Appendix A

GPS Positions and Magnetic Field Data

NB: Data for Line 9E up to Line 14E was collected on 27/06/06 (the diurnal variation on this day is shown in Fig. 4.3) and for the rest of the lines on 28/06/06 (the diurnal variation on this day is shown in Fig. 4.4). All GPS values have +/- 5 m accuracy.

LINE 1E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	297799	8049436	1480	10:31:49	30732.7	3.7	30736.4
12.5	297792	8049425	1480	10:31:09	30903.2	2.9	30906.1
25	297785	8049414	1480	10:30:47	30888.3	2.85	30891.15
37.5	297779.5	8049402	1481	10:30:12	31101.9	2.4	31104.3
50	297774	8049390	1482	10:29:41	30935.3	1.8	30937.1
62.5	297766.5	8049379	1483.5	10:29:10	30966	1.7	30967.7
75	297759	8049368	1485	10:28:44	30957.2	2.1	30959.3
87.5	297752	8049356	1485.5	10:28:14	30922.6	2.3	30924.9
100	297745	8049344	1486	10:27:41	30957.1	2	30959.1
112.5	297738.5	8049332	1485	10:27:03	30980.3	1.15	30981.45
125	297732	8049320	1484	10:26:13	30970.6	0.7	30971.3
137.5	297725	8049308	1481.5	10:25:47	31007.8	0.65	31008.45
150	297719	8049297	1479	10:25:03	30659.3	0.05	30659.35
162.5	297715	8049289	1476.5	10:24:33	30961.2	0.6	30961.8
175	297711	8049280	1474	10:24:03	31108.9	-0.1	31108.8
187.5	297706.5	8049272	1472.5	10:22:57	31160.9	-0.7	31160.2
200	297702	8049264	1471	10:22:31	31300.1	-0.6	31299.5
212.5	297695.5	8049253	1471	10:22:03	31302.4	-0.3	31302.1
225	297689	8049241	1471	10:21:36	31413	-0.4	31412.6
237.5	297684.5	8049231	1471	10:21:07	31533	0.6	31533.6

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
250	297680	8049221	1471	10:20:38	31684.4	0.7	31685.1
262.5	297676	8049211	1472.5	10:19:13	31866.7	-0.2	31866.5
275	297672	8049200	1474	10:18:25	30761	-0.4	30760.6

LINE 2E

0	297836	8049415	1485	10:34:47	31006.6	4.7	31011.3
12.5	297833	8049405	1485.5	10:35:43	30892.4	3.9	30896.3
25	297829	8049394	1486	10:36	30924.6	4	30928.6
37.5	297823	8049383	1487	10:36:55	31001.8	4.8	31006.6
50	297817	8049371	1488	10:38:12	31168.7	5.2	31173.9
62.5	297811.5	8049360	1489.5	10:38:53	31018.5	5.3	31023.8
75	297806	8049349	1491	10:39:17	30565.2	5.6	30570.8
87.5	297800.5	8049338	1491	10:39	30766.4	6	30772.4
100	297795	8049327	1491	10:40:10	30905.7	6.3	30912
112.5	297789.5	8049316	1490.5	10:40:46	30982.6	6.6	30989.2
125	297784	8049304	1490	10:41:11	31033	6.8	31039.8
137.5	297778.5	8049294	1488	10:41:52	31074.7	6.1	31080.8
150	297773	8049284	1486	10:42:18	31166.6	6.2	31172.8
162.5	297768	8049273	1483.5	10:43:24	31192	6.7	31198.7
175	297763	8049261	1481	10:43:53	31075.6	8	31083.6
187.5	297757	8049251	1478.5	10:44:15	31216.7	8.2	31224.9
200	297751	8049241	1476	10:44:51	31370.2	7.9	31378.1
212.5	297745	8049229	1476	10:45:35	31438	8.5	31446.5
225	297739	8049217	1476	10:45	31572.4	7.9	31580.3
237.5	297733.5	8049206	1476	10:46:26	31867.1	8.2	31875.3

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
250	297728	8049194	1476	10:46:50	31819.3	8.3	31827.6
262.5	297722.5	8049183	1477	10:47:10	31557.6	8.3	31565.9
275	297717	8049172	1478	10:47:46	31376.1	8.5	31384.6

LINE 3E

0	297885	8049391	1492	11:09:40	30766.5	-0.2	30766.3
12.5	297878.5	8049380	1491.5	11:09:00	30881.2	14.2	30895.4
25	297872	8049368	1491	11:08:29	30904.6	14	30918.6
37.5	297866.5	8049358	1491.5	11:08:06	30931.6	13.8	30945.4
50	297861	8049347	1492	11:07:21	30950.9	13.4	30964.3
62.5	297855	8049336	1493	11:06:59	30922.3	13.7	30936
75	297849	8049324	1494	11:06:28	30912.9	14.6	30927.5
87.5	297843	8049313	1493.5	11:06:03	30930.4	14.8	30945.2
100	297837	8049302	1493	11:05:23	30986.7	14.7	31001.4
112.5	297830.5	8049290	1492	11:04:52	31048.1	14.6	31062.7
125	297824	8049278	1491	11:04:30	31054.3	14.6	31068.9
137.5	297818.5	8049268	1489.5	11:04:09	31099.5	14.6	31114.1
150	297813	8049257	1488	11:03:45	31155.6	14.4	31170
162.5	297807	8049246	1486	11:03:21	31248.6	14.4	31263
175	297801	8049235	1484	11:02:58	31321.5	14.6	31336.1
187.5	297796	8049225	1481.5	11:02	31553.8	13.2	31567
200	297791	8049215	1479	11:01:25	31634.4	13.3	31647.7
212.5	297786	8049205	1479	11:00:46	31947.3	12.4	31959.7
225	297781	8049195	1479	11:00:11	32057.6	11.8	32069.4
237.5	297775	8049184	1478.5	10:59:40	31819.2	11.4	31830.6
250	297769	8049173	1478	10:58:31	31415.9	12.4	31428.3

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
262.5	297763.5	8049162	1478	10:56:10	31152.2	10.5	31162.7
275	297758	8049151	1478	10:55:33	31137.1	10.6	31147.7

LINE 4E

0	297926	8049369	1492	11:11:04	30853.6	13.1	30866.7
12.5	297921	8049358	1492	11:12:05	30890.5	15.3	30905.8
25	297916	8049346	1492	11:12:32	30909.9	15	30924.9
37.5	297910.5	8049335	1493.5	11:12:53	30919.6	15.2	30934.8
50	297905	8049324	1495	11:13:19	30897.4	15.18	30912.58
62.5	297899	8049313	1494.5	11:13:40	30948.3	14.9	30963.2
75	297893	8049302	1494	11:14:03	30942	14.6	30956.6
87.5	297887.5	8049291	1494	11:14:29	30978.6	15.2	30993.8
100	297882	8049279	1494	11:14:49	31004.1	15.4	31019.5
112.5	297876	8049268	1492	11:15:21	31040.1	15.45	31055.55
125	297870	8049257	1490	11:16:19	31071.7	14.4	31086.1
137.5	297864.5	8049246	1489	11:16:49	31119.4	14.85	31134.25
150	297859	8049235	1488	11:17:35	31186.9	14.8	31201.7
162.5	297853.5	8049224	1486.5	11:18:08	31277	14.1	31291.1
175	297848	8049213	1485	11:18:40	31340.4	14.9	31355.3
187.5	297842	8049202	1483.5	11:19:11	31460.7	14.95	31475.65
200	297836	8049190	1482	11:20:09	31608.3	14.9	31623.2
212.5	297831	8049181	1481	11:21:07	31803	15.5	31818.5
225	297826	8049171	1480	11:21:33	31611.8	14.85	31626.65
237.5	297820	8049160	1480.5	11:21:54	31368.1	15.7	31383.8
250	297814	8049148	1481	11:22:22	31289	14.85	31303.85
262.5	297808	8049137	1480.5	11:22:47	31244.5	14.7	31259.2

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
275	297802	8049126	1480	11:23:16	31238.5	14.7	31253.2

LINE 5E

0	297971	8049344	1500	11:37:04	30882.1	13.6	30895.7
12.5	297964.5	8049333	1499	11:36:32	30909.7	13.4	30923.1
25	297958	8049322	1498	11:35:57	30935.3	13.58	30948.88
37.5	297952	8049311	1498	11:35:29	30962	13.2	30975.2
50	297946	8049300	1498	11:35:04	30953.5	12.9	30966.4
62.5	297940	8049289	1497.5	11:34:39	30962.6	12.75	30975.35
75	297934	8049278	1497	11:34:15	30964.3	12.9	30977.2
87.5	297927.5	8049268	1496.5	11:33:43	30992.1	12.5	31004.6
100	297921	8049257	1496	11:33:20	31006.8	12.4	31019.2
112.5	297915	8049246	1495	11:32:52	31060.9	12.8	31073.7
125	297909	8049236	1494	11:32:27	31088.3	13.95	31102.25
137.5	2978904	8049225	1492.5	11:31:45	31183	12.9	31195.9
150	297899	8049211	1491	11:31:21	31224.7	13.1	31237.8
162.5	297893	8049200	1489	11:30:50	31185.5	12.75	31198.25
175	297887	8049188	1487	11:30:10	31376.6	12.5	31389.1
187.5	297882	8049177	1486	11:29:46	31650	12.55	31662.55
200	297876	8049165	1485	11:29:04	31653.1	13.3	31666.4
212.5	297872	8049154	1484	11:28:09	31819.5	13.18	31832.68
225	297867	8049143	1483	11:27:48	31710.2	13.2	31723.4
237.5	297862	8049132	1483	11:27:21	31420.5	13.3	31433.8
250	297854	8049120	1483	11:26:54	31312.7	13.4	31326.1
262.5	297850	8049110	1482.5	11:26:29	31186.3	13.5	31199.8
275	297845	8049100	1482	11:25:54	31275.5	14.7	31290.2

LINE 6E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298012	8049326	1508	11:39:18	30933.7	13.6	30947.3
12.5	298009	8049315	1507	11:40:03	31018.7	13.7	31032.4
25	298006	8049304	1506	11:40:28	30916.9	13.8	30930.7
37.5	298000.5	8049291	1504.5	11:41:01	31038.8	12.3	31051.1
50	297995	8049278	1503	11:41:29	30916.1	12	30928.1
62.5	297990.5	8049267	1501.5	11:42:26	30917.4	12.75	30930.15
75	297986	8049255	1500	11:42:58	30947.9	12.7	30960.6
87.5	297981.5	8049245	1499.5	11:43:24	30943	12.7	30955.7
100	297977	8049235	1499	11:44:09	30988.9	12.05	31000.95
112.5	297971.5	8049223	1497	11:44:45	30018.2	12.1	30030.3
125	297966	8049210	1495	11:45	31056.7	1.2	31057.9
137.5	297962	8049201	1494	11:45:51	31090.4	11.85	31102.25
150	297958	8049191	1493	11:46:20	31105.6	11.9	31117.5
162.5	297953	8049180	1491	11:46:45	31144.2	11.8	31156
175	297948	8049169	1489	11:47:18	31240	11.7	31251.7
187.5	297944	8049158	1488	11:47:45	31348.8	11.55	31360.35
200	297940	8049146	1487	11:48:31	31710.5	11.4	31721.9
212.5	297935.5	8049136	1486.5	11:49:34	31709.6	10.4	31720
225	297931	8049125	1486	11:50:12	31046.4	11.4	31057.8
237.5	297926	8049115	1486	11:50:49	31276.6	11.4	31288
250	297921	8049104	1486	11:51:45	31068.7	11	31079.7
262.5	297916	8049094	1486	11:52:35	31873.1	10.8	31883.9
275	297911	8049084	1486	11:53:52	31311.3	10.2	31321.5

LINE 7E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298060	8049299	1514	12:26:19	30993.2	7.6	31000.8
12.5	298054.5	8049288	1512.5	12:25:46	30975.6	7.4	30983
25	298049	8049277	1511	12:25:19	30978.1	7.45	30985.55
37.5	298043.5	8049266	1509.5	12:24:50	30910.4	7.35	30917.75
50	298038	8049254	1508	12:24:19	30903.7	7.6	30911.3
62.5	298033	8049243	1506.5	12:23:39	30931.5	7.4	30938.9
75	298028	8049232	1505	12:23:11	30950.8	7.25	30958.05
87.5	298022.5	8049221	1503.5	12:22:42	30972.9	6.6	30979.5
100	298017	8049209	1502	12:22:01	30997.1	6.8	31003.9
112.5	298012	8049199	1500	12:21:15	31038.5	7	31045.5
125	298007	8049188	1498	12:20:20	31070.7	7.85	31078.55
137.5	298002.5	8049177	1496	12:19:45	31132	6.85	31138.85
150	297998	8049166	1494	12:19:14	31151.6	7	31158.6
162.5	297992	8049155	1493	12:18:40	31229.7	7	31236.7
175	297986	8049144	1492	12:18:08	31224.4	7.9	31232.3
187.5	297980	8049133	1490.5	12:17:09	30353	8.25	30361.25
200	297974	8049122	1489	12:15:14	32105.2	8.2	32113.4
212.5	297968	8049111	1488	12:01:04	30827.9	10.2	30838.1
225	297962	8049099	1487	12:00:17	30801.9	10.5	30812.4
237.5	297956	8049088	1488	12:59:43	30762.9	10.5	30773.4
250	297950	8049077	1489	12:59:17	30817	10.35	30827.35
262.5	297943.5	8049066	1488.5	12:58:48	30926.2	10.3	30936.5
275	297936	8049054	1488	12:57:10	30978.4	10.8	30989.2

LINE 8E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298110	8049276	1519	12:28:11	30810.9	7.55	30818.45
12.5	298102	8049267	1517	12:28:50	30877.4	7.8	30885.2
25	298094	8049258	1515	12:29:24	30908.5	8.55	30917.05
37.5	298087.5	8049247	1514	12:29:48	30904.4	8.4	30912.8
50	298081	8049235	1513	12:30:14	30918.7	8.2	30926.9
62.5	298075	8049224	1510	12:30:41	30934.4	8.2	30942.6
75	298069	8049213	1507	12:31:27	30959.6	8.45	30968.05
87.5	298063	8049203	1505.5	12:31:58	30987.3	8.7	30996
100	298057	8049192	1504	12:32:18	30020.4	8.45	30028.85
112.5	298050.5	8049181	1501.5	12:32:50	31055	8.5	31063.5
125	298044	8049170	1499	12:33:22	31130	8.5	31138.5
137.5	298038	8049160	1497	12:33:52	31219.1	8.9	31228
150	298032	8049149	1495	12:34:18	31281.2	9.4	31290.6
162.5	298026	8049138	1493	12:35:08	31434.2	9.2	31443.4
175	298020	8049127	1491	12:35:57	31829.9	9.65	31839.55
187.5	298014	8049117	1489.5	12:36:36	32085.5	9.5	32095
200	298008	8049106	1488	12:38:49	30514	9.7	30523.7
212.5	298004	8049100	1487.5	12:39:19	30677.9	9.85	30687.75
225	298000	8049093	1487	12:40:03	30733.4	10.4	30743.8
237.5	297994	8049082	1487.5	12:40:28	30722	10.1	30732.1
250	297988	8049071	1488	12:41:37	30768	10.4	30778.4
262.5	297982	8049060	1488	12:42:21	30957.4	10.25	30967.65

LINE 9E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298146	8049243	1517	15:54:17	30872.1	2	30874.1
12.5	298139.5	8049233	1515.5	15:54:50	30913.3	1.4	30914.7
25	298133	8049223	1514	15:55:24	30900.9	0.5	30901.4
37.5	298127	8049213	1512	15:55:55	30917.1	1.1	30918.2
50	298121	8049203	1510	15:56:29	30927.6	2.5	30930.1
62.5	298115	8049193	1508	15:57:01	30945.7	0.9	30946.6
75	298109	8049183	1506	15:57:39	30907.1	1.2	30908.3
87.5	298103	8049173	1503	15:58:17	31004.8	1	31005.8
100	298097	8049163	1500	15:58:52	31052.9	1.2	31054.1
112.5	298091	8049153	1500	15:59:23	31105.6	1.15	31106.75
125	298085	8049143	1500	16:00:45	31290.7	1.6	31292.3
137.5	298079	8049133	1498	16:01:24	31490.2	1	31491.2
150	298073	8049123	1496	16:02:09	31853	0.55	31853.55
162.5	298067	8049113	1494.5	16:03:16	32627.4	-0.01	32627.39
175	298061	8049103	1493	16:04:18	31877.3	-1	31876.3
187.5	298055	8049093	1491.5	16:05	30717.9	0.3	30718.2
200	298049	8049083	1490	16:06:19	30850.9	-0.35	30850.55
212.5	298043	8049073	1490	16:08:08	29458	0.9	29458.9
225	298037	8049063	1490	16:08:43	30810.8	3.2	30814
237.5	298031	8049053	1491	16:09:19	30746.1	2.1	30748.2
250	298025	8049043	1492	16:10:02	29808.2	1.7	29809.9

LINE 10E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298191	8049231	1517	15:50:22	30854.6	3.4	30858
12.5	298185.5	8049221	1515.5	15:49:51	30900.5	4.1	30904.6
25	298180	8049210	1514	15:49:24	30887.2	3.2	30890.4
37.5	298174.5	804199.5	1513	15:48:53	30897.2	2.4	30899.6
50	298169	8049189	1512	15:48:18	30917.2	2.4	30919.6
62.5	298163.5	8049179	1510.5	15:47:47	30923.7	2	30925.7
75	298158	8049168	1509	15:47:13	30948	1.65	30949.65
87.5	298152	8049158	1506.5	15:46:39	30978.5	1	30979.5
100	298146	8049147	1504	15:46:08	31005.6	1.4	31007
112.5	298140	8049137	1502	15:45:41	31039.6	1.25	31040.85
125	298134	8049126	1500	15:45:08	31135.3	2.2	31137.5
137.5	298128.5	8049116	1497.5	15:44:39	31216.5	2.6	31219.1
150	298123	8049105	1495	15:44:03	31670.3	3	31673.3
162.5	298117	8049095	1493.5	15:43:21	31169.2	2.95	31172.15
175	298111	8049084	1492	15:42	30967.5	3	30970.5
187.5	298105	8049074	1491.5	15:42:02	30815.1	1.9	30817
200	298099	8049063	1491	15:41:33	30660.6	0.9	30661.5
212.5	298093	8049053	1491	15:41:08	29149.3	1.3	29150.6
225	298087	8049042	1491	15:40:20	31733.8	1.95	31735.75
237.5	298081	8049032	745.5	15:39:39	31003.6	1.9	31005.5

