GMAG Station List
THEMIS, U Alaska, U Alberta,
Greenland

Station Code	THEMIS GBO GMAG Site	THEMIS EPO GMAG Site	U of AK GMAG Site	U of Alberta GMAG Site	AUTUMN (Athabasca) GMAG Site	Danish (DTU) GMAG Site	Tromso (TGO) GMAG Site	CGSM GMAG Site	MACCS GMAG Site	STEP	McMAC GMAG Site	NRCan Site	USGS GMAG Site	ASI Site	Geog Lat (deg)	Geog Long (deg)	Name	Geom Lat* (deg)	Geom Long (deg)	Midnight (hh:mm)	Conjugate Lat (deg)	Conjugate Long (deg)	Elevation (m)	Declination (deg)^	Special Notes
ABK															68.400	18.800	Abisko, Sweden	65.49	101.09	21:33	-60.64	61.03	380.00	6.10	(Geological Survey of Sweden)
AMD															69.604	60.208	Amderma, Russia	65.67	136.68	19:20	-54.31	85.56	10.00	25.85	Declination angle from station provider, based on IGRF12
AMER											Y				38.500	263.700	Americus, KS	48.79	331.29	6:37	-57.43	241.39	450.80	4.97	
AMK						Y									65.600	322.370	Tasiilaq, Greenland	68.75	52.69	1:25	-76.94	26.87	100.00	-25.25	Declination angle from station provider
AND							Y								69.295	16.038	Andenes, Norway	66.60	99.44	21:39	-62.00	61.91	10.00	5.49	Declination angle from station provider
ARCT			Y		No longer										68.133	214.433	Arctic Village, AK	68.77	265.09	11:05	-60.57	166.45		30.00	Declination angle from station provider
ATHA	Y				Y									Y	54.714	246.686	Athabasca, AB	61.88	307.21	8:06	-63.31	204.91	676.00	16.83	
ATU						Y									67.930	306.430	Attu, Greenland	73.81	37.03	2:38	-84.74	42.21		-32.91	Declination angle from station provider (Currently only uncalibrated data)
BENN											Y				41.360	262.840	Bennington, NE	51.69	331.29	6:37	-60.16	239.07	404.50	4.78	
BETT			Y												66.901	208.446	Bettles, AK	66.49	261.04	11:25	-58.11	165.88		25.00	Declination angle from station provider
BFE						Y									55.625	11.672	Brorfelde, Denmark	52.09	88.94	22:22	-47.72	33.69	80.00	2.19	Declination angle from station provider
BJN							Y								74.504	19.001	Bjørnøya, Norway	71.68	106.78	21:09	-64.90	75.04	30.00	8.98	Declination angle from station provider
BLC												Y			64.318	263.988	Baker Lake, NU, Canada	73.28	329.69	6:47	-76.72	197.27	184.70	-2.58	
BMLS		Y													46.480	275.310	Bay Mills, MI	56.79	348.64	5:40	-69.01	255.86	155.49	-7.05	
BOU													Y		40.140	254.763	Boulder, CO	48.77	320.92	7:19	-54.82	230.32	1682.00	-2.28	
BRW													Y		71.320	203.380	Point Barrow, AK	70.29	253.45	12:04	-60.14	157.81	12.00	20.10	
BSL													Y		30.350	270.364	NASA Stennis Space Center,	40.89	341.67	6:03	-52.04	230.32	8.00	0.41	
CBB												Y			69.123	254.969	Cambridge Bay, NU	76.78	312.10	7:47	-74.52	176.79	12.00	9.48	
CCNV		Y													39.190	240.220	Carson City, NV	45.01	303.80	8:26	-47.57	216.68	1513.30	14.54	
CDRT									Y						64.200	283.400	Cape Dorset, NU	73.22	2.04	4:55	-85.08	219.87	50.00	-28.97	
CHBG	Y													Y	49.814	285.581	Chibougamau, QC	59.31	3.80	4:49	-73.99	279.29	376.30	-16.73	
CIGO			Y												64.873	212.140	College Int'l Geophysical Observatory, AK	65.07	265.59	11:03	-57.69	170.15	?197	23.90	Declination angle from station provider
