Venezuela

Aileron, Venezuela	AIL		14.8010S	61.1080W
Alturitas, Venezuela	ALTV		9.7516N	72.4178W
Angostura, Venezuela	ANGV	Closed	9.7050N	69.5217W
Bailadores, Venezuela	BLV	Closed	8.1908N	71.8256W
Barcelona, Venezuela	BARV		9.9840N	70.7460W
Bautismo, Venezuela	BAUT	Closed	10.5065N	66.4820W
Betijoque, Venezuela	BETV		9.3790N	70.6730W
Caballo Blanco, Venezuela	CABA		7.8558N	71.5022W
Caiguire, Venezuela	CAIV		10.4695N	64.1731W
	CAR		10.5067N	66.9276W
Caracas, Venezuela	INTV			
Carupano, Venezuela	CRUV		10.6748N	63.2363W
Cerro Antonio, Venezuela	CANV		11.0390N	68.8280W
Cerro El Oso, Venezuela	CEOS		9.0299N	68.3434W



Venezuela			
Cerro Diablo, Venezuela	CEDI	7.6540N	71.8850W
Cerron, Venezuela	CERV	10.3110N	70.6740W
Cerro Morro, Venezuela	ELMO	8.0130N	71.7169W
Cerro Negro, Venezuela	CENE	7.7640N	71.3228W
Cerro Toribio, Venezuela	GTV	7.6083N	63.1017W
Cumana, Venezuela	CUM	10.4650N	64.1694W
El Hato, Venezuela	EHV	8.8064N	70.8647W
El Llanito, Venezuela	LLAV	10.4750N	66.8080W
El Manteco, Venezuela	GMV	7.3577N	62.5404W
El Prado, Venezuela	PRAV	9.2330N	70.8510W
El Tigre, Venezuela	TGRV	8.8340N	64.1683W
El Tocuyo, Venezuela	TOV	9.7925N	69.7926W
El Vigia, Venezuela	VIGV	8.5686N	71.7595W
El Volcan, Venezuela	VOLV	10.4200N	66.8498W
Fila de Piedra, Venezuela	FIPE	7.9697N	71.2511W
Fila Paraiso, Venezuela	ELPA	7.7917N	71.7253W

Fila de Sacuragua, Venezuela	FISA	11.2648N	69.3333W
Guacamaya, Venezuela	GUAC	10.1920N	67.2711W
Guri, Venezuela	GUV	7.8086N	63.0974W
Guri Network, Venezuela	GUV1	7.9477N	62.8554W
	GUV2	7.816N	62.8176W
	GUV3	7.6009N	62.7614W
	GUV4	7.6083N	63.1017W
	GUV5	7.8944N	63.2120W
Isla Aves, Venezuela	IAV	15.7000N	63.6000W
La Cuchilla, Venezuela	LACU	7.8767N	71.3906W
La Danta, Venezuela	LADA	7.9390N	71.6130W
La Tortuga, Venezuela	TORT Closed	10.9084N	65.3139W
Laguneta, Venezuela	LAGU	9.7700N	69.7650W
Lagunillas, Venezuela	LAGV Closed	10.2240N	71.1590W
	LGN	10.1453N	71.2703W
La Tortuga, Venezuela	TORT	10.9084N	65.3139W
Las Ollas, Venezuela	OLLA	10.0190N	66.8040W
Los Roques, Venezuela	LORO	11.9578N	66.6742W
Loma de el Viento,	LEV	7.7661N	63.0607W

Venezuela				
Macagua, Venezuela	GMC	Closed	8.3000N	62.6833W
Maracaibo, Venezuela	MRV			
Maracay, Venezuela	MARA		10.3239N	67.6069W
Manamana, Venezuela	MANV		9.7992N	70.7962W
Merida Network, Venezuela	UAV1			
	UAV2			
Misoa, Venezuela	MISV		9.9730N	70.9260W
Mollejon, Venezuela	MOLL		7.7350N	71.6290W
Morrocoy, Venezuela	MORO		10.8722N	68.3160W
Palmichal, Venezuela	PSLM	Closed	10.2046N	64.4388W
Palma Real, Venezuela	PALR		11.0000N	63.9110W
Pico Espejo, Venezuela	PMV		8.5333N	71.0500W
Pigeon Point, Venezuela	PIG		11.1610N	60.8410W
Platillon, Venezuela	PLAV		9.8740N	67.5024W
Pointe-a- Pierre, Venezuela	TPP		10.3170N	61.4510W
Puerto la Cruz, Venezuela	PCRV		10.1762N	64.6361W
Sajaritas, Venezuela	SAJV		10.3650N	71.3510W