LINE 11E

0	298220	8049174	1524	15:26:18	30868.2	0.9	30869.1
12.5	298216	8049164.5	1523.5	15:26:53	30871.2	0.5	30871.7
25	298212	8049155	1523	15:27:25	30891.8	0.6	30892.4

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
37.5	298208.5	8049145.5	1522	15:28:05	30892.2	-1	30891.2
50	298205	8049136	1521	15:28:47	30920.9	0.2	30921.1
62.5	298201.5	8049126.5	1519	15:29:16	30944.7	0.3	30945
75	298198	8049117	1517	15:29:49	30985.9	0.5	30986.4
87.5	298194.5	8049107.5	1514.5	15:30:21	31033.8	0.95	31034.75
100	298191	8049098	1512	15:31:00	31154.1	0.5	31154.6
112.5	298187.5	8049088.5	1509	15:31:43	31293.4	0.2	31293.6
125	298184	8049079	1506	15:32:19	31440.7	0.8	31441.5
137.5	298180	8049069.5	1504	15:33:15	30964.4	0.6	30965
150	298176	8049060	1502	15:34:04	30844.7	0.5	30845.2
162.5	298172	8049050.5	1499.5	15:34:36	30531.2	0.1	30531.3
175	298168	8049041	1497	15:35:27	30883.4	-0.04	30883.36
187.5	298164	8049031.5	1496	15:36:18	30748.4	0.1	30748.5
200	298160	8049022	1495	15:36	30783.2	-5.8	30777.4
212.5	298156	8049011	1493	15:37:22	30774.8	-3.4	30771.4
225	298150	8049000	1491	15:37:55	30649.3	0	30649.3

LINE 12E

0	298279	8049184	1529	15:24:43	30825.1	1.5	30826.6
12.5	298275	8049176	1528	15:24:12	30886.8	1.6	30888.4
25	298271	8049168	1527	15:23:45	30865.7	1.45	30867.15
37.5	298266.5	8049157.5	1524.5	15:23:08	30894.3	1.55	30895.85
50	298262	8049147	1522	15:22:32	30925.9	2.1	30928
62.5	298257.5	8049136.5	1520	15:21:58	31057.4	1.7	31059.1
75	298253	8049126	1518	15:21:24	31008.1	2.25	31010.35
87.5	298249	8049115.5	1515	15:20:45	31134.9	2.5	31137.4

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
100	298244	8049105	1512	15:20:13	31372.5	2.7	31375.2
112.5	298239	8049094.5	1510	15:19:38	31259	2.55	31261.55
125	298235	8049084	1508	15:18:55	31253.5	2.7	31256.2
137.5	298231	8049073.5	1505.5	15:18:21	32683.2	3.15	32686.35
150	298227	8049063	1503	15:17:17	32003.6	3.5	32007.1
162.5	298223	8049052	1500.5	15:16:35	31252.6	3	31255.6
175	298219	8049041	1498	15:15:50	30142.4	3.2	30145.6
187.5	298215	8049030.5	1497	15:14	30485.5	3	30488.5
200	298211	8049020	1496	15:13:58	30747.9	1.3	30749.2
212.5	298206	8049008	1496	15:13:24	30716.3	1.4	30717.7
225	298201	8048996	1496	15:12:42	30535.6	1.9	30537.5

LINE 13E

0	298315	8049146	1532	14:57:40	30809.7	1.3	30811
12.5	298311	8049138	1530	14:58:28	30834.4	1.6	30836
25	298307	8049130	1528	14:59:08	30849.3	2.5	30851.8
37.5	298303	8049119	1525	14:59:44	30859.5	2.4	30861.9
50	298299	8049107	1522	15:00:16	30893.4	2.3	30895.7
62.5	298294	8049097	1519.5	15:00:52	30914.8	2.5	30917.3
75	298289	8049086	1517	15:01:37	30997.1	1.9	30999
87.5	298284	8049076	1515	15:02:21	31322.5	2	31324.5
100	298279	8049065	1513	15:03:08	30999.7	0.2	30999.9
112.5	298274	8049055	1512	15:04:04	31459.1	1	31460.1
125	298269	8049044	1511	15:05:04	30611.7	1	30612.7
137.5	298264	8049034	1509	15:05:58	30785.8	3.2	30789
150	298259	8049023	1507	15:06:31	30919.3	2.7	30922

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
162.5	298254	8049013	1504.5	15:07:06	30237.7	2.9	30240.6
175	298249	8049002	1502	15:07:38	30398.7	3.1	30401.8
187.5	298244.5	8048992	1500.5	15:08:10	30572.9	2.3	30575.2
200	298240	8048982	1499	15:08:52	30538	2.1	30540.1
212.5	298237.5	8048975	1498	15:09:22	30717.7	2.2	30719.9
225	298235	8048968	1497	15:09:55	30650.4	2.4	30652.8
237.5	298232	8048961	1497	15:10:50	30643.6	1.4	30645

LINE 14E

0	298368	8049140	1535	14:55:48	30816.6	1.7	30818.3
12.5	298364	8049130	1532	14:55:09	30838.4	2.3	30840.7
25	298360	8049120	1529	14:54:37	30849.8	2.2	30852
37.5	298356	8049110	1527	14:54:02	30849.9	2.3	30852.2
50	298352	8049100	1525	14:53:25	30868.4	3.15	30871.55
62.5	298347	8049090	1522	14:52:44	30875.7	3.95	30879.65
75	298342	8049080	1519	14:52:01	30909.9	4.5	30914.4
87.5	298336	8049070	1516	14:51:25	30928.6	4.5	30933.1
100	298333	8049060	1513	14:50:43	30992.5	2.6	30995.1
112.5	298327	8049048	1512	14:50:00	27022.8	2.8	27025.6
125	298321	8049036	1511	14:48:43	30112	4.6	30116.6
137.5	298315	8049024	1510	14:47:44	30477.3	4.95	30482.25
150	298309	8049012	1509	14:47:04	30674.5	4.85	30679.35
162.5	298303	8049000	1507	14:46:06	30621.1	2.9	30624
175	298297	8048988	1505	14:45:18	30548.9	2.7	30551.6
187.5	298291	8048976	1503.5	14:44:08	29557.6	2.5	29560.1
200	298285	8048964	1502	14:42:41	30602.6	1.4	30604

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
212.5	298279	8048952	1501	14:42:05	30605.5	3	30608.5
225	298273	8048940	1500	14:40:50	30944.3	1.3	30945.6
237.5	298267	8048928	1500	14:40:00	30817.7	-1.5	30816.2
250	298261	8048916	1500	14:39:01	30424	0	30424

LINE 15E

0	298412	8049103	1533	13:12:22	30847.3	13.6	30860.9
12.5	298407	8049091	1532.5	13:11:41	30911.5	13.55	30925.05
25	298402	8049078	1532	13:11:13	30878	14.2	30892.2
37.5	298397	8049068	1530.5	13:10:30	30909.7	15	30924.7
50	298492	8049058	1529	13:09:50	30949.2	14.25	30963.45
62.5	298387.5	8049046	1526	13:09:10	31001.5	14.4	31015.9
75	298383	8049034	1523	13:08:34	31138.5	14.8	31153.3
87.5	298378	8049022	1521.5	13:07:57	28618.8	15	28633.8
100	298373	8049010	1520	13:06:46	26825.7	14.85	26840.55
112.5	298368	8048998	1517.5	13:06:00	30127	14.8	30141.8
125	298363	8048986	1515	13:04:26	30132.3	14.9	30147.2
137.5	298358	8048974	1513	13:03:34	29956.8	15.2	29972
150	298353	8048962	1511	13:03:08	30409.9	15.1	30425
162.5	298350	8048954	1510	13:02:47	30542.8	14.2	30557
175	298347	8048946	1509	13:02:10	30610.7	13.4	30624.1
187.5	298342	8048938	1507.5	13:01:28	30691.6	13.4	30705
200	298337	8048929	1506	13:00	30728.5	13.3	30741.8
212.5	298333	8048920	1505	13:00:07	30738	13.35	30751.35
225	298329	8048911	1504	12:59:46	30726.6	13.8	30740.4
237.5	298324	8048899	1504	12:58:51	30809.7	12.95	30822.65

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
250	298319	8048887	1504	12:58:22	30679.8	12.75	30692.55
262.5	298314	8048875	1504	12:57:48	30639	12.45	30651.45

LINE 16E

0	298477	8049083	1535	13:14:28	30853.3	14.7	30868
12.5	298470.5	8049075	1534	13:14:57	30855.8	14.3	30870.1
25	298464	8049066	1533	13:15:37	31000.6	13.5	31014.1
37.5	298457	8049054	1531.5	13:16:16	30981.5	13.8	30995.3
50	298450	8049041	1530	13:16:48	31072.7	13	31085.7
62.5	298443.5	8049031	1527.5	13:17:19	31159.6	13.1	31172.7
75	298437	8049021	1525	13:18:28	31672	14.2	31686.2
87.5	298431.5	8049011	1522.5	13:19:20	32967.7	13.2	32980.9
100	298426	8049001	1520	13:20:46	29967.5	13	29980.5
112.5	298421	8048991	1518	13:21:39	30650.7	14.1	30664.8
125	298416	8048981	1516	13:22:35	30659.8	14.8	30674.6
137.5	298410	8048970	1515	13:23:33	30400.7	14.5	30415.2
150	298404	8048959	1514	13:24:28	30487	14.2	30501.2
162.5	298396.5	8048947	1513	13:25:39	30883.2	14.3	30897.5
175	298389	8048935	1512	13:27:14	30580.3	14.85	30595.15
187.5	298382	8048923	1510	13:28:03	30777.5	14.8	30792.3
200	298375	8048911	1508	13:28:32	30941.7	14	30955.7
212.5	298368	8048899	1507.5	13:29:47	31105.2	16	31121.2
225	298361	8048887	1507	13:30:20	31159.6	15.8	31175.4
237.5	298354	8048875	1507	13:30:52	31108.8	15.85	31124.65
250	298347	8048863	1507	13:31:25	31038.1	16.15	31054.25
262.5	298339	8048850	1508	13:31:57	31143.3	16.7	31160

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
275	298331	8048838	1508	13:32:48	31465.2	16.5	31481.7

LINE 17E

0	298512	8049055	1537	13:55:16	30819.1	18.65	30837.75
12.5	298506	8049044	1536	13:54:38	30903.8	17.35	30921.15
25	298500	8049032	1535	13:54:10	30913.5	17	30930.5
37.5	298492.5	8049018	1531.5	13:53:32	31009.2	17.9	31027.1
50	298485	8049004	1528	13:53:03	31018.4	17.8	31036.2
62.5	298480	8048994	1526	13:52:28	30999	18.1	31017.1
75	298475	8048983	1524	13:52:01	30800.5	17.3	30817.8
87.5	298469.5	8048972	1522	13:50:48	30616.6	17	30633.6
100	298464	8048961	1520	13:49:43	30379.8	16.4	30396.2
112.5	298458	8048952	1519	13:49:12	30672.4	16.2	30688.6
125	298452	8048942	1518	13:48:38	30666.6	16.1	30682.7
137.5	298449	8048936	1517.5	13:48:00	31258.6	15.9	31274.5
150	298446	8048929	1517	13:47:05	30688.1	15.5	30703.6
162.5	298442	8048920	1515.5	13:46:22	30760.9	16.5	30777.4
175	298435	8048910	1514	13:45:40	30797	16.75	30813.75
187.5	298428	8048900	1513.5	13:44:41	30938.7	16.7	30955.4
200	298424	8048890	1513	13:43:24	31242.7	17.4	31260.1
212.5	298418.5	8048878	1512.5	13:41:59	31535.6	16.9	31552.5
225	298413	8048866	1512	13:40:48	31781.6	17.4	31799
237.5	298407.5	8048854	1510.5	13:39:05	33026.6	16.8	33043.4
250	298402	8048842	1509	13:37:13	31024.3	17.35	31041.65
262.5	298396.5	8048830	1509.5	13:36:38	30908.6	17.1	30925.7
275	298391	8048820	1510	13:36:04	30842.8	17.2	30860

LINE 18E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298558	8049035	1534	13:57:14	30795.9	18.3	30814.2
12.5	298552.5	8049025	1532.5	13:57:51	30833.9	19.1	30853
25	298547	8049015	1531	13:58:19	30968.7	19.1	30987.8
37.5	298541	8049005	1529.5	13:58:38	30998.6	19	31017.6
50	298535	8048995	1528	13:59:18	31209.5	19	31228.5
62.5	298529	8048985	1527.5	13:59:49	31327.8	19	31346.8
75	298523	8048974	1527	14:00:47	31054.3	18.2	31072.5
87.5	298518	8048964	1525.5	14:01:37	30665.7	18.8	30684.5
100	298513	8048953	1524	14:02:09	30722.6	12.85	30735.45
112.5	298507	8048944	1523	14:03:13	30664.7	18.45	30683.15
125	298501	8048934	1522	14:03:54	30670	18.4	30688.4
137.5	298496	8048925	1520.5	14:04:55	28982.4	17.9	29000.3
150	298491	8048915	1519	14:06:24	29438.1	18.2	29456.3
162.5	298485	8048904	1519	14:07:33	30629.6	18.2	30647.8
175	298479	8048892	1519	14:09:13	30995.4	18	31013.4
187.5	298473.5	8048881	1519	14:09:48	31193	18.2	31211.2
200	298468	8048869	1519	14:10:17	31226.4	18	31244.4
212.5	298462.5	8048858	1519	14:10:40	31640.2	17.9	31658.1
225	298457	8048847	1519	14:11:48	31613.5	18.3	31631.8
237.5	298451	8048836	1515.5	14:12:31	31348.8	18.5	31367.3
250	298445	8048825	1512	14:13:44	30611.7	18.7	30630.4
262.5	298439	8048814	1512.5	14:14:24	30967.8	18.7	30986.5
275	298433	8048803	1513	14:15:01	31249.1	18.3	31267.4
287.5	298427	8048792	1514	14:16:38	31712.3	19.2	31731.5
300	298421	8048780	1515	14:18:07	33163.5	19.1	33182.6

LINE 19E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298599	8049006	1538	15:02:27	30826	18.35	30844.35
12.5	298593.5	8048994	1537	15:01:38	30807	19.55	30826.55
25	298588	8048983	1536	15:00:58	30811.9	17.4	30829.3
37.5	298581.5	8048969	1535	14:59:31	30840.1	17.7	30857.8
50	298575	8048956	1534	14:58:43	30952.2	17.7	30969.9
62.5	298568.5	8048946	1533	14:58:00	30453	17.9	30470.9
75	298562	8048935	1532	14:58:00	30703.1	17.3	30720.4
87.5	298556	8048925	1531	14:57:32	30740.4	18.4	30758.8
100	298550	8048915	1530	14:57:02	30744.6	19	30763.6
112.5	298544	80488905	1528	14:56:00	30682.4	18.2	30700.6
125	298538	8048895	1526	14:55:19	30689.2	19	30708.2
137.5	298532	8048885	1526	14:53:30	30765	18.9	30783.9
150	298526	8048874	1526	14:52:30	30810.8	18.7	30829.5
162.5	298520	8048864	1526	14:52:10	30735.7	18.1	30753.8
175	298514	8048853	1526	14:34:01	30778.5	16.7	30795.2
187.5	298508	8048843	1524.5	14:32:09	30829.7	17.35	30847.05
200	298502	8048832	1523	14:31:28	30906.9	16.5	30923.4
212.5	298495.5	8048822	1523	14:30:42	31679.6	17.7	31697.3
225	298489	8048811	1523	14:29:38	31880.9	17.55	31898.45
237.5	298482.5	8048801	1520	14:28:13	31019.7	18	31037.7
250	298476	8048790	1517	14:27:00	30406.6	17.3	30423.9
262.5	298469	8048779	1516	14:26:26	30494.8	17.45	30512.25
275	298462	8048767	1515	14:25:49	30731.7	18	30749.7
287.5	298457	8048757	1517	14:24:56	31157.9	19	31176.9
300	298452	8048747	1519	14:23:53	33040.6	18.4	33059
312.5	298447	8048737	1519	14:22:39	33467.8	18.5	33486.3

LINE 21E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298693	8048968	1538	15:04:48	30929.1	17.5	30946.6
12.5	298686	8048956	1538	15:05:43	30852.3	18.7	30871
25	298679	8048944	1538	15:06:36	30902.1	18.5	30920.6
37.5	298672.5	8048934	1537	15:06:56	30916.5	18.2	30934.7
50	298666	8048923	1536	15:07:19	30982.1	18.15	31000.25
62.5	298660	8048913	1536	15:07:49	31032.9	18.4	31051.3
75	298654	8048903	1536	15:08:17	30834.2	18.75	30852.95
87.5	298647.5	8048892	1535.5	15:08:49	30833.8	18.6	30852.4
100	298641	8048881	1535	15:09:21	30803.4	17.9	30821.3
112.5	298634	8048871	1534.5	15:10:32	31590.8	18	31608.8
125	298627	8048862	1534	15:12	30696.4	17.2	30713.6
137.5	298620	8048852	1534.5	15:13:09	26785.6	17.9	26803.5
150	298613	8048842	1535	15:13:51	30345.9	18.1	30364
162.5	298607	8048833	1534.5	15:14:41	31666.7	18.8	31685.5
175	298601.5	8048821	1534	15:15:31	31198.1	18.6	31216.7
187.5	298595	8048811	1534.5	15:16:11	31111.9	19.3	31131.2
200	298588	8048801	1535	15:17:09	30888.5	19.15	30907.65
212.5	298582	8048792	1533	15:17:40	30573.6	19.55	30593.15
225	298577	8048782	1531	15:18:29	29902.2	19.1	29921.3
237.5	298569	8048772	1538	15:19:15	29519	18.55	29537.55
250	298562	8048762	1545	15:23:16	29374.6	18.65	29393.25
262.5	298555	8048753	1534	15:24:15	29449.7	17.1	29466.8
275	298548	8048744	1523	15:25:12	28871.6	17	28888.6
287.5	298541	8048735	1523	15:25:56	29002.1	17.55	29019.65
300	298534	8048725	1523	15:26:53	27200.7	17.65	27218.35