CMO													Y		64.870	212.140	Fairbanks, AK (College)	65.13	265.96	11:03	-57.81	170.26	197.00	-13.53	
CRVR									Y						70.500	291.400	Clyde River, NU	78.35	17.54	3:58	-85.74	130.89	7.00	-42.74	
DED													Y		70.360	211.207	Dead Horse, Alaska	70.52	260.65	11:27	-61.32	161.90	10.00	-13.47	
DIK															73.53	80.697	Dikson, Russia	69.06	156.26	18:17	-55.57	100.07	23.00	30.11	Declination angle from station provider, based on IGRF12
DMH						Y									76.770	341.370	Danmarkshavn, Greenland	77.26	83.68	22:56	-73.78	78.59		-18.68	Declination angle from station provider
DNB					No Longer										74.300	339.780	Daneborg, Greenland	75.07	77.50	23:24	-74.16	68.84		-21.09	Operated until 12/2006
DOB							Y								62.073	9.111	Dombas, Norway	59.30	89.62	22:22	-56.78	42.79	600.00	1.19	Declination angle from station provider
DON							Y								66.111	12.497	Dønna, Norway	63.47	94.40	22:00	-60.13	53.25	30.00	3.72	Declination angle from station provider
DRBY		Y													44.950	287.870	Derby, VT	54.26	6.57	4:39	-69.14	288.93	283.80	-15.76	
EAGL			Y		No longer										64.780	218.838	Eagle, AK	66.22	271.61	10:34	-59.62	173.24		24.00	Declination angle from station provider
EKAT	No Longer													No Longer	64.717	250.667	Ekati, NT	72.15	308.31	8:00	-71.13	187.80		17.37	ASI Sent to YKNF 2/29/2008
FCC								Y							58.759	265.912	Fort Churchill, Manitoba, Ca	68.29	334.05	6:51	-74.77	216.49	15.00	-1.72	(NRCan site)
FHB						Y									62.000	310.320	Paamiut, Greenland	67.21	38.26	2:33	-79.54	0.20	1.00	-27.00	Approx. Provided by station provider
FRD													Y		38.200	282.627	Corbin, VA (Fredricksburg)	48.33	258.95	5:05	-62.61	278.62	69.00	3.10	
FRN													Y		37.090	240.287	Fresno,CA	42.91	304.66	8:25	-45.73	218.55	331.00	-6.15	
FSIM	Y			Y				Y						Y	61.760	238.770	Fort Simpson, NT	67.23	294.41	8:55	-64.71	187.76	158.80	23.35	
FSJ										Y					56.200	239.100	Fort Saint John, Canada	62.30	295.00	8:44	-62.07	295.94	410.00		
FSMI	Y			Y				Y						Y	60.030	248.070	Fort Smith, NT	67.29	307.05	8:05	-67.49	196.73	177.70	17.92	
FTN										Y					58.900	237.200	Fort Nelson, Canada	64.20	291.30	8:58	-64.32	292.43	410.00		
FYKN	Y		Y											Y	66.560	214.786	Fort Yukon, AK	67.25	266.67	10:57	-59.61	168.94	126.00	28.00	Declination angle from station provider
FYTS						No longer									46.090	259.350	Fort Yates, ND	55.41	325.84	6:59	-62.20	229.69	482.72	7.18	
GAKO			Y											Y	62.393	214.870	Gakona, AK	63.05	269.51	10:45	-56.68	174.61	605.00	25.00	Declination angle from station provider
GBAY	Y													Y	53.316	299.540	Goose Bay, NL	60.46	23.04	3:37	-74.92	319.68	46.40	-23.45	
GDH						Y									69.250	306.470	Qeqertarsuaq, Greenland	75.09	38.15	2:33	-84.60	56.97	24.00	-35.38	Declination angle from station providers
GHB						Y									64.170	308.270	Nuuk, Greenland	69.78	36.98	2:39	-82.26	8.68	1.00	-28.79	Declination angle from station provider