## Venezuela

San Cristobal, Venezuela	SCRV	7.7889N	72.1917W
Santa Isabel, Venezuela	ISAV	9.5068N	70.8563W
Santo Domingo, Venezuela	SDV	8.8861N	70.6333W
Sipayare, Venezuela	SIPV	10.1830N	70.9320W
Siria, Venezuela	SIR	10.5083N	66.5083W
San Lorenzo, Venezuela	LORV	9.2330N	70.8510W
Tres Palos, Venezuela	PALV	10.4490N	71.6300W
Universidad de los Andes,	UAV	8.6100N	71.1447W
Vallede Guanape, Venezuela	GUAN	9.9575N	65.6478W

## Viet Nam

Bac-Giang, Viet Nam	BGV	21.2941N	106.2286E
Dien Bien Phu, Viet Nam	DBV	21.3900N	103.0250E
Da Lat, Viet Nam	DLV	11.9433N	108.4867E
Hanoi, Viet Nam	HNV	21.0481N	105.7972E
Hoa-Binh, Viet Nam	HBVN	20.8259N	105.3519E
Lai Chau, Viet Nam	LUV	22.0519N	103.1594E

Nha Trang, Viet Nam	NHA		12.2100N	109.2117E
Phu Lien, Viet Nam	PLV		20.8060N	106.6290E
Sa-Pa, Viet Nam	SPV	Closed	22.3360N	103.8311E
Tuyen Quang, Viet Nam	TQV		21.8283N	105.2083E
Vinh, Viet Nam	VIV		18.5475N	105.7000E

## Yemen

Aden, Yemen	ADEN		12.7833N	45.0000E
Al Bayda, Yemen	BDHA		13.9745N	45.5667E
Ataq, Yemen	ATAQ		14.5333N	46.8083E
Dhamar, Yemen	DHMR		14.5642N	44.3873E
Hajjah, Yemen	HAJJ		15.7075N	43.6167E
Harad, Yemen	HRAD		16.4167N	43.0500E
Manakhah, Yemen	MNKH		15.0652N	43.7500E
Ma'rib, Yemen	MARB		15.4167N	45.3333E
Al Mukalla, Yemen	MUKL		14.5333N	49.1500E
Al Mukha, Yemen	MUKH		13.3150N	43.2653E
Sadah, Yemen	SADA		16.9373N	43.7555E
Sana, Yemen	SANA		15.4000N	44.2333E
Say'un, Yemen	SYON		15.9417N	48.7833
Ta'izz, Yemen	TAIZ		13.5680N	44.0470E

At Turbah, Yemen	TRBA		13.2167N	44.1333E
Al 'Udayn, Yemen	UDYN		13.9667N	43.9917E
Zabid, Yemen	ZBID		14.1958N	43.3167E

## Zambia

Choma, Zambia	CHMZ		16.8333S	27.0663E
Isoka, Zambia	IKZ		10.1712S	32.6460E
Itezhi-Tezhi, Zambia	ITZ		15.7697S	26.0361E
Kabwe, Zambia	BHA		14.4467N	28.4683E
Kasama, Zambia	KSZ			
Kasempa, Zambia	KMZ	Reserved	13.4555S	25.8337E
Lusaka, Zambia	LUS	Closed	15.2766S	28.1882E
	LSZ			
	LUS		15.3837N	28.3312E
Mansa, Zambia	MZZ		11.1422S	28.8760E
Petauke, Zambia	PTZ		15.2490S	31.3390E
Solwezi, Zambia	SLZ	Reserved		

## Zimbabwe

Zimbabwe	BWR			
Bulawayo, Zimbabwe	BUL		20.1433S	28.1633E
Chiredzi, Zimbabwe	CIR		21.0133S	31.5800E

Hwange, Zimbabwe	HWZ		18.3202S	26.5034E
Kariba, Zimbabwe	KRB		16.5267N	28.7950E
Karoi, Zimbabwe	KRI		16.8293N	29.6147E
	KRR	Closed	16.8517S	29.6183E
Matopo, Zimbabwe	MATP	Reserved	20.4266N	28.4989E
Mount Darwin, Zimbabwe	MTD		16.7800S	31.5833E
Mutare, Zimbabwe	MUZ		18.9950S	32.6267E