LINE 22E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298736	8048943	1542	15:53:27	30946	17	30963
12.5	298730	8048934	1540.5	15:52	30827.9	16.6	30844.5
25	298724	8048924	1539	15:51:33	30838.7	9.5	30848.2
37.5	298716	8048912	1542.5	15:51:06	30913.9	18.4	30932.3
50	298708	8048900	1546	15:49:59	31847.5	16.5	31864
62.5	298700.5	8048890	1551.5	15:48:13	31772.3	15.5	31787.8
75	298693	8048879	1557	15:47:33	30626.8	14.8	30641.6
87.5	298685.5	8048867	1564.5	15:47:05	30776.6	15	30791.6
100	298678	8048855	1572	15:46:31	30762.4	14.6	30777
112.5	298670	8048844	1572	15:45:49	30815.4	15.6	30831
125	298662	8048832	1572	15:45:24	30759.8	15.8	30775.6
137.5	298655	8048821	1572.5	15:44:59	30664.7	16.1	30680.8
150	298648	8048809	1573	15:44:22	30806	15.6	30821.6
162.5	298642.5	8048800	1569.5	15:43:36	31013.3	16.25	31029.55
175	298637	8048791	1566	15:41:41	30958.3	17.1	30975.4
187.5	298629	8048782	1551	15:41:09	31548.7	16.85	31565.55
200	298621	8048772	1536	15:40:32	31402.6	16.6	31419.2
212.5	298613.5	8048761	1534	15:39:29	33240.5	16.6	33257.1
225	298606	8048750	1532	15:38:16	29889.7	17.25	29906.95
237.5	298598.5	8048740	1530	15:35:17	29926.4	11.6	29938
250	298591	8048730	1528	15:34:44	29977	17.2	29994.2
262.5	298582.5	8048720	1527	15:33:57	30199.9	18	30217.9
275	298574	8048710	1526	15:33:29	30256.7	17.6	30274.3
287.5	298564	8048692	1526	15:32:27	30116.5	18.1	30134.6

LINE 23E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298773	8048909	1542	15:56:07	30752.3	16.8	30769.1
12.5	298768.5	8048902	1541	15:56:43	30826.1	17.1	30843.2
25	298764	8048894	1540	15:57:22	30849.9	18.45	30868.35
37.5	298759.5	8048887	1540	15:58:08	30896.9	16.5	30913.4
50	298755	8048879	1540	15:58:31	31039.2	18	31057.2
62.5	298748.5	8048869	1539.5	15:59:05	30793.3	18.75	30812.05
75	298742	8048858	1539	15:59:30	30785.5	18.3	30803.8
87.5	298736	8048848	1538.5	16:00:15	30800.9	17.8	30818.7
100	298730	8048837	1538	16:00:56	30772.8	17.5	30790.3
112.5	298724	8048827	1539	15:01:18	30875.2	18	30893.2
125	298718	8048817	1540	15:01:43	30808.8	18.5	30827.3
137.5	298712	8048807	1540	15:02:12	31092.5	16.9	31109.4
150	298706	8048798	1540	15:02:47	30660.9	17.1	30678
162.5	298700	8048789	1540	15:03:40	31112.3	17.9	31130.2
175	298693	8048778	1540	15:04:44	31356	17.9	31373.9
187.5	298686.5	8048767	1540.5	15:06:30	31737.2	18.1	31755.3
200	298680	8048756	1541	15:07:31	31689.1	18.5	31707.6
212.5	298673.5	8048745	1540.5	15:08:05	30436.6	18.75	30455.35
225	298667	8048734	1540	15:08:38	30576.4	19	30595.4
237.5	298661	8048723	1538.5	15:09:06	30354.1	19	30373.1
250	298655	8048712	1537	15:09:30	30226.6	18.7	30245.3
262.5	298649	8048701	1536	15:09:56	30291.1	18.6	30309.7
275	298642	8048691	1535	15:10:56	30542.4	19	30561.4
287.5	298636	8048681	1535	15:12:13	30177.4	19.7	30197.1

LINE 24E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298823	8048898	1539	16:36:56	30815.9	26.8	30842.7
12.5	298816	8048887	1538	16:35:22	30877.8	27.75	30905.55
25	298809	8048875	1537	16:34:49	30864.8	27.5	30892.3
37.5	298803	8048866	1536.5	16:34:07	31490.3	27.2	31517.5
50	298797	8048857	1536	16:33	30942.9	28	30970.9
62.5	298790.5	8048847	1536.5	16:32:29	30906.5	28.3	30934.8
75	298784	8048836	1537	16:32:05	30850	27.8	30877.8
87.5	298778.5	8048828	1537	16:31:41	30793.9	28.4	30822.3
100	298773	8048820	1537	16:30:13	30863.5	22.8	30886.3
112.5	298766.5	8048810	1537	16:29:09	30735.4	23.3	30758.7
125	298760	8048799	1537	16:28:40	30837.5	23.4	30860.9
137.5	298752.5	8048788	1537.5	16:28:10	30811.8	23.7	30835.5
150	298745	8048777	1538	16:27:17	31023.9	22	31045.9
162.5	298738	8048766	1539	16:26:31	30813.1	22.4	30835.5
175	298731	8048755	1540	16:25:40	27279.3	21.8	27301.1
187.5	298725	8048743	1540	16:24:44	31678.3	21.8	31700.1
200	298717	8048730	1540	16:23:20	30604.6	21.7	30626.3
212.5	298710	8048720	1540.5	16:22:36	31480.6	21.4	31502
225	298704	8048710	1541	16:22:04	30600.1	21.3	30621.4
237.5	298699	8048700	1540	16:21:26	30363.6	21	30384.6
250	298692	8048691	1539	16:20:00	30482.6	20.8	30503.4
262.5	298685	8048681	1538.5	16:18:26	30420.9	20.7	30441.6
275	298681	8048671	1538	16:16:24	31422.1	18.5	31440.6
287.5	298677	8048661	1538	16:15:11	32056.3	18.35	32074.65

LINE 25E

Station Position (m)	Easting (m)	Northing (m)	Elevation (m)	Average Time (hrs)	Raw Mag. Reading (nT)	Diurnal correction (nT)	Corrected Reading (nT)
0	298874	8048867	1534	16:38	30884.6	27.3	30911.9
12.5	298867	8048861	1533.5	16:39:15	30850.8	26.8	30877.6
25	298860	8048854	1533	16:39:49	30820	26.1	30846.1
37.5	298853.5	8048845	1533	16:40:25	30876.9	26.6	30903.5
50	298847	8048835	1533	16:41:15	30888.7	26.15	30914.85
62.5	298839.5	8048824	1533.5	16:41:35	30898.9	25.9	30924.8
75	298832	8048812	1534	16:42:08	30803.1	26.8	30829.9
87.5	298829	8048804	1534	16:42:28	30753	26.5	30779.5
100	298826	8048796	1534	16:43:11	30783.8	26.1	30809.9
112.5	298818.5	8048785	1534.5	16:43:42	30748.3	25.5	30773.8
125	298811	8048773	1535	16:44:07	30796.3	25.3	30821.6
137.5	298798.5	8048756	1535.5	16:45:12	30862.5	23.65	30886.15
150	298786	8048739	1536	16:45:59	30886.6	23.4	30910
162.5	298781.5	8048730	1536.5	16:47:36	31147.3	22.6	31169.9
175	298777	8048721	1537	16:48:34	30851.8	23.3	30875.1
187.5	298771	8048711	1537.5	16:49:52	30560.1	24.7	30584.8
200	298765	8048700	1538	16:51:03	30684.3	25	30709.3
212.5	298759.5	8048690	1538	16:51:43	30522.2	24.7	30546.9
225	298754	8048679	1538	16:52:19	30541.6	24.9	30566.5
237.5	298747.5	8048668	1537.5	16:52:49	30405.2	25	30430.2
250	298741	8048657	1537	16:54:00	30028.7	25.5	30054.2
262.5	298734.5	8048646	1537	16:54:54	30519.9	25.1	30545
275	298728	8048635	1537	16:55:25	30782.2	24.8	30807

Results for the magnetic storm at a fixed station.

Average Time (hrs)	Total field (nT)
13:32:32	25572.5
13:32:59	20963.7
13:33:44	20828.7
13:34:01	21648.3
13:34:13	21013.9
13:34:22	26033.5
13:34:32	19642.3
13:34:41	22583.1
13:34:50	22812.6
13:34:57	21159.9
13:35:26	19950.7
13:35:35	20239
13:35:43	22939.5
13:36:10	20937.9
13:36:23	22877.3
13:36:35	23586.7
13:36:47	23163.3
13:36:59	19611.8
13:37:20	16800.4
13:37:33	21197.9
13:37:46	20146
13:37:54	26742.9
13:38:02	23496
13:38:09	25049.2
13:38:20	23837.3
13:38:30	21257.8
13:38:38	23500.1
13:39:01	19822.5
13:39:26	19186.1
13:39:35	24761.1
13:39:46	21017.1
13:39:56	24968.4
13:40:05	18735
13:40:19	21770.8
13:40:34	22343.5

Appendix B

Magnetic Data Profiles

Key

Powerline **Fence** **Telephone line**

N **S**

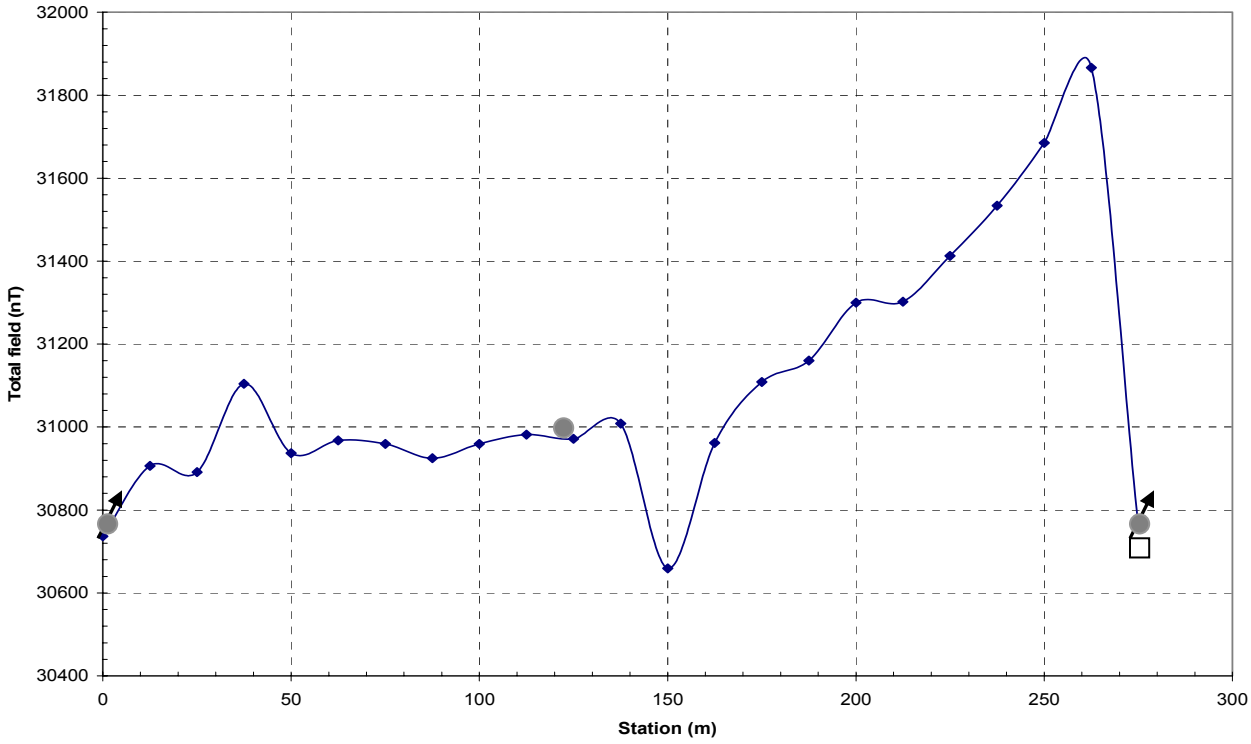

Fig. B-1 Magnetic profile for Line 1E.

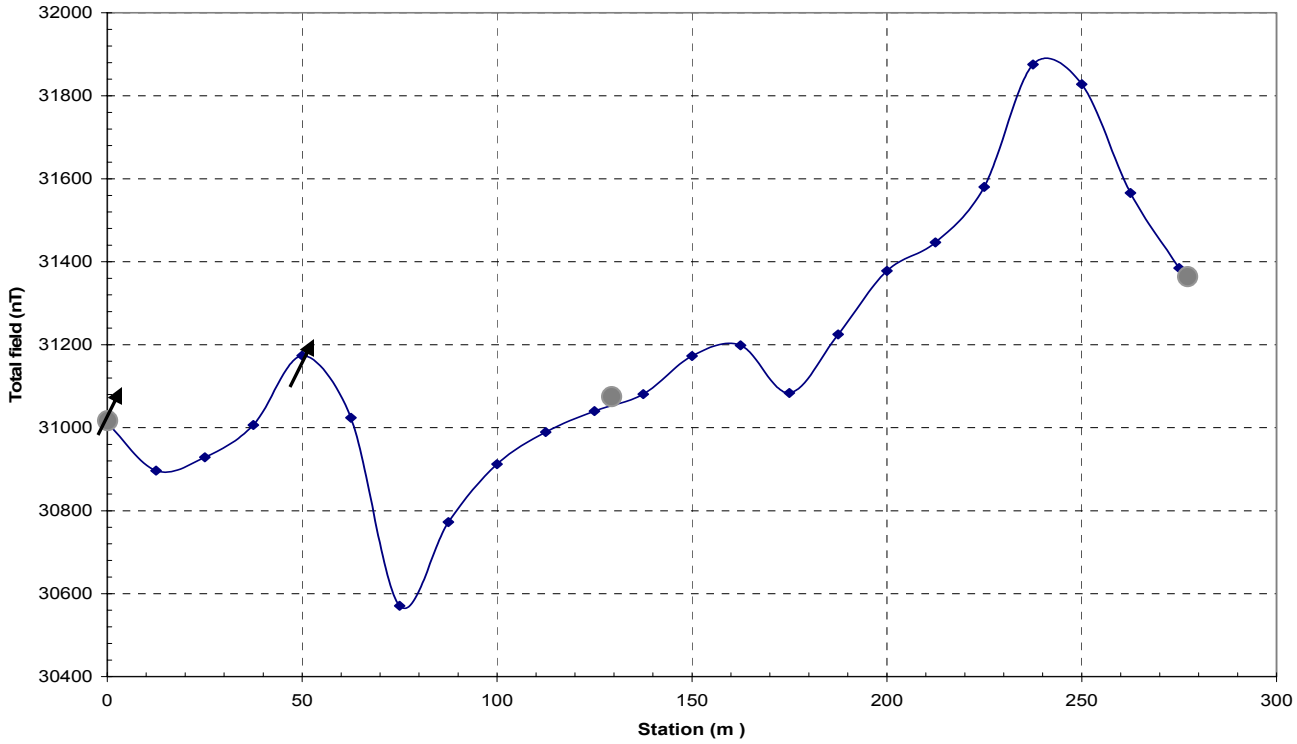

Fig. B-2 Magnetic profile for Line 2E.

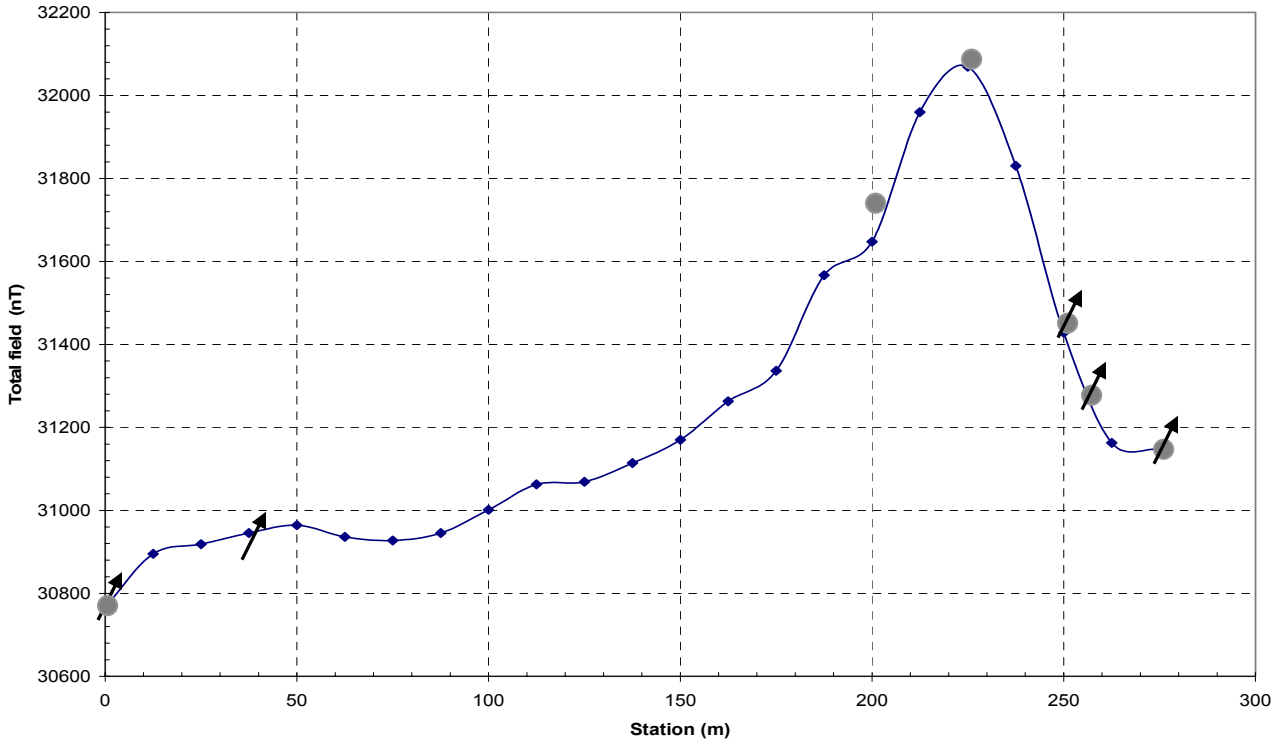

Fig. B-3 Magnetic profile for Line 3E.