GILL	Y			Y				Y						Y	56.354	265.344	Gillam, MB	66.00	333.19	6:33	-72.93	221.38	95.70	0.05	
GJOA									Y						68.600	264.100	Gjoa Haven, NU	77.26	327.53	6:52	-77.63	179.44	35.00	-7.96	
GLYN											Y				46.870	263.550	Glyndon, MN	57.15	330.37	6:40	-64.91	232.72	273.70	4.73	
GUA													Y		13.590	144.869	Dededo, Guam			10:13			140.00	10.73	
HLMS			Y												61.235	210.128	High Latitude Monitoring Sta	60.97	265.97	11:03	-54.34	173.62		21.70	Declination angle from station provider
HOML			Entry in previou												61.235	210.133	Anchorage, AK	60.97	265.98	11:03	-54.34	173.62		21.70	same as HLMS
HOMR			Y		No longer										59.658	208.349	Homer, AK	59.02	265.22	11:07	-52.55	174.39		19.80	Declination angle from station provider
HON													Y		21.320	202.000	Honolulu, Hawaii	22.05	276.70	10:38	-21.38	155.06	4.00	2.82	USGS

HOP							Y								76.510	25.010	Hopen, Norway	73.33	114.02	20:42	-64.87	81.78	15.00	12.47	Declination angle from station provider
HRP										Y					49.200	275.300	Hornepayne, Canada	60.60	346.90	5:35	-60.08	5.78	336.00		
HOTS		Y													47.590	245.340	Hot Springs, MT	54.53	307.57	8:07	-57.10	213.08	860.26	15.29	
IGLO									Y						69.300	278.200	Igloolik, NU	78.21	353.48	5:24	-82.81	171.78	40.00	-34.56	
INUV	Y				Y									Y	68.413	226.230	Inuvik, NT	71.21	275.77	10:14	-64.19	170.17	13.50	28.08	
IQA												Y			63.753	291.482	Iqaluit, NU	71.95	14.82	4:10	-87.35	280.11	72.23	-30.13	
JCK							Y								66.400	16.983	Jackvik, Sweden	63.51	98.31	21:44	-59.31	56.12	425.00	5.68	Based on IGRF11, but provided by station provider
KAKO			Y												70.135	216.350	Kaktovik, AK	71.10	264.85	11:05	-62.37	163.87		33.00	Declination angle from station provider
KAPU	Y													Y	49.392	277.680	Kapuskasing, ON	59.53	352.22	5:28	-72.28	258.01	204.20	-10.38	
KAR							Y								59.211	5.245	Karmøy, Norway	56.41	85.00	22:41	-54.23	34.96	20.00	0.17	Declination angle from station provider. (Older files list different elevations)
KIAN	Y	Y												Y	66.971	199.562	Kiana, AK	65.00	251.50	12:00	-55.98	162.09	46.70	16.62	
KUUJ	Y													Y	58.100	291.600	Kuujjuaq, QC	66.57	13.43	4:14	-82.02	292.73		-25.70	
KUV						Y									74.570	302.820	Kullorsuaq, Greenland	80.61	40.63	2:23	-81.88	100.81	1.00	-42.09	Declination angle from station provider
LARG					Y										55.158	254.739	La Ronge, SK	63.67	317.84	7:26	-67.26	211.46		11.44	
LCL										Y					51.000	252.900	Lucky Lake, Canada	60.00	314.20	7:35	-59.66	315.00	635.00		
LETH					Y										49.637	247.132	Lethbridge, AB	56.92	309.24	7:59	-59.58	212.30		15.10	
LOYS		Y													40.180	281.620	Loysburg, PA	50.38	357.42	5:10	-64.54	275.10	345.20	-10.17	
LRES											Y				24.800	260.400	Linares, Mexico	34.23	328.27	6:51	-42.22	246.70	49.10	6.76	
LRG										Y					55.200	254.600	LaRonge, Canada	64.40	157.50	7:55	-64.08	316.14	379.00		
LRV															64.180	338.300	Leirvogur, Iceland	64.64	66.12	0:30	-69.05	29.26	5.00	-13.98	Declination angle is 2007-2010 average based on values from station provider