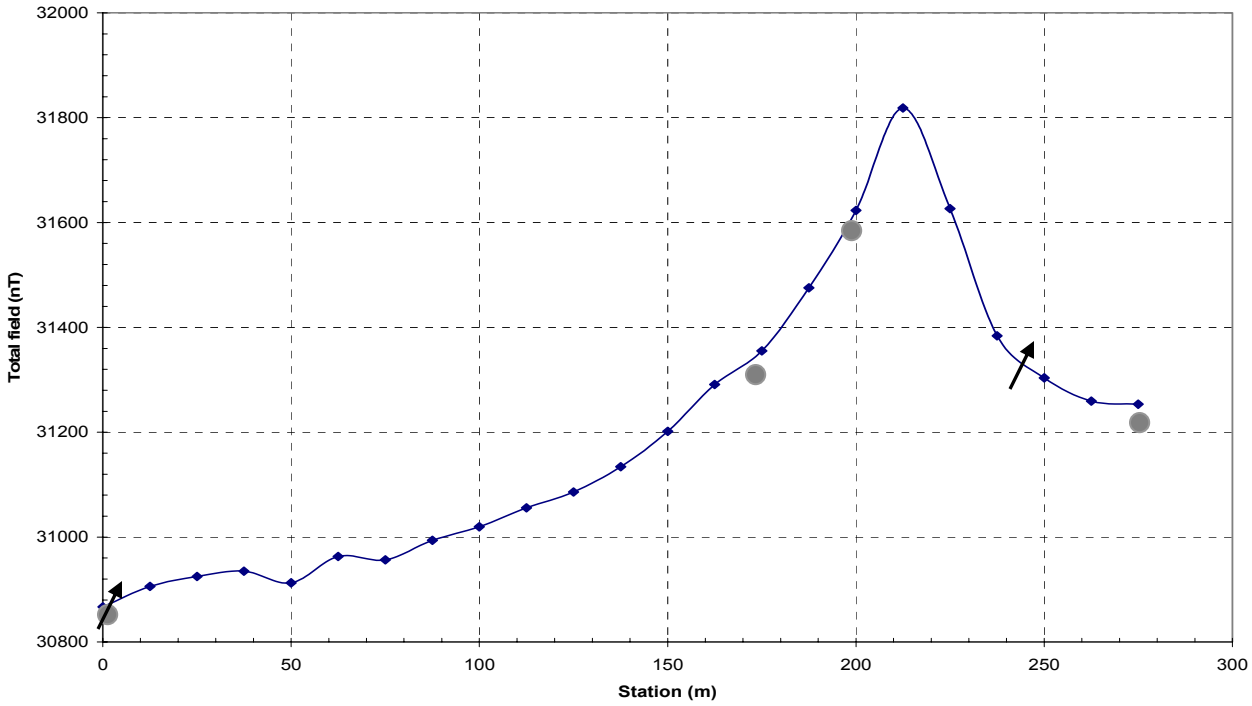

Fig. B-4 Magnetic profile for Line 4E.

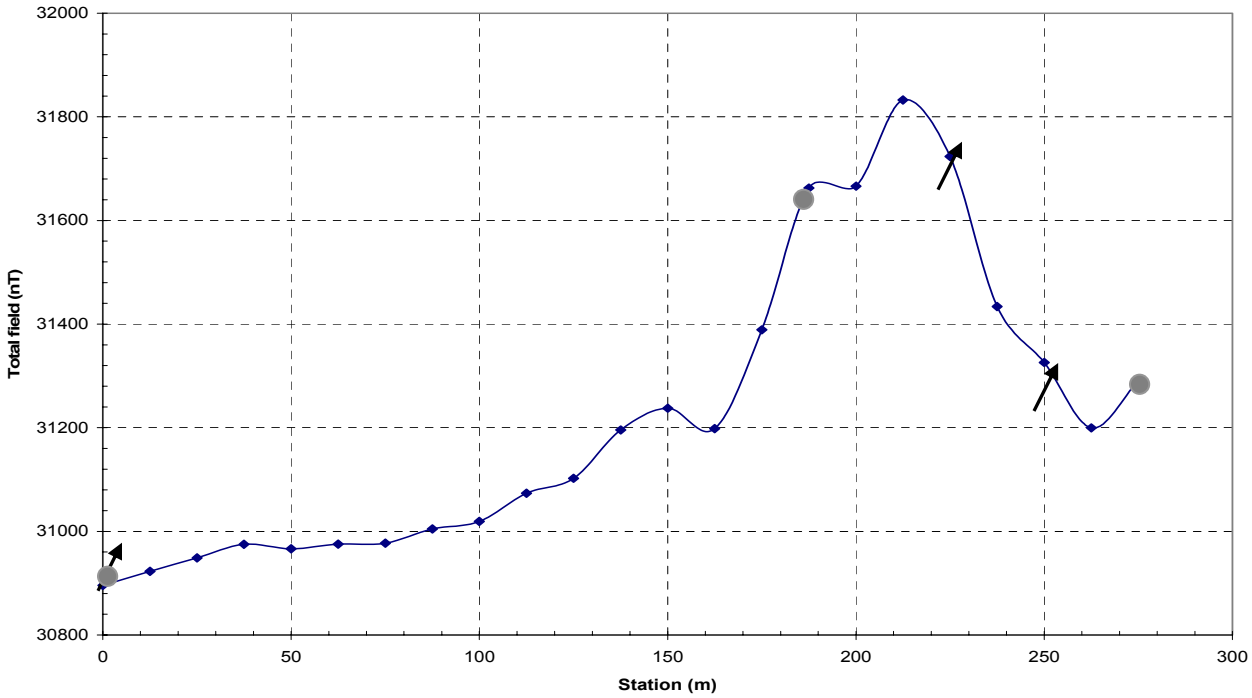

Fig. B-5 Magnetic profile for Line 5E.

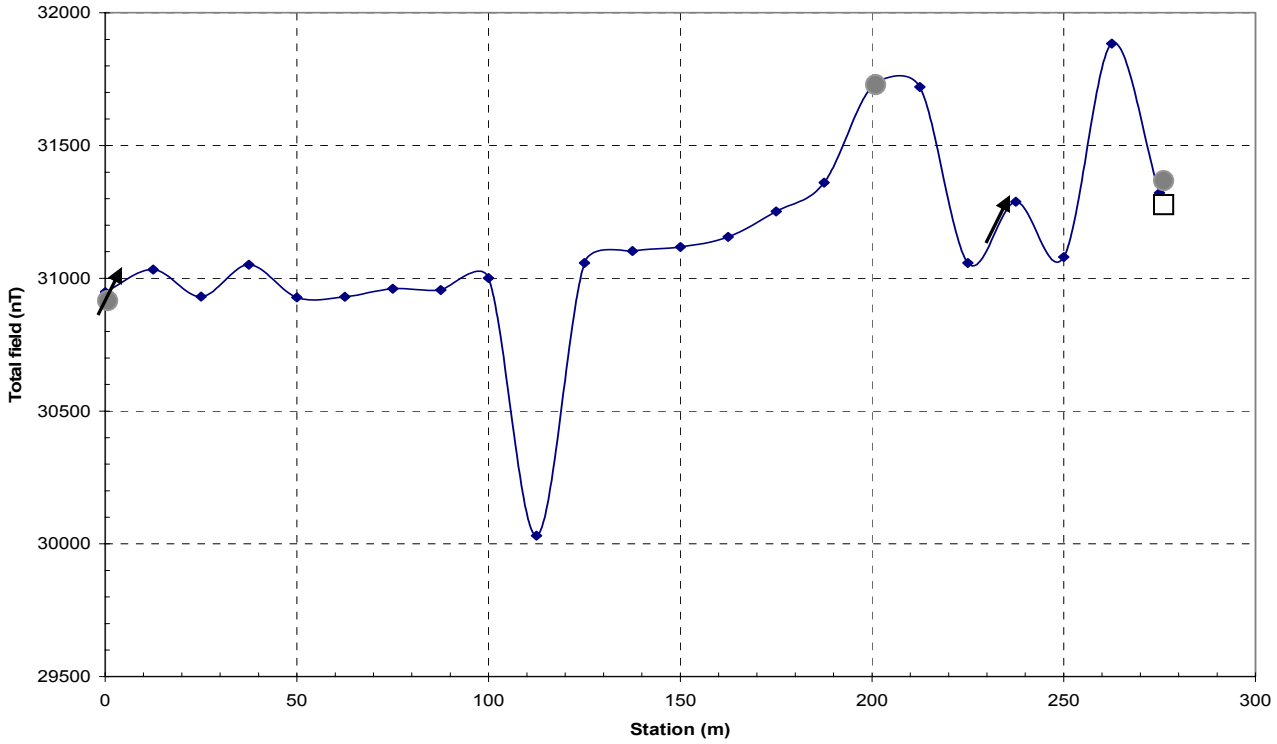

Fig. B-6 Magnetic profile for Line 6E.

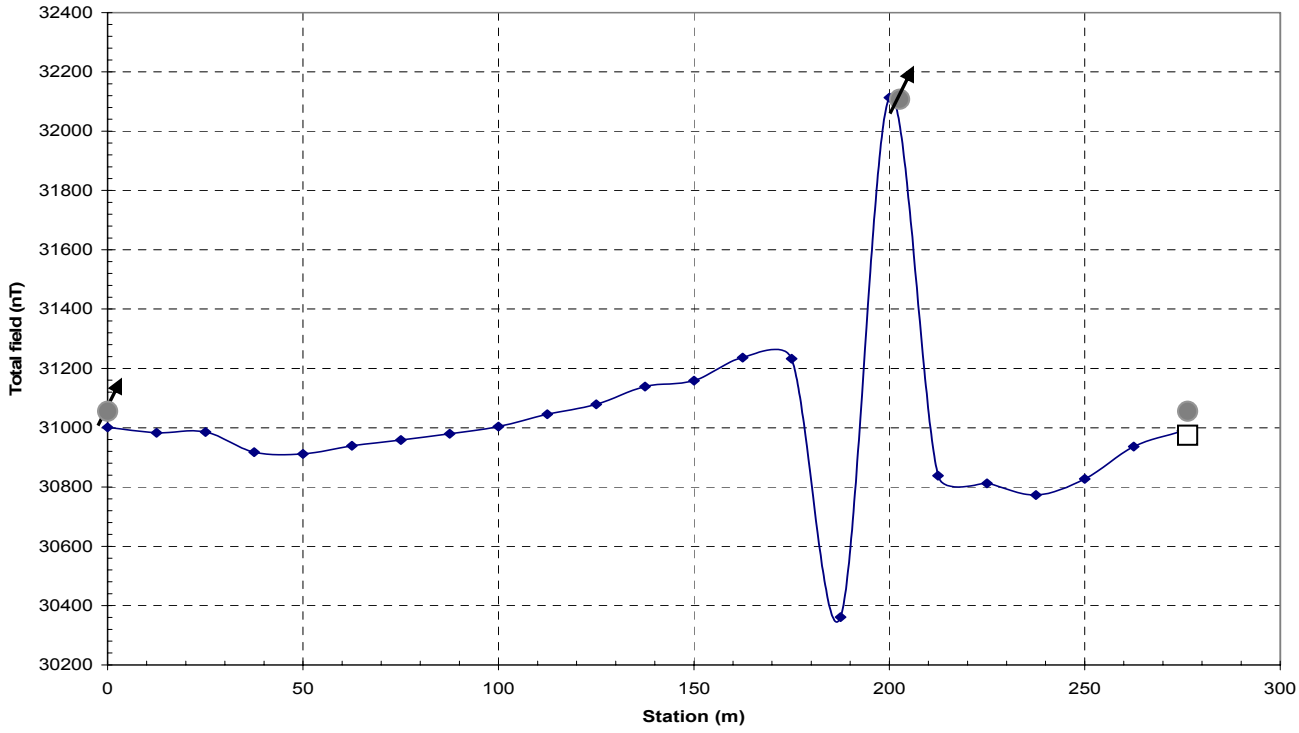

Fig. B-7 Magnetic profile for Line 7E.

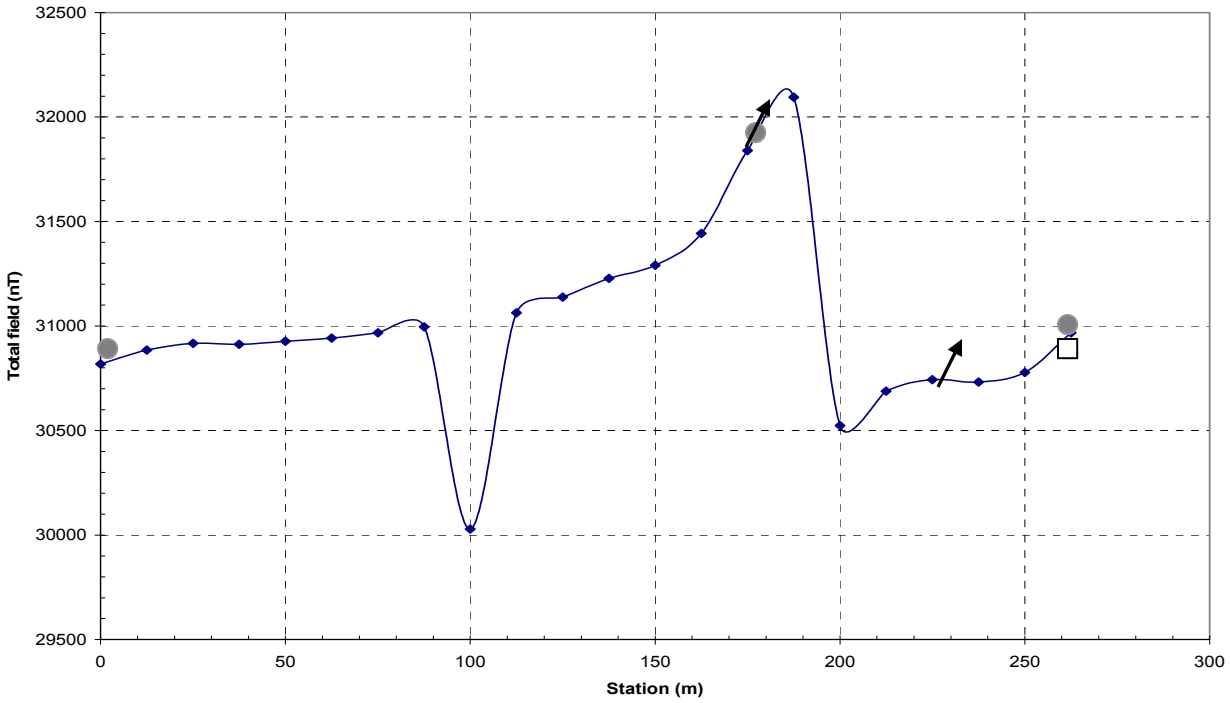

Fig. B-8 Magnetic profile for Line 8E.

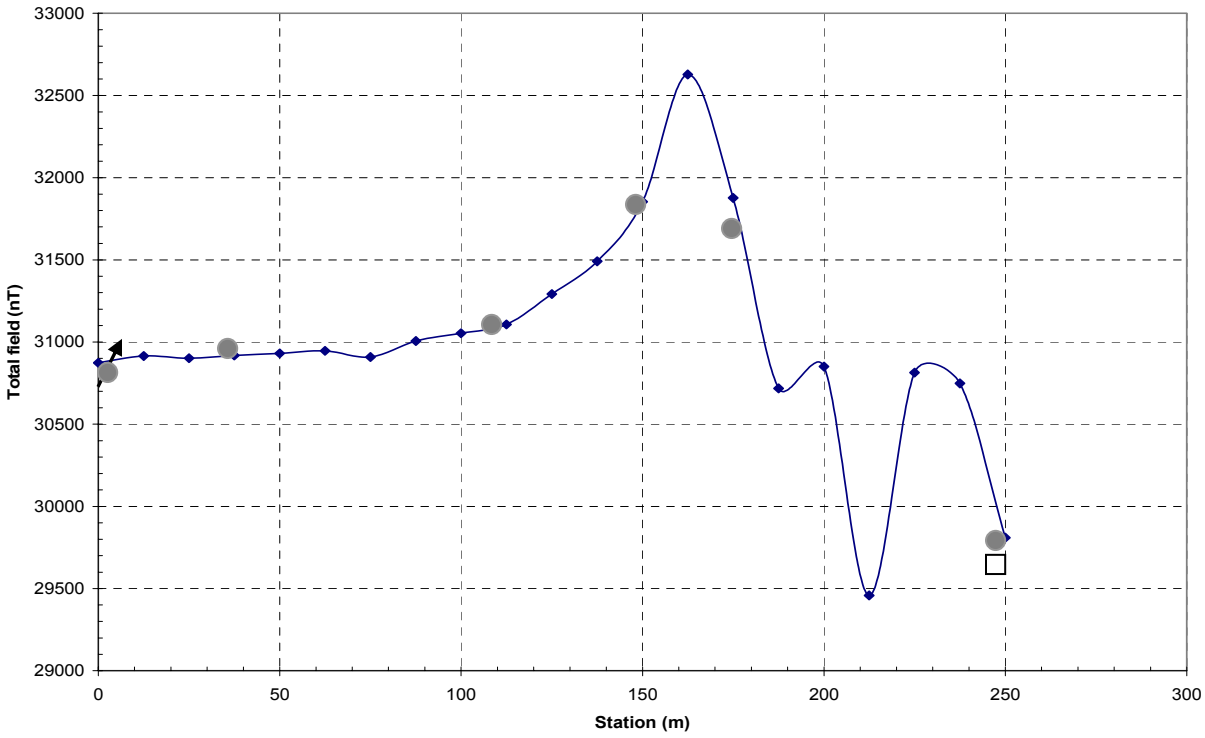

Fig. B-9 Magnetic profile for Line 9E.

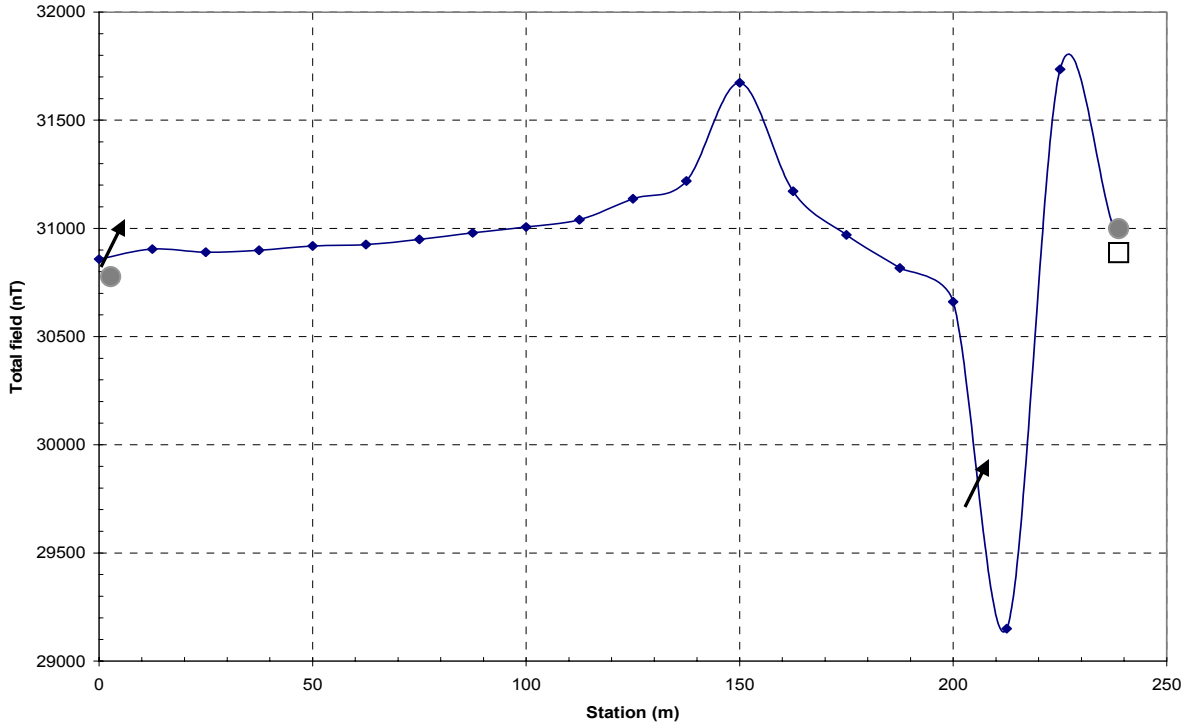

Fig. B-10 Magnetic profile for Line 10E.

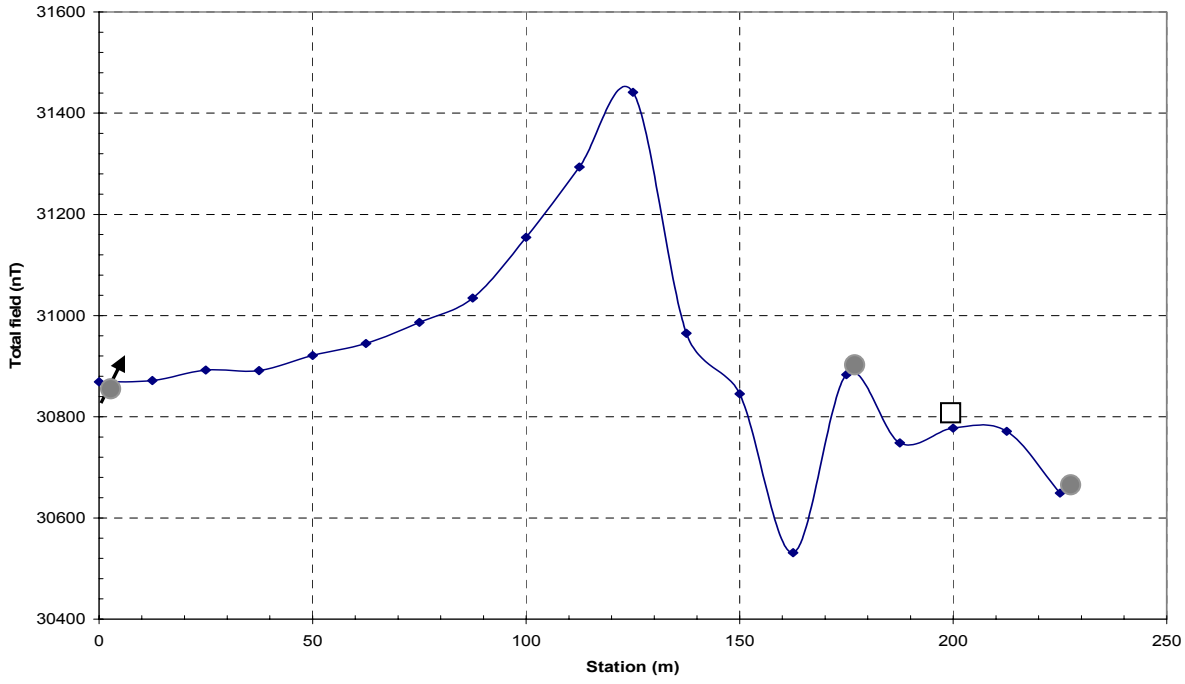

Fig. B-11 Magnetic profile for Line 11E.

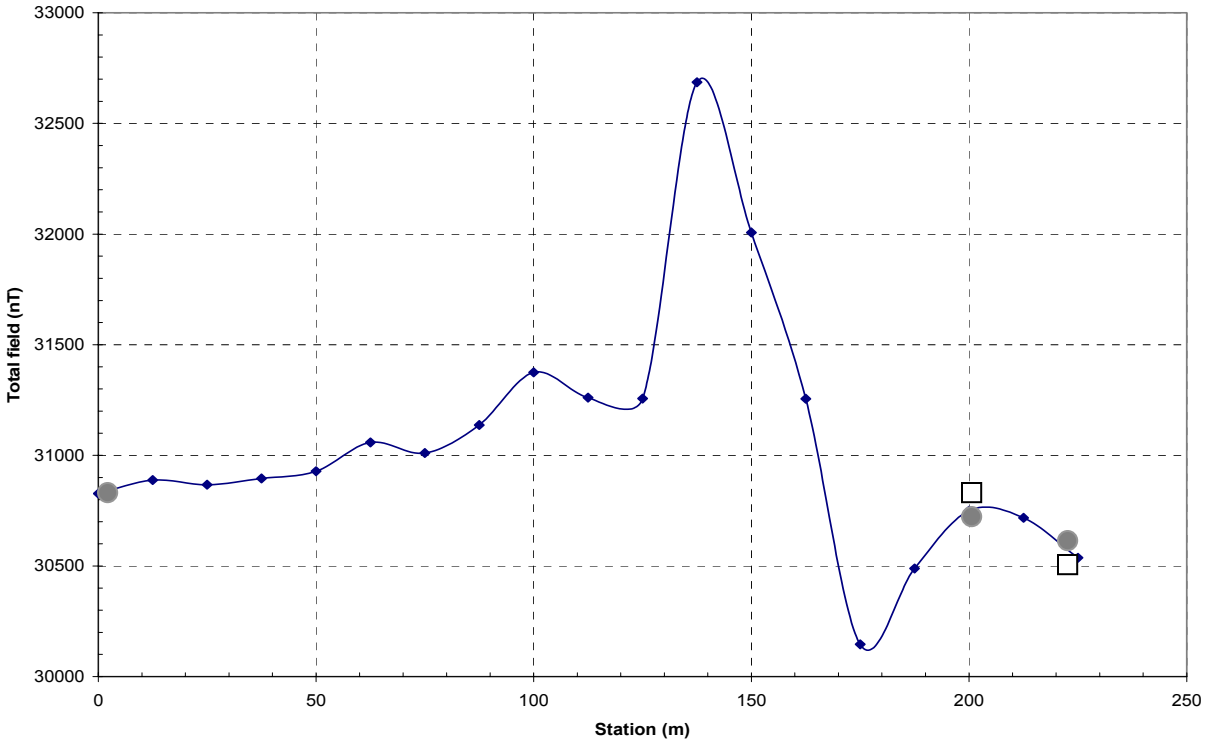

Fig. B-12 Magnetic profile for Line 12E.

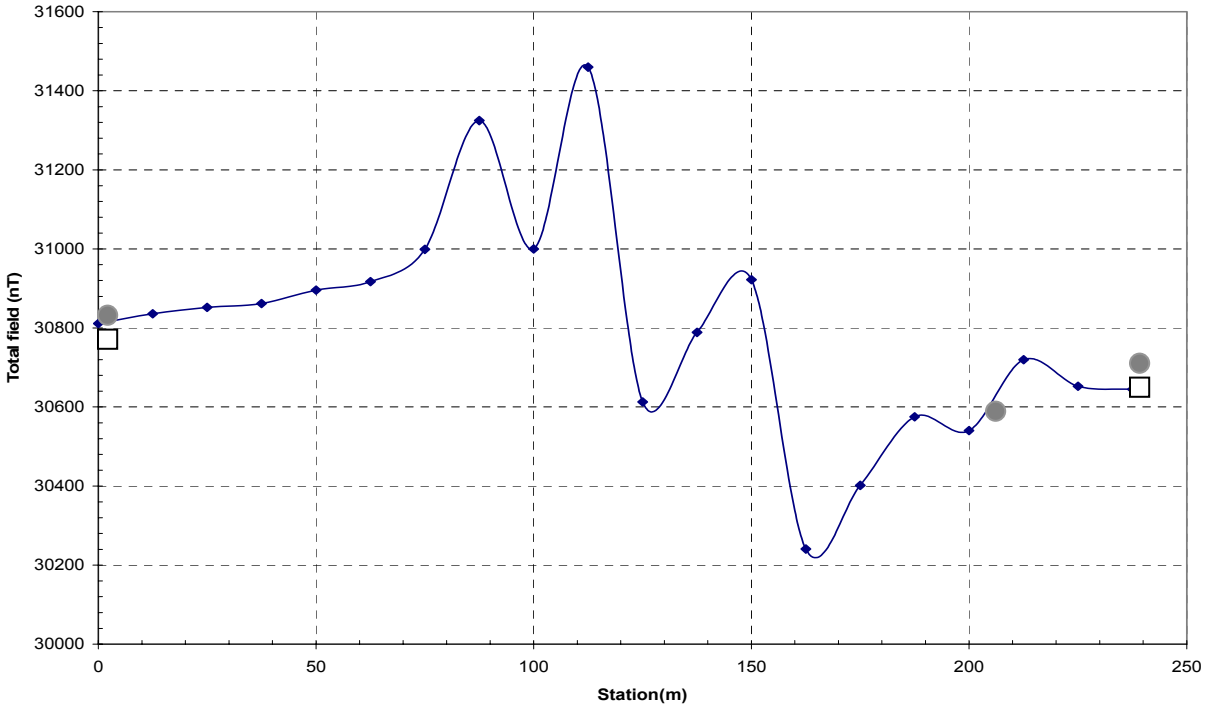

Fig. B-13 Magnetic profile for Line 13E.

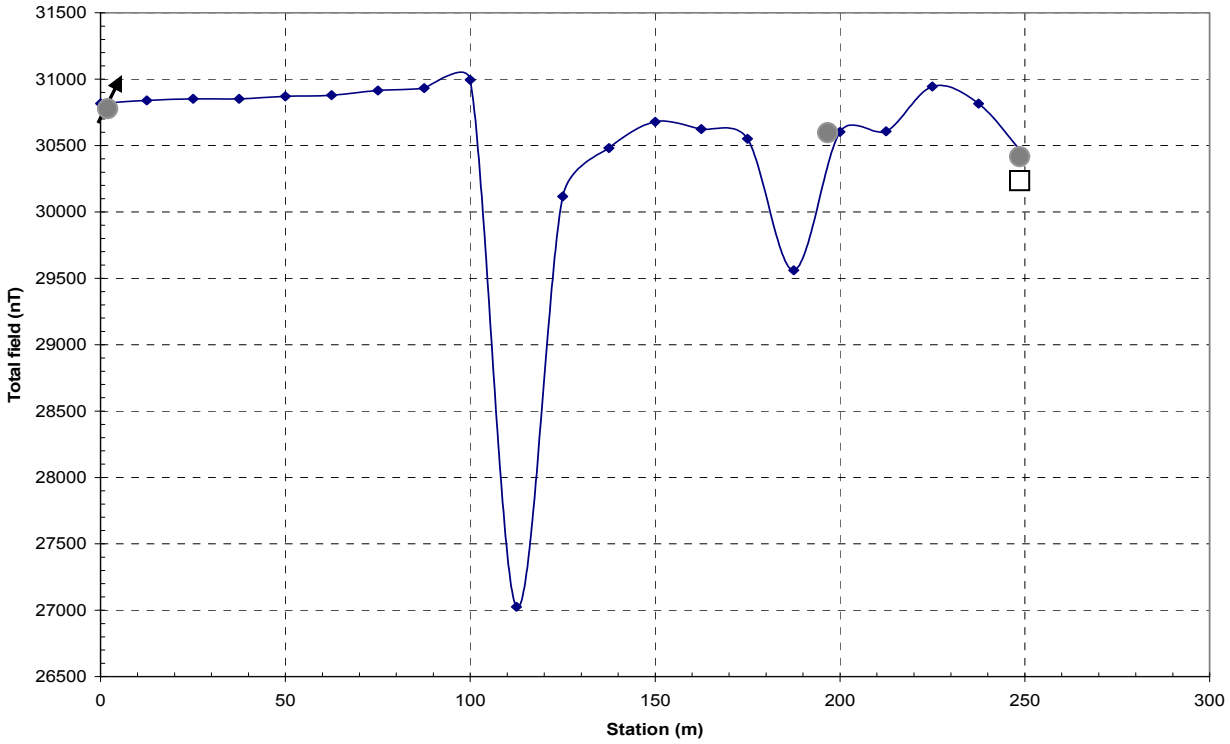

Fig. B-14 Magnetic profile for Line 14E.

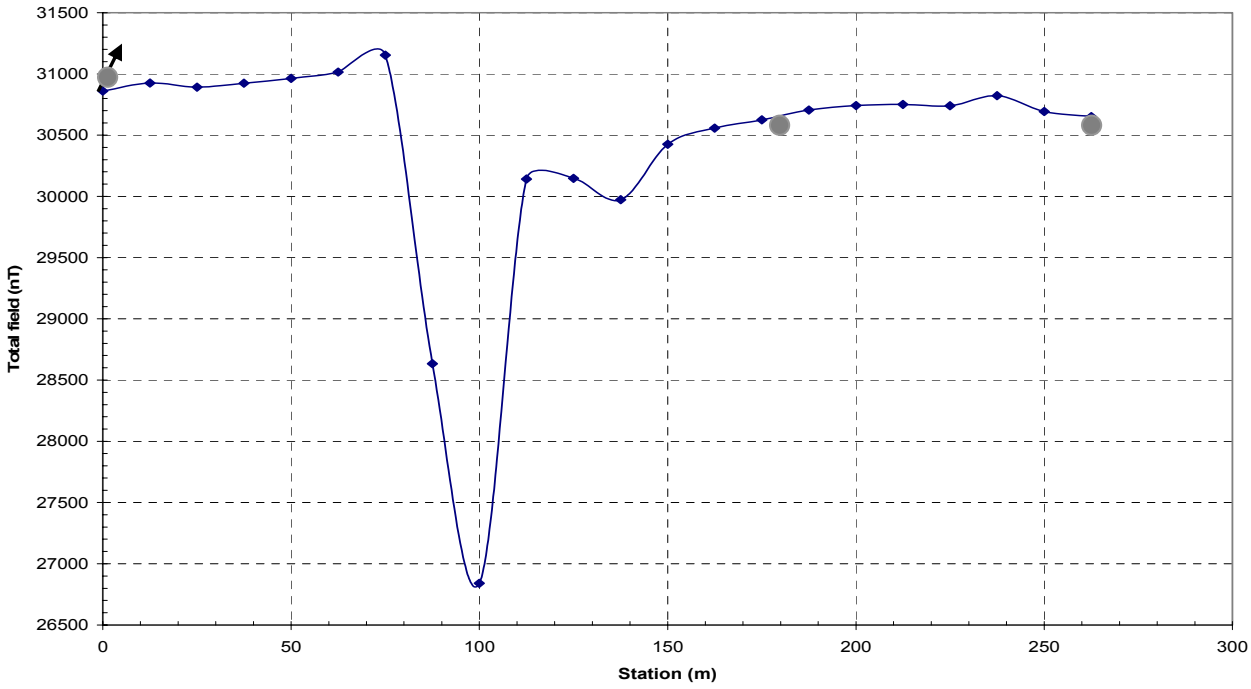

Fig. B-15 Magnetic profile for Line 15E.