LYFD											Y				26.400	262.200	Lyford, TX	36.21	330.26	6:43	-44.69	247.79	3.70	5.95	
LYR							Y								78.200	15.830	Longyarbyen, Norway	75.49	110.64	20:56	-67.24	84.13	200.00	7.38	Declination angle from station provider
MCGR	Y	Y												Y	62.953	204.404	Mcgrath, AK	61.74	260.25	11:30	-54.05	168.87	102.00	18.02	
MEA												Y			54.616	246.653	Meanook, AB	61.77	307.58	8:05	-63.31	205.36	717.00	15.93	
NAIN									Y						56.400	298.300	Nain, NL	63.80	22.11	3:41	-78.81	318.24	7.00	-25.54	
NAL							Y								78.922	11.934	Ny Ålesund, Norway	76.43	109.59	21:01	-68.14	85.61	10.00	4.15	Declination angle from station provider
NAQ	Y					Y								Y	61.160	314.560	Narsarsuaq, Greenland	65.52	42.48	2:14	-76.67	2.50	4.00	-24.51	Same as NRSQ, declination angle from station provider
NEW													Y		48.270	242.877	Colville National Forest, WA	42.84	189.96	16:25	-30.77	118.46	770.00	-8.25	USGS
NOR							Y								71.090	25.790	Nordkapp, Norway	67.95	108.56	21:02	-61.20	70.17	57.00	9.51	Declination angle from station provider
NRD						Y									81.600	343.330	Nord, Greenland	81.20	101.42	21:37	-72.40	95.42		-21.60	(Currently only uncalibrated data)
NRSQ	Y					Y								Y	61.162	314.558	Narsarsuaq, DK	65.53	42.48	2:14	-76.67	2.50	4.00	-26.42	ASI since 10/7/2008 Greenland Site (same as NAQ)
OTT												Y			45.403	284.448	Ottawa, ON	55.10	1.99	4:55	-69.54	279.83	360.00	-13.58	
PANG									Y						66.100	294.200	Pangnirtung, NU	73.88	19.39	3:51	-89.69	336.31	30.00	-35.68	
PBK															70.08	170.9	Pevek, Russia	65.58	231.11	13:51	-53.62	146.53	5.00	-1.15	Declination angle from station provider, based on IGRF12
PG1															-85.501	77.199	Antarctica	-76.60	33.52	2:36	70.14	302.06	3342.00	-98.87	Site conjugate to UMQ, Data from Virginia Tech
PG2															-84.419	57.956	Antarctica	-75.26	39.03	2:12	69.49	306.80	3445.00	-77.79	Site conjugate to GDH, Data from Virginia Tech
PG3															-84.810	37.620	Antarctica	-73.29	36.17	2:21	66.56	305.64	3107.00	-58.07	Site conjugate to GDH, Data from Virginia Tech
PG4															-83.340	12.250	Antarctica	-70.94	35.85	2:23	65.10	306.75		-35.03	
PCEL											Y				35.000	262.600	Purcell, OK	45.10	330.11	6:42	-53.56	242.68	368.20	5.75	
PGEO	Y	Y												Y	53.815	237.172	Prince George, BC	59.07	296.09	8:50	-58.52	198.81	775.00	19.89	
PINA	Y			Y				Y						Y	50.200	263.960	Pinawa, MB	59.96	331.87	6:37	-67.71	230.67	247.00	3.00	
PINE		Y													43.080	257.410	Pine Ridge, SD	52.15	323.63	7:07	-58.67	230.50	942.22	8.39	
PKS										Y					52.200	252.800	Parksite, Canada	61.10	313.70	7:37	-60.83	314.55	422.00		
POKR			Y												65.119	212.567	Poker Flat, AK	65.40	265.79	11:02	-57.99	170.01		28.00	Declination angle from station provider
PTRS		Y													56.810	227.050	Petersburg, AK	59.90	283.97	9:41	-56.74	188.25	22.34	22.05	
RANK	Y			Y				Y						Y	62.820	267.890	Rankin Inlet, NU	72.20	336.19	6:23	-77.73	205.15	6.10	-7.65	