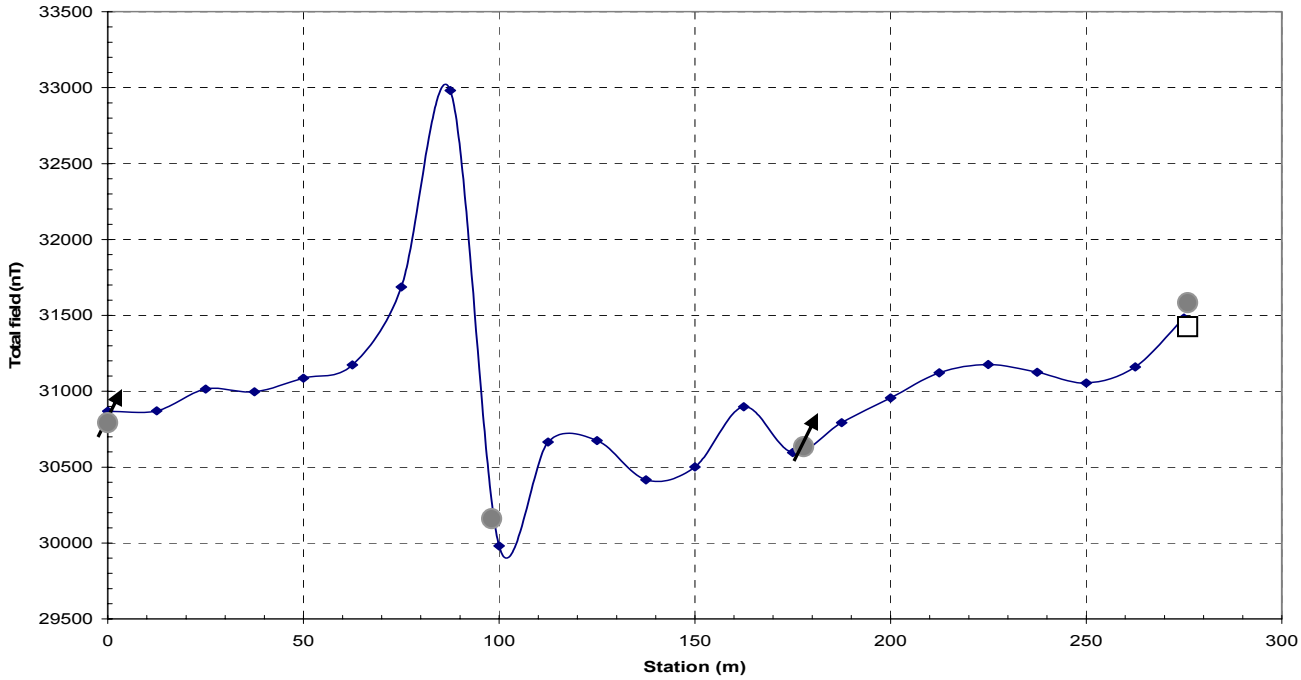

Fig. B-16 Magnetic profile for Line 16E.

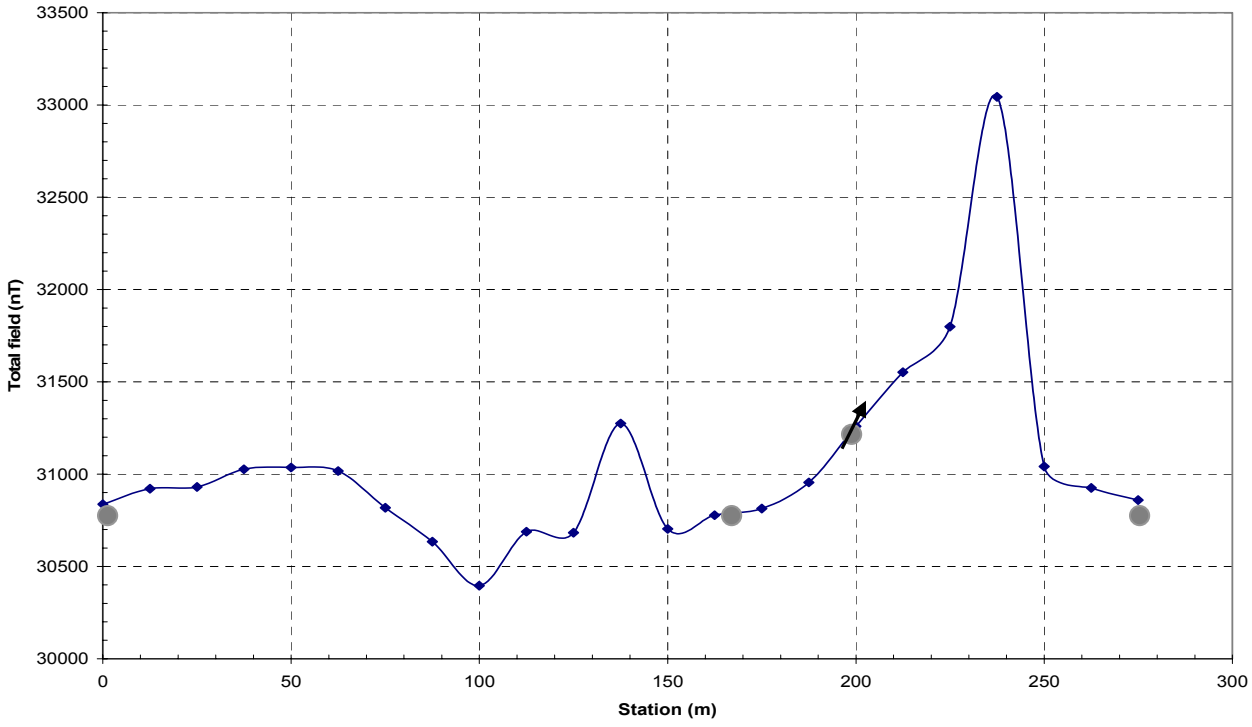

Fig. B-17 Magnetic profile for Line 17E.

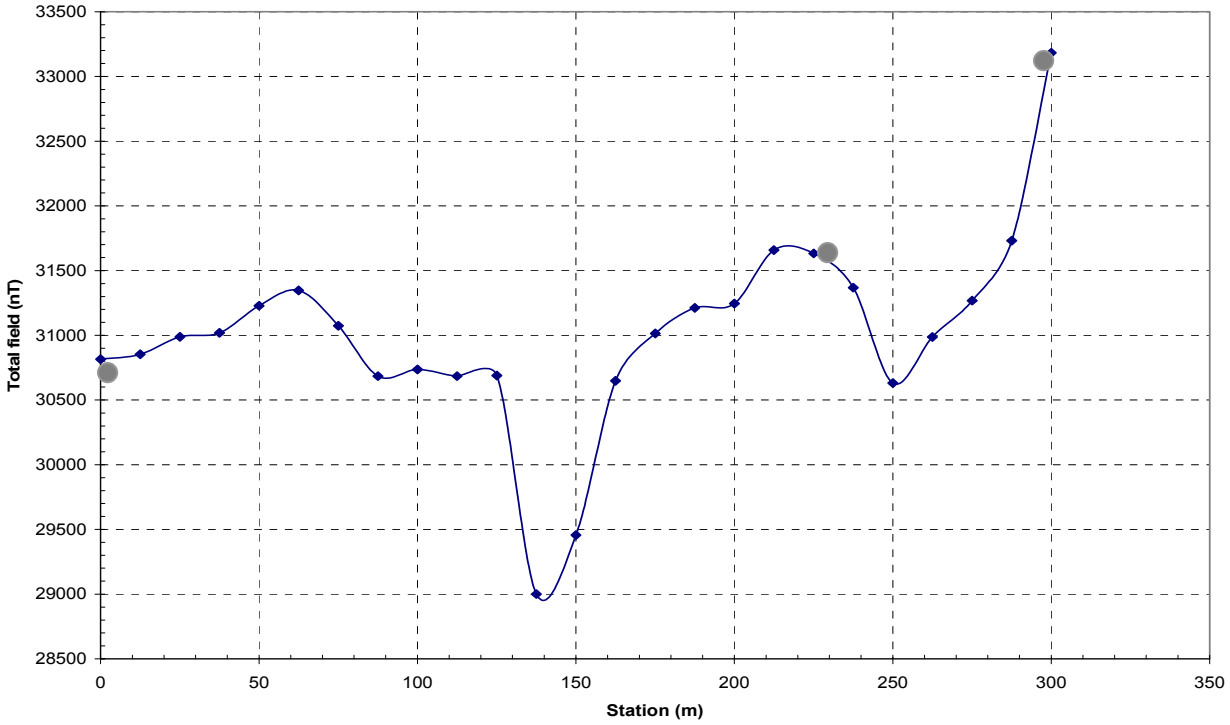

Fig. B-18 Magnetic profile for Line 18E.

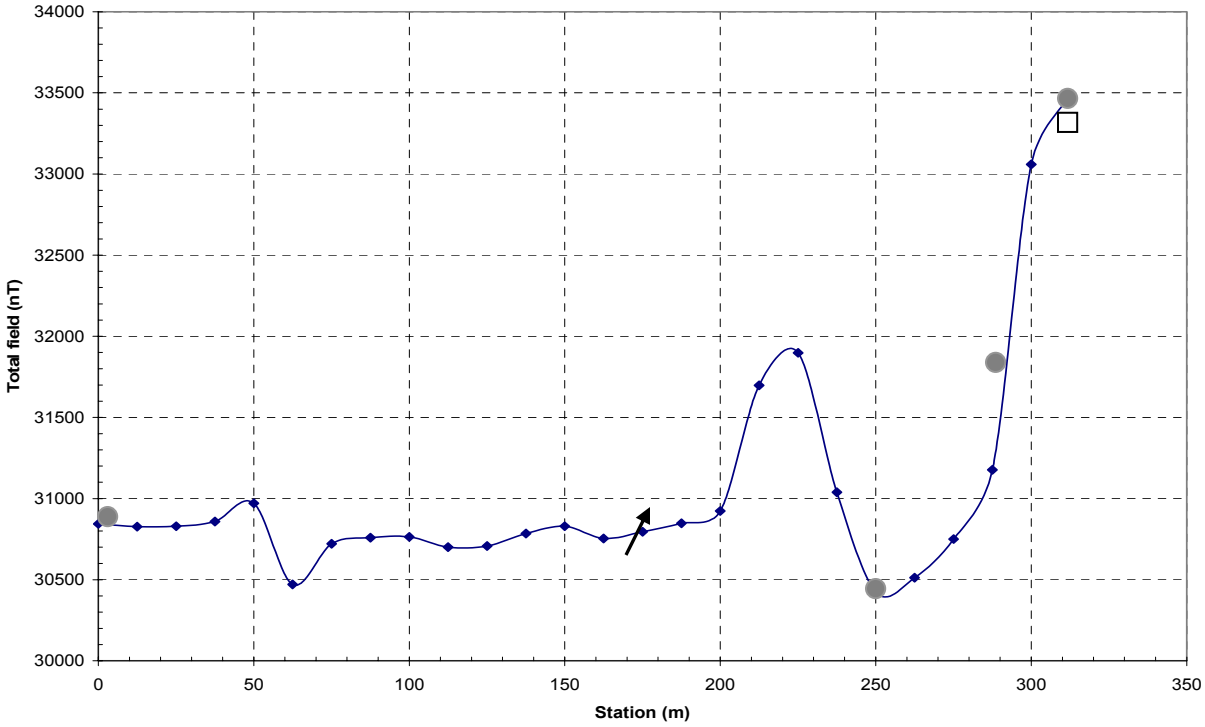

Fig. B-19 Magnetic profile for Line 19E.

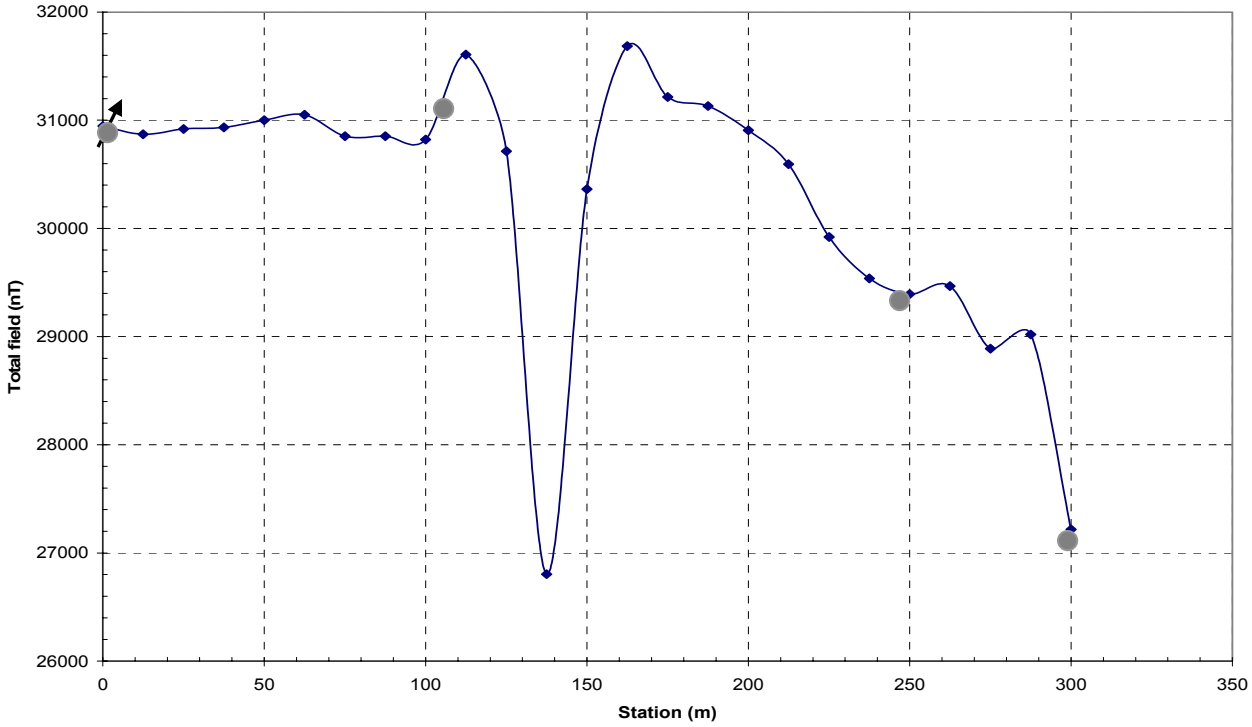

Fig. B-20 Magnetic profile for Line 21E.

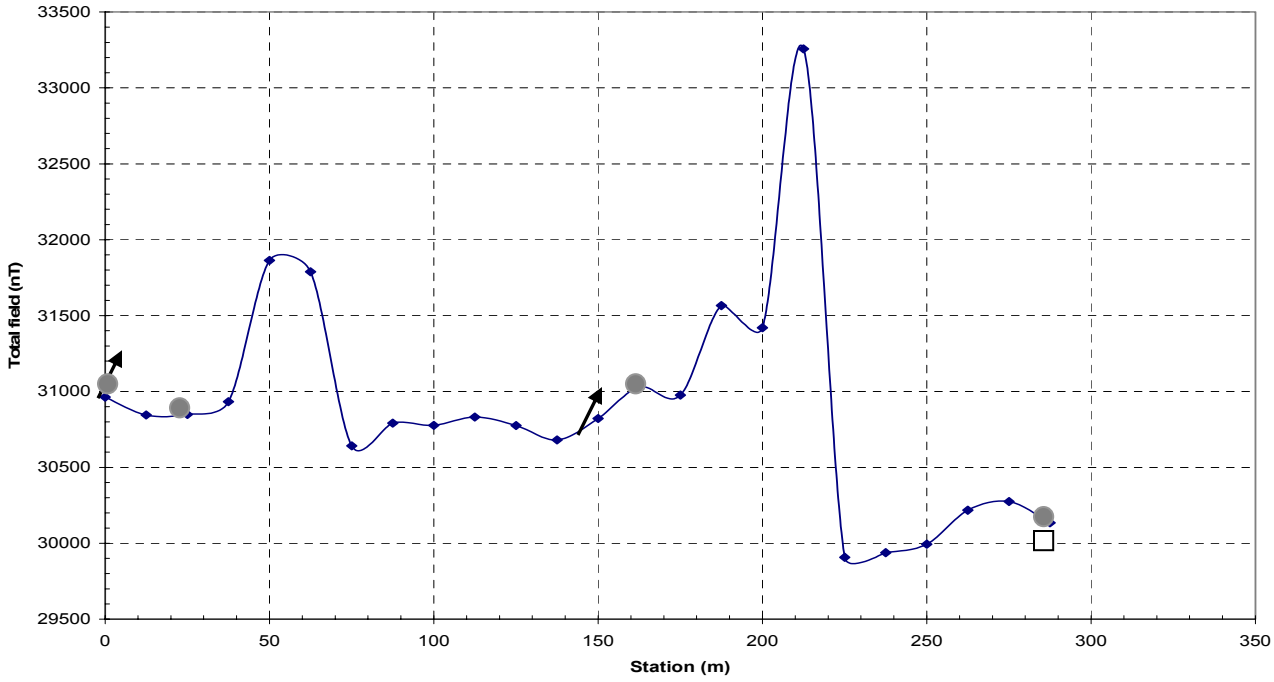

Fig. B-21 Magnetic profile for Line 22E.

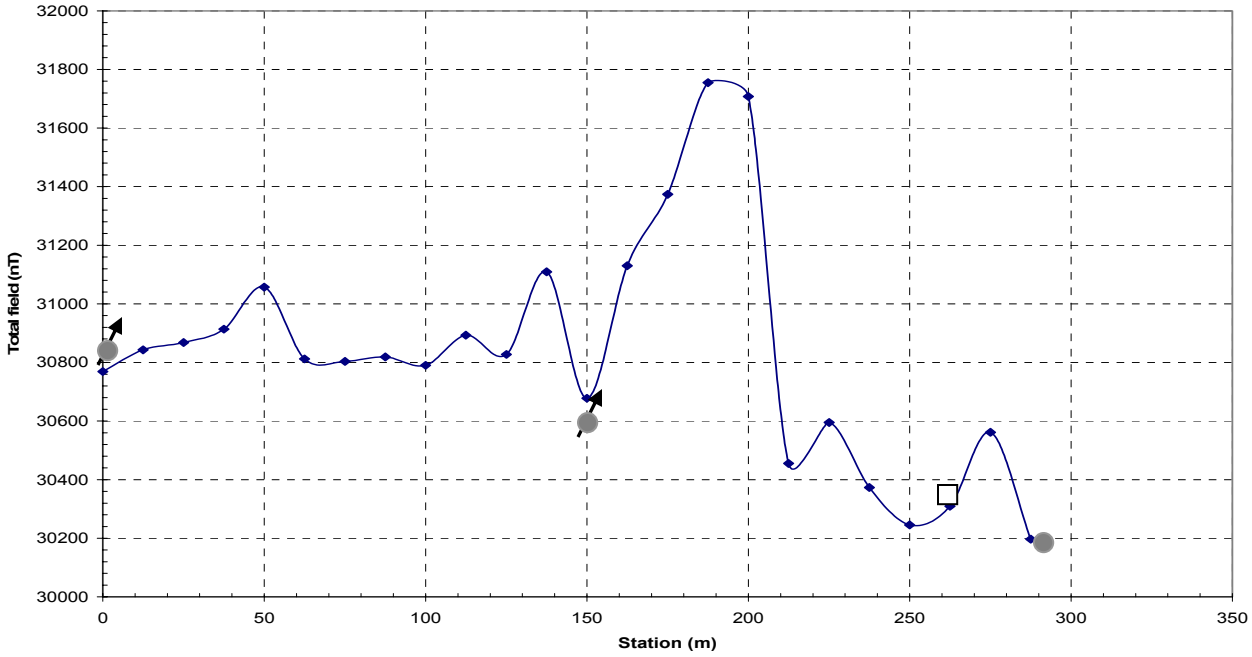

Fig. B-22 Magnetic profile for Line 23E.

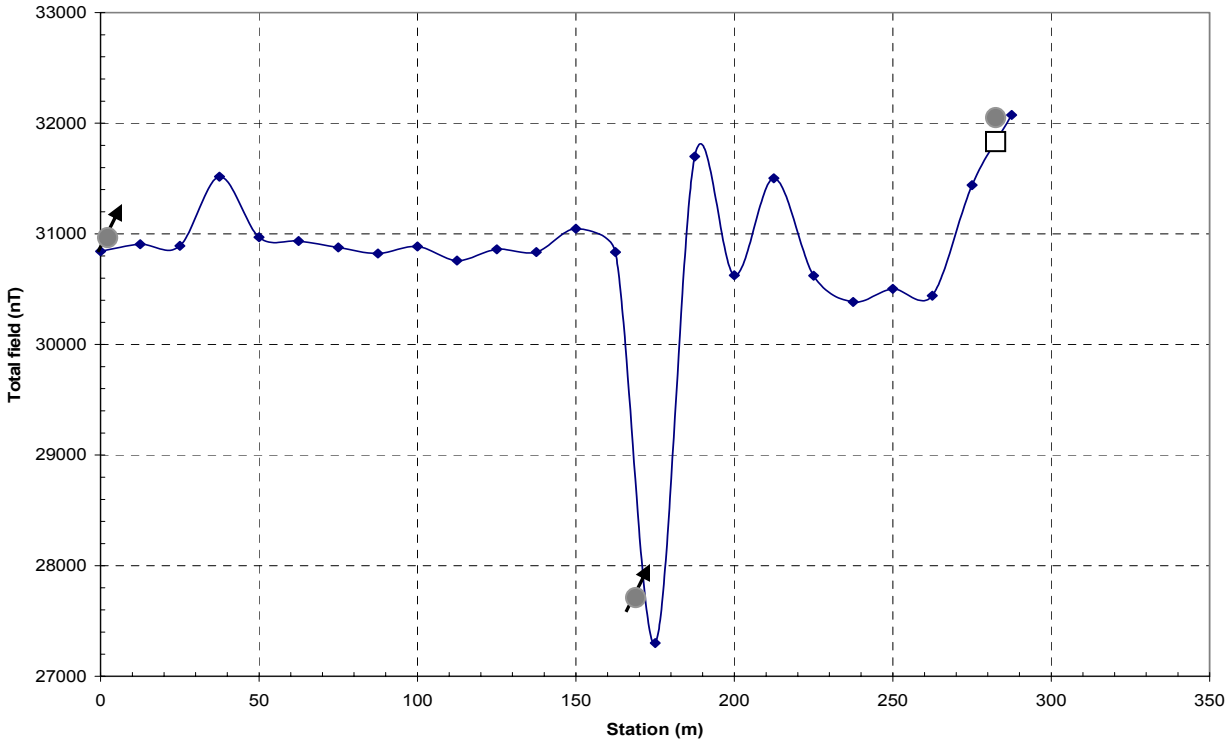

Fig. B-23 Magnetic profile for Line 24E.

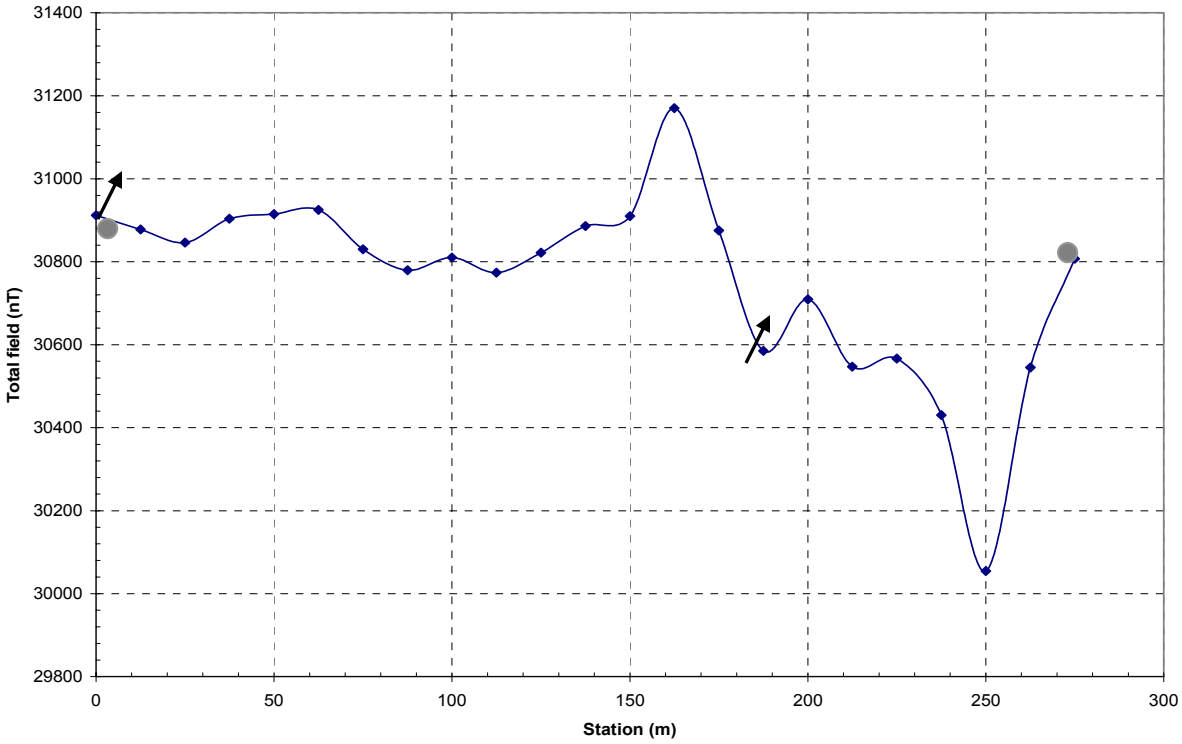

Fig. B-24 Magnetic profile for Line 25E.

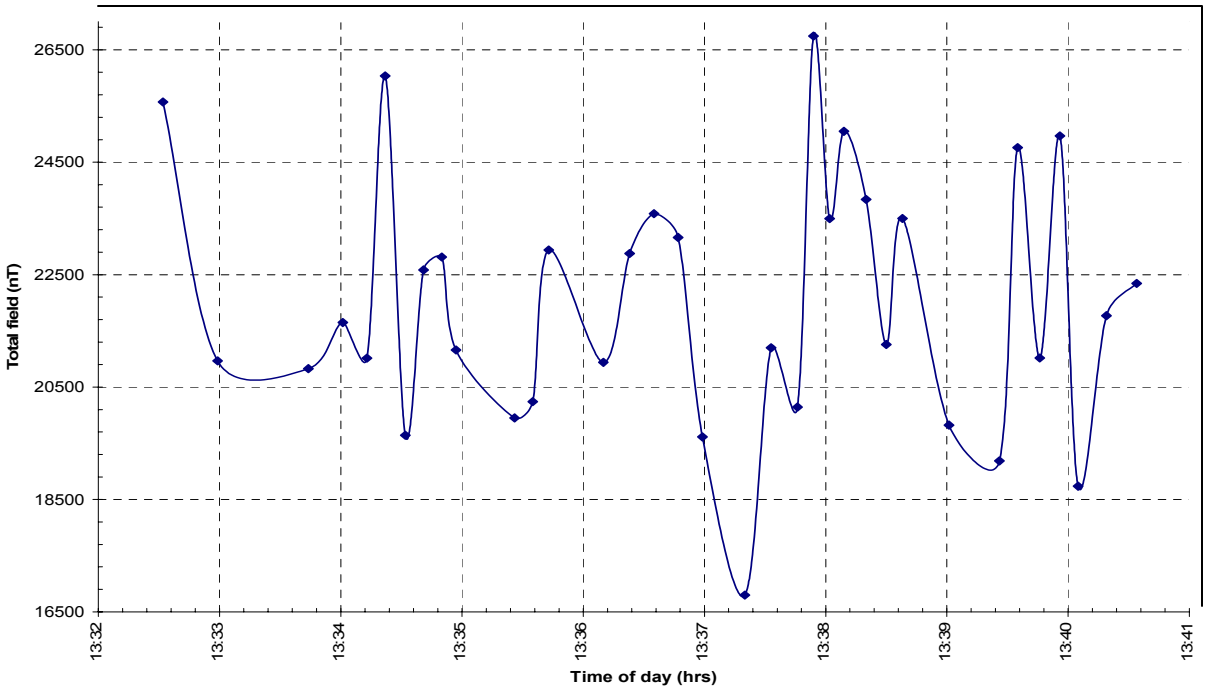

Fig. B 25 Variation of total field values during the magnetic storm on 27/06/06.

Appendix C

Induced Polarisation Field Data

/Array: Dipole Dipole: 25 Units: M

/F1Y is the position of the first current electrode.

/F2Y is the position of the second current electrode.

/M1Y is the position of the first potential electrode.

/M2Y is the position of the second potential electrode.

/IP is the average of chargeabilities M1, M2 and M3, which are measured by the receiver from the IP decay curve through multi-slice integration.

/Negative position values are conventional for the South direction and positive ones are in the North direction.

/All values are presented in sets starting from n = 1 up to n = 6 from the first down to the sixth row for every set of readings.

LINE 1E

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-50	-75	951	0.7	2.6
0	-25	-75	-100	313	0.7	6.6
0	-25	-100	-125	239	0.7	6.5
0	-25	-125	-150	182	0.7	1.4
0	-25	-150	-175	223	0.7	16.9
0	-25	-175	-200	136	0.7	12.5
-25	-50	-75	-100	597	0.5	4.9
-25	-50	-100	-125	355	0.5	4.8
-25	-50	-125	-150	242	0.5	0.4
-25	-50	-150	-175	243	0.5	15.9
-25	-50	-175	-200	120	0.5	12.4
-25	-50	-200	-225	21.2	0.5	8.9
-50	-75	-100	-125	453	0.4	2.8
-50	-75	-125	-150	367	0.4	-0.7
-50	-75	-150	-175	311	0.4	15.4
-50	-75	-175	-200	123	0.4	12
-50	-75	-200	-225	18.6	0.4	8.1
-50	-75	-225	-250	11	0.4	10.9
-75	-100	-125	-150	1004	0.6	-1.9
-75	-100	-150	-175	682	0.6	13.4
-75	-100	-175	-200	238	0.6	11.4
-75	-100	-200	-225	32.3	0.6	7.9
-75	-100	-225	-250	19.5	0.6	9.5
-75	-100	-250	-275	10.9	0.6	16.2
-100	-125	-150	-175	12100	0.4	12.1
-100	-125	-150	-175	1180	0.4	12.1
-100	-125	-175	-200	288	0.4	11.3

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-100	-125	-200	-225	25.8	0.4	5.7
-100	-125	-225	-250	16	0.4	7
-100	-125	-250	-275	10.6	0.4	11.7
-125	-150	-175	-200	1280	0.6	12.5
-125	-150	-200	-225	50.1	0.6	4.2
-125	-150	-225	-250	30.4	0.6	5.1
-125	-150	-250	-275	21.9	0.6	7
-150	-175	-200	-225	151	0.3	5.4
-150	-175	-225	-250	38.1	0.3	4.1
-150	-175	-250	-275	28.8	0.3	6.2
-175	-200	-225	-250	153	0.3	1.9
-175	-200	-250	-275	16.2	0.3	-1.2
-200	-225	-250	-275	31.7	0.7	1

LINE 2E

0	-25	-50	-75	392	0.7	1.3
0	-25	-75	-100	105	0.7	3.7
0	-25	-100	-125	57.7	0.7	2.5
0	-25	-125	-150	30	0.7	-4.7
0	-25	-150	-175	38.6	0.7	8.4
0	-25	-175	-200	22.3	0.7	9.5
-25	-50	-75	-100	234	0.5	5
-25	-50	-100	-125	95	0.5	4.3
-25	-50	-125	-150	41.5	0.5	-0.8
-25	-50	-150	-175	48	0.5	11.5
-25	-50	-175	-200	23.4	0.5	13.6
-25	-50	-200	-225	2.04	0.5	3.5
-50	-75	-100	-125	379	0.5	-2.1
-50	-75	-125	-150	118	0.5	-2.1
-50	-75	-150	-175	111	0.5	10.3
-50	-75	-175	-200	53.6	0.5	13.1
-50	-75	-200	-225	4.41	0.5	4.4
-50	-75	-225	-250	1.73	0.5	2.5
-75	-100	-125	-150	201	0.4	-3.3
-75	-100	-150	-175	145	0.4	7.1
-75	-100	-175	-200	59.3	0.4	12.2
-75	-100	-200	-225	3.96	0.4	4.2
-75	-100	-225	-250	1.34	0.4	-0.4
-75	-100	-250	-275	1.17	0.4	-3.4
-100	-125	-150	-175	855	0.6	8.1
-100	-125	-175	-200	276	0.6	15.6
-100	-125	-200	-225	15.4	0.6	9.6
-100	-125	-225	-250	4.1	0.6	3.4
-100	-125	-250	-275	3	0.6	-3.6
-125	-150	-175	-200	598	0.5	13.2
-125	-150	-200	-225	17.1	0.5	10

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-125	-150	-225	-250	4.3	0.5	4.5
-125	-150	-250	-275	3.1	0.5	-2.6
-150	-175	-200	-225	187	0.3	3.2
-150	-175	-225	-250	38.5	0.3	4.5
-150	-175	-250	-275	40.5	0.3	7.7
-175	-200	-225	-250	172	0.6	2.6
-175	-200	-250	-275	77	0.6	3
-200	-225	-250	-275	121	0.8	2.2

LINE 3E

0	-25	-50	-75	129	0.8	-0.2
0	-25	-75	-100	48.2	0.8	-0.9
0	-25	-100	-125	26.4	0.8	-2.6
0	-25	-125	-150	30.9	0.8	-3.4
0	-25	-150	-175	24.4	0.8	-0.3
0	-25	-175	-200	15	0.8	0.3
-25	-50	-75	-100	142	0.7	1.8
-25	-50	-100	-125	47.1	0.7	0.5
-25	-50	-125	-150	58.8	0.7	-0.5
-25	-50	-150	-175	42.4	0.7	2.5
-25	-50	-175	-200	20.4	0.7	3.2
-25	-50	-200	-225	8.81	0.7	1.2
-50	-75	-100	-125	119	0.6	1.1
-50	-75	-125	-150	88.5	0.6	-0.4
-50	-75	-150	-175	85.3	0.6	2.5
-50	-75	-175	-200	29.1	0.6	3.2
-50	-75	-200	-225	10.3	0.6	1.9
-50	-75	-225	-250	5.2	0.6	0.7
-75	-100	-125	-150	195	0.7	0.3
-75	-100	-150	-175	93	0.7	3.1
-75	-100	-175	-200	38.5	0.7	3.8
-75	-100	-200	-225	12.3	0.7	3.3
-75	-100	-225	-250	6.13	0.7	1.8
-75	-100	-250	-275	2.31	0.7	-2.3
-100	-125	-150	-175	190	0.5	3.1
-100	-125	-175	-200	51.8	0.5	4.9
-100	-125	-200	-225	13.6	0.5	3.4
-100	-125	-225	-250	6.5	0.5	2.7
-100	-125	-250	-275	2.36	0.5	0.2
-125	-150	-175	-200	158	4	3.5
-125	-150	-200	-225	32.8	0.4	4
-125	-150	-225	-250	14	0.4	2.2
-125	-150	-250	-275	4.91	0.4	-0.3
-150	-175	-200	-225	92.6	0.5	2.7
-150	-175	-225	-250	32	0.5	2.3
-150	-175	-250	-275	9.99	0.5	0.1

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-175	-200	-225	-250	57.9	0.4	1.6
-175	-200	-250	-275	13.2	0.4	0.5
-200	-225	-250	-275	27	5	2.2