RBAY									Y						66.524	273.769	Repulse Bay, NU	75.72	345.58	5:51	-81.31	191.39	20.00	-22.68	
REDR					Y										52.143	246.161	Red Deer, AB	59.24	307.34	8:06	-61.14	208.16		16.26	
RICH											Y				32.980	262.250	Richardson, TX	43.13	331.08	6:38	-51.86	244.93	175.90	5.35	
RMUS		Y													43.660	274.860	Remus, MI	54.06	347.92	5:42	-66.33	257.54	302.61	-5.79	
ROE						Y									55.172	8.550	Rømø, Denmark	51.62	86.36	22:34	-47.47	30.19	1.00	1.40	Declination angle from station provider, but based on IGRF11.
ROTH					Y										50.873	245.698	Priddis, AB	57.88	307.14	8:07	-59.93	209.45		16.08	
RVK							Y								64.947	10.987	Rørvik, Norway	62.32	92.49	22:08	-59.40	49.98	10.00	2.29	Declination angle from station provider
SATX											Y				29.440	261.390	San Antonio, TX	39.12	329.04	6:47	-47.46	245.00	430.40	6.38	
SCO						Y									70.480	338.030	Ittoqqortoormiit, Greenland	71.39	70.83	23:55	-73.65	52.41	50.00	-18.48	Declination angle from station provider
SHU													Y		55.380	199.536	Sand Point, AK	49.03	227.96	14:04	-38.60	149.56	80.00	-6.05	
SIT													Y		57.060	224.673	Sitka, AK	51.07	206.80	15:29	-38.77	132.31	24.00	-14.60	
SJG													Y		18.110	293.850	Cayey, Puerto Rico (San Juan)						424.00		
SKT						Y									65.420	307.100	Maniitsoq, Greenland	71.21	36.31	2:42	-83.56	16.69	1.00	-30.56	Declination angle from station provider
SNAP	Y													Y	63.580	249.130	Snap Lake, NT	70.84	306.78	8:06	-69.92	189.71		18.46	ASI From YKNF 10/22/2008
SNKQ	Y			Y				Y						Y	56.536	280.769	Sanikiluaq, NU	66.21	357.20	5:12	-79.20	253.25	20.10	-17.74	

SOL							Y								61.080	4.843	Solund, Norway	58.51	85.53	22:39	-56.75	38.26	30.00	-0.58	Declination angle from station provider (Conflicting listings of longitude, latitude and elevation in files)
SOR							Y								70.541	22.225	Sørøya, Norway	67.55	105.31	21:15	-61.54	67.44	10.00	8.84	Declination angle from station provider
STF						Y									67.020	309.280	Kangerlussuaq, Greenland	72.41	39.92	2:26	-83.32	31.57	230.00	-31.64	Declination angle from station provider
STJ												Y			47.595	307.323	St. John, Newfoundland	52.68	31.30	3:04	-63.10	332.08	33.50	-19.51	
SVS						Y									76.020	294.900	Savissivik, Greenland	82.94	31.50	3:03	-80.80	116.74		-47.43	Declination angle from station provider (Currently only uncalibrated data)
SWNO		Y													44.780	271.400	Shawano, WI	55.12	342.93	5:59	-66.16	249.67	224.96	-2.99	
TALO	Y			Y				Y						Y	69.541	266.446	Taloyoak, NT	78.26	331.23	6:39	-78.53	175.21		-15.40	ASI From PGEO 11/8/2008
TDC						Y									-37.068	-12.317	Tristan Da Cunha (South Atla	-40.09	49.59	1:30	41.93	327.24	45.00	-22.04	Declination angle from station provider
THL						Y									77.470	290.770	Qaanaaq, Greenland	84.67	27.80	3:18	-79.32	121.86	57.00	-51.30	Declination angle from station provider
TIK															71.587	128.921	Tiksi, Russia	66.41	198.42	16:02	-52.28	125.18	12.00	-16.90	Declination angle from station provider, but based on IGRF11.
TOOL			Y												68.633	210.396	Toolik Lake, AK	68.65	261.62	11:23	-60.00	164.32		21.51	
TPAS	Y													Y	53.994	259.059	The Pas, MB	63.12	324.23	7:04	-68.40	218.15	236.00	7.41	
TRAP			Y												62.240	209.580	Trapper Creek, AK	61.91	264.97	11:07	-54.96	172.20		21.23	Declination angle from station provider
TRO							Y								69.662	18.940	Tromsø, Norway	66.82	102.01	21:28	-61.60	64.08	105.00	5.42	Declination angle from station provider
TUC													Y		32.170	249.266	Tucson, AZ	26.14	182.84	16:45	-15.82	111.32	946.00	-2.92	
UKIA		Y													45.140	241.070	Ukiah, OR	51.19	303.23	8:25	-53.14	211.91	1018.29	15.94	
UMQ						Y									70.680	307.870	Uummannaq, Greenland	76.25	41.33	2:19	-83.69	68.07	1.00	-35.60	Declination angle from station provider
UPN						Y									72.780	303.850	Upernavik, Greenland	78.83	38.90	2:30	-83.25	91.55	1.00	-39.60	Declination angle from station provider
VIC												Y			48.520	236.580	Victoria, BC	53.66	297.57	8:48	-54.14	204.81	0.00	17.34	
VLDR				No longer											48.190	-77.757	Val-d'Or, Quebec, Canada	58.88	358.08	5:05	-72.97	268.59	330.00	-14.16	
WHIT	Y													Y	61.010	224.777	Whitehorse, YT	63.64	279.62	9:59	-58.99	181.45	753.60	23.78	
WRTH											Y				43.600	264.400	Worthington, MN	54.00	331.87	6:35	-62.45	237.65	538.30	4.21	
WHS										Y					60.700	224.900	Whitehorse, YT	63.60	277.20	9:50	-63.44	278.37	1702.00		
YKC								Y							62.480	245.518	Yellowknife, NT	69.20	302.86	8:36	-67.93	190.34	198.00	20.69	(NRCan site, not the same mag as YKNF)
YKNF	No Longer													No Longer	62.520	245.687	Yellowknife, NT	69.25	302.67	8:22	-67.94	190.15		20.60	ASI From EKAT 3/1/2008 ASI Sent to SNAP 10/14/2008

*Geom lat, long, midnight, conjugate lat, conjugate long were calculated using http://omniweb.gsfc.nasa.gov/vitmo/cgm.html with a year of 2010 and an altitude of 0, or using the new site http://omniweb.gsfc.nasa.gov/vitmo/cgm_vitmo.html.

^ Declination angle in degrees, calculated (unless noted otherwise) using http://www.ngdc.noaa.gov/geomag-web/#igrfwmm with IGRF-11, a date of 2007-02-17, and using station elevation where available (and listed in this file) or elevation of zero when not available.