LINE 4E

0	-25	-50	-75	95	0.7	-0.5
0	-25	-75	-100	35	0.7	-2.4
0	-25	-100	-125	23.1	0.7	-5.9
0	-25	-125	-150	18.6	0.7	-3.6
0	-25	-150	-175	19.3	0.7	-7.4
0	-25	-175	-200	11	0.7	-3.2
-25	-50	-75	-100	162	0.9	1.5
-25	-50	-100	-125	60.9	0.9	-1.1
-25	-50	-125	-150	40.8	0.9	-2.5
-25	-50	-150	-175	37.7	0.9	-0.4
-25	-50	-175	-200	21.6	0.9	11.2
-25	-50	-200	-225	9.6	0.9	-0.2
-50	-75	-100	-125	108	0.6	0.3
-50	-75	-125	-150	48.6	0.6	-0.9
-50	-75	-150	-175	40.1	0.6	0.2
-50	-75	-175	-200	20.5	0.6	1.4
-50	-75	-200	-225	9.19	0.6	1.1
-50	-75	-225	-250	3.61	0.6	-1.5
-75	-100	-125	-150	69.3	0.5	-0.2
-75	-100	-150	-175	38.4	0.5	1.7
-75	-100	-175	-200	17.2	0.5	1.3
-75	-100	-200	-225	7.38	0.5	1.1
-75	-100	-225	-250	2.87	0.5	0
-75	-100	-250	-275	2.02	0.5	-5
-100	-125	-150	-175	78.8	0.4	1.3
-100	-125	-175	-200	27.5	0.4	2.2
-100	-125	-200	-225	10.6	0.4	1.9
-100	-125	-225	-250	3.92	0.4	0.1
-100	-125	-250	-275	2.57	0.4	-5.3
-125	-150	-175	-200	24.7	0.7	2.1
-125	-150	-200	-225	24.9	0.7	2.2
-125	-150	-225	-250	8.57	0.7	0.6
-125	-150	-250	-275	5.42	0.7	-3.3
-150	-175	-200	-225	51.8	0.6	1.6
-150	-175	-225	-250	13.6	0.6	0.3
-150	-175	-250	-275	7.69	0.6	-2.9
-175	-200	-225	-250	24.7	0.5	1.5
-175	-200	-250	-275	10.2	0.5	-1.2
-200	-225	-250	-275	24.3	0.5	0.6

LINE 5E

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-50	-75	32.2	0.5	-2.1
0	-25	-75	-100	27.2	0.5	-4.1
0	-25	-100	-125	16.1	0.5	-6.9
0	-25	-125	-150	20.4	0.5	-6.2
0	-25	-150	-175	9.73	0.5	-4.8
0	-25	-175	-200	4.34	0.5	-5.8
-25	-50	-75	-100	61.4	0.6	0.1
-25	-50	-100	-125	26.9	0.6	-2.7
-25	-50	-125	-150	30	0.6	-2.5
-25	-50	-150	-175	13.5	0.6	-0.8
-25	-50	-175	-200	5.63	0.6	-2
-25	-50	-200	-225	2.39	0.6	-1.9
-50	-75	-100	-125	52.1	0.4	-0.4
-50	-75	-125	-150	33.1	0.4	-0.9
-50	-75	-150	-175	13	0.4	-1.5
-50	-75	-175	-200	5.18	0.4	-2.9
-50	-75	-200	-225	2.12	0.4	-2.1
-50	-75	-225	-250	1.11	0.4	-1.1
-75	-100	-125	-150	215	0.6	1.5
-75	-100	-150	-175	45.3	0.6	1.7
-75	-100	-175	-200	14.8	0.6	1.3
-75	-100	-200	-225	5.41	0.6	0.9
-75	-100	-225	-250	2.62	0.6	0.7
-75	-100	-250	-275	2	0.6	1.5
-100	-125	-150	-175	114	0.6	2.5
-100	-125	-175	-200	34.7	0.6	2.3
-100	-125	-200	-225	7.8	0.6	1.5
-100	-125	-225	-250	3.32	0.6	1.8
-100	-125	-250	-275	2.27	0.6	1
-125	-150	-175	-200	108	0.6	3.2
-125	-150	-200	-225	21.1	0.6	2.7
-125	-150	-225	-250	7.41	0.6	2.3
-125	-150	-250	-275	4.31	0.6	3.7
-150	-175	-200	-225	32.8	0.5	2.3
-150	-175	-225	-250	8.19	0.5	2
-150	-175	-250	-275	3.87	0.5	1.9
-175	-200	-225	-250	20.9	0.5	2.8
-175	-200	-250	-275	5.83	0.5	3
-200	-225	-250	-275	22.8	0.6	1.9

LINE 6E

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-50	-75	145	0.5	1.8
0	-25	-75	-100	70	0.5	-0.3
0	-25	-100	-125	32	0.5	-4.3
0	-25	-125	-150	25.1	0.5	-4.2
0	-25	-150	-175	9.9	0.5	-4.2
0	-25	-175	-200	4.42	0.5	-4.7
-25	-50	-75	-100	4.72	0.7	1.7
-25	-50	-100	-125	109	0.7	-0.8
-25	-50	-125	-150	55	0.7	-1.7
-25	-50	-150	-175	19.2	0.7	0
-25	-50	-175	-200	6.77	0.7	-1
-25	-50	-200	-225	4.07	0.7	-1.4
-50	-75	-100	-125	196	0.6	0.4
-50	-75	-125	-150	56.1	0.6	0.1
-50	-75	-150	-175	16.4	0.6	2.1
-50	-75	-175	-200	6.01	0.6	0.8
-50	-75	-200	-225	2.87	0.6	1.9
-50	-75	-225	-250	1.35	0.6	0.3
-75	-100	-125	-150	157	0.55	1.4
-75	-100	-150	-175	35.5	0.55	3.7
-75	-100	-175	-200	11.4	0.55	4.2
-75	-100	-200	-225	5.15	0.55	3.5
-75	-100	-225	-250	2.27	0.55	3
-75	-100	-250	-275	1.8	0.55	-16.7
-100	-125	-150	-175	107	0.5	3
-100	-125	-175	-200	37.8	0.5	3.2
-100	-125	-200	-225	10.3	0.5	1.9
-100	-125	-225	-250	4.17	0.5	3.1
-100	-125	-250	-275	2.98	0.5	-14.9
-125	-150	-175	-200	85.6	0.6	1.9
-125	-150	-200	-225	23.8	0.6	1.2
-125	-150	-225	-250	8.47	0.6	2.5
-125	-150	-250	-275	5.65	0.6	-13.8
-150	-175	-200	-225	23.9	0.4	2
-150	-175	-225	-250	5.99	0.4	1.8
-150	-175	-250	-275	3.47	0.4	-12.3
-175	-200	-225	-250	7.27	0.3	1.6
-175	-200	-250	-275	2.89	0.3	-9.1
-200	-225	-250	-275	13.1	0.4	-3.9

LINE 7E

25	0	-25	-50	69.3	0.5	1.3
25	0	-50	-75	27.7	0.5	-0.1

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-75	-100	21.4	0.5	-1.2
25	0	-100	-125	13.8	0.5	-3.7
25	0	-125	-150	10.9	0.5	-1.3
25	0	-150	-175	3.56	0.5	-1.9
0	-25	-50	-75	178	0.6	1.4
0	-25	-75	-100	107	0.6	0.1
0	-25	-100	-125	61.5	0.6	-1.3
0	-25	-125	-150	45.2	0.6	0.8
0	-25	-150	-175	13.7	0.6	0.4
0	-25	-175	-200	5.69	0.6	-1.9
-25	-50	-75	-100	106	0.6	0.8
-25	-50	-100	-125	49.3	0.6	-1.2
-25	-50	-125	-150	32.6	0.6	1.3
-25	-50	-150	-175	10.4	0.6	1.8
-25	-50	-175	-200	3.63	0.6	-0.3
-25	-50	-200	-225	2.28	0.6	6.8
-50	-75	-100	-125	182	0.6	-0.4
-50	-75	-125	-150	87	0.6	1.7
-50	-75	-150	-175	20.4	0.6	2.4
-50	-75	-175	-200	7.23	0.6	0.9
-50	-75	-200	-225	4.53	0.6	7
-50	-75	-225	-250	1.64	0.6	0.2
-75	-100	-125	-150	134	0.35	2.3
-75	-100	-150	-175	24.7	0.35	3.5
-75	-100	-175	-200	7.6	0.35	1.5
-75	-100	-200	-225	4.22	0.35	7.8
-75	-100	-225	-250	152	0.35	2.3
-100	-125	-150	-175	39.7	0.2	3.8
-100	-125	-175	-200	9.12	0.2	2.4
-100	-125	-200	-225	4.52	0.2	8.3
-100	-125	-225	-250	1.52	0.2	2.1
-125	-150	-175	-200	28.9	0.3	-0.1
-125	-150	-200	-225	12.4	0.3	5.2
-125	-150	-225	-250	3.34	0.3	0.9
-150	-175	-200	-225	29.9	0.4	2.9
-150	-175	-225	-250	4.44	0.4	1
-175	-200	-225	-250	2.76	0.1	7.6

LINE 8E

25	0	-25	-50	83.1	0.6	1.6
25	0	-50	-75	59.5	0.6	1.3
25	0	-75	-100	42.6	0.6	0.5
25	0	-100	-125	34.7	0.6	-0.2
25	0	-125	-150	25.5	0.6	3
25	0	-150	-175	9.5	0.6	3.2
0	-25	-50	-75	86.5	0.6	0.3

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-75	-100	48.2	0.6	-1
0	-25	-100	-125	35.7	0.6	-1.4
0	-25	-125	-150	23.2	0.6	1.4
0	-25	-150	-175	9.21	0.6	1.6
0	-25	-175	-200	4.32	0.6	3.3
-25	-50	-75	-100	96.9	0.6	-0.3
-25	-50	-100	-125	55.9	0.6	-0.8
-25	-50	-125	-150	33.3	0.6	2.5
-25	-50	-150	-175	12.1	0.6	3.2
-25	-50	-175	-200	5.71	0.6	4.1
-25	-50	-200	-225	1.55	0.6	6.1
-50	-75	-100	-125	196	0.7	0.1
-50	-75	-125	-150	98	0.7	3.5
-50	-75	-150	-175	34.6	0.7	3.9
-50	-75	-175	-200	14.4	0.7	5.6
-50	-75	-200	-225	3.92	0.7	7.4
-50	-75	-225	-250	2.16	0.7	9.2
-75	-100	-125	-150	13.8	0.6	3.4
-75	-100	-150	-175	42.2	0.6	3.9
-75	-100	-175	-200	15.5	0.6	5.5
-75	-100	-200	-225	4.46	0.6	11.9
-75	-100	-225	-250	2.3	0.6	4.2
-100	-125	-150	-175	96.4	0.6	4.3
-100	-125	-175	-200	24.2	0.6	5.9
-100	-125	-200	-225	5.96	0.6	8.1
-100	-125	-225	-250	2.94	0.6	7.3
-125	-150	-175	-200	39.3	0.4	2.6
-125	-150	-200	-225	9.05	0.4	3.9
-125	-150	-225	-250	4.03	0.4	3.8
-150	-175	-200	-225	11.6	0.3	2.6
-150	-175	-225	-250	4.09	0.3	4.4
-175	-200	-225	-250	29.9	0.4	4.2

LINE 9E

25	0	-25	-50	168	1	2.8
25	0	-50	-75	173	1	2.9
25	0	-75	-100	168	1	5
25	0	-100	-125	29	1	2.2
25	0	-125	-150	28.5	1	3
25	0	-150	-175	18.1	1	3.3
0	-25	-50	-75	328	1	-0.9
0	-25	-75	-100	247	1	0.5
0	-25	-100	-125	38.5	1	-2.1
0	-25	-125	-150	34.2	1	-2
0	-25	-150	-175	21.6	1	-1.1
0	-25	-175	-200	4.84	1	3.9

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-25	-50	-75	-100	682	1.3	2
-25	-50	-100	-125	69.9	1.3	-0.1
-25	-50	-125	-150	44.5	1.3	0.1
-25	-50	-150	-175	25.5	1.3	0.9
-25	-50	-175	-200	5.03	1.3	6.1
-25	-50	-200	-225	2.77	1.3	6.4
-50	-75	-100	-125	290	0.8	1.1
-50	-75	-125	-150	115	0.8	2.1
-50	-75	-150	-175	11.5	0.8	4.7
-50	-75	-175	-200	11.5	0.8	4.7
-50	-75	-200	-225	5.85	0.8	5.1
-50	-75	-225	-250	3.72	0.8	0.6
-75	-100	-125	-150	145	0.4	0.6
-75	-100	-150	-175	62.3	0.4	4.1
-75	-100	-175	-200	9.9	0.4	9.2
-75	-100	-200	-225	4.82	0.4	9.3
-75	-100	-225	-250	2.79	0.4	3.5
-100	-125	-150	-175	94.6	0.5	3.4
-100	-125	-175	-200	10.3	0.5	7.6
-100	-125	-200	-225	3.68	0.5	9.8
-100	-125	-225	-250	1.76	0.5	2.6
-125	-150	-175	-200	36.1	0.5	6
-125	-150	-200	-225	9.25	0.5	8.2
-125	-150	-225	-250	3.93	0.5	1.6
-150	-175	-200	-225	47.9	0.4	3.7
-150	-175	-225	-250	14.7	0.4	-2.3
-175	-200	-225	-250	24.3	0.5	0

LINE 10E

25	0	-25	-50	110	0.3	-0.2
25	0	-50	-75	52.2	0.3	-1.4
25	0	-75	-100	19.7	0.3	-2.6
25	0	-100	-125	10.1	0.3	-1.9
25	0	-125	-150	7.69	0.3	-3.6
25	0	-150	-175	4.99	0.3	0.7
0	-25	-50	-75	168	0.4	0.1
0	-25	-75	-100	53.9	0.4	-0.6
0	-25	-100	-125	22.5	0.4	-1
0	-25	-125	-150	15.3	0.4	-2
0	-25	-150	-175	9.46	0.4	1.5
0	-25	-175	-200	2.86	0.4	3.6
-25	-50	-75	-100	153	0.4	0.4
-25	-50	-100	-125	53.4	0.4	0.4
-25	-50	-125	-150	34.6	0.4	-0.6
-25	-50	-150	-175	19.7	0.4	3.1
-25	-50	-175	-200	5.07	0.4	5.3

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-25	-50	-200	-225	2.17	0.4	2.7
-50	-75	-100	-125	82.5	0.1	0.5
-50	-75	-125	-150	31.1	0.1	-0.1
-50	-75	-150	-175	10.4	0.1	3.7
-50	-75	-175	-200	2.31	0.1	5.7
-50	-75	-200	-225	0.9	0.1	3.6
-50	-75	-225	-250	64	0.1	-4.3
-75	-100	-125	-150	87.6	0.7	-0.1
-75	-100	-150	-175	42.1	0.7	3.4
-75	-100	-175	-200	10.7	0.7	5.4
-75	-100	-200	-225	5.42	0.7	3.6
-75	-100	-225	-250	1.56	0.7	0.1
-100	-125	-150	-175	82.4	0.7	4
-100	-125	-175	-200	17.3	0.7	7.3
-100	-125	-200	-225	7.6	0.7	6.3
-100	-125	-225	-250	2.09	0.7	4.8
-125	-150	-175	-200	46.9	0.6	4.7
-125	-150	-200	-225	18.6	0.6	4.5
-125	-150	-225	-250	5.08	0.6	1.9
-150	-175	-200	-225	76.6	0.6	0.2
-150	-175	-225	-250	14.6	0.6	-2
-175	-200	-225	-250	30.6	0.6	-1

LINE 11E

25	0	-25	-50	129	0.6	-1.5
25	0	-50	-75	65.5	0.6	-2.2
25	0	-75	-100	38.9	0.6	-3
25	0	-100	-125	24.4	0.6	-3.7
25	0	-125	-150	10.41	0.6	-4.8
25	0	-150	-175	5.67	0.6	-1.4
0	-25	-50	-75	157	0.7	-0.5
0	-25	-75	-100	69	0.7	-0.7
0	-25	-100	-125	39.2	0.7	-2.3
0	-25	-125	-150	15.2	0.7	-3.3
0	-25	-150	-175	7.5	0.7	-0.7
0	-25	-175	-200	2.48	0.7	1.1
-25	-50	-75	-100	244	0.6	0.2
-25	-50	-100	-125	104	0.6	-0.1
-25	-50	-125	-150	38.2	0.6	-1.3
-25	-50	-150	-175	16.6	0.6	0.6
-25	-50	-175	-200	5.26	0.6	2.1
-25	-50	-200	-225	3.75	0.6	-8.8
-50	-75	-100	-125	129	0.4	0.5
-50	-75	-125	-150	37.4	0.4	-0.1
-50	-75	-150	-175	13.7	0.4	1.4
-50	-75	-175	-200	4.01	0.4	2.2

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-50	-75	-200	-225	2.56	0.4	-9.9
-75	-100	-125	-150	176	0.5	1.4
-75	-100	-150	-175	25.8	0.5	2.3
-75	-100	-175	-200	6.28	0.5	3.8
-75	-100	-200	-225	3.39	0.5	-8.6
-100	-125	-150	-175	68.2	0.4	2.2
-100	-125	-175	-200	12.9	0.4	4.6
-100	-125	-200	-225	6.7	0.4	-5.4
-125	-150	-175	-200	20.1	0.4	3
-125	-150	-200	-225	8.06	0.4	-3.8
-150	-175	-200	-225	44	0.4	-4

LINE 12E

25	0	-25	-50	154	0.8	2.4
25	0	-50	-75	59.8	0.8	3
25	0	-75	-100	46	0.8	3.2
25	0	-100	-125	28.5	0.8	-2.1
25	0	-125	-150	9.9	0.8	1.2
25	0	-150	-175	8.61	0.8	7.2
0	-25	-50	-75	111	0.7	-1
0	-25	-75	-100	59.4	0.7	2.8
0	-25	-100	-125	31.1	0.7	-2.7
0	-25	-125	-150	10.7	0.7	0.1
0	-25	-150	-175	9.17	0.7	4.8
0	-25	-175	-200	3.12	0.7	4.9
-25	-50	-75	-100	163	0.8	-0.4
-25	-50	-100	-125	44.2	0.8	-1.3
-25	-50	-125	-150	11.9	0.8	-0.4
-25	-50	-150	-175	9.2	0.8	3.7
-25	-50	-175	-200	3.06	0.8	3.8
-25	-50	-200	-225	1.99	0.8	-8
-50	-75	-100	-125	211	0.9	0.8
-50	-75	-125	-150	35.8	0.9	-1.1
-50	-75	-150	-175	20.3	0.9	1.7
-50	-75	-175	-200	5.83	0.9	3.6
-50	-75	-200	-225	3.38	0.9	-6.4
-75	-100	-125	-150	105	0.95	0.2
-75	-100	-150	-175	34.5	0.95	2.8
-75	-100	-175	-200	11.6	0.95	4.2
-75	-100	-200	-225	6.22	0.95	-3.1
-100	-125	-150	-175	87.1	0.9	3
-100	-125	-175	-200	16.2	0.9	5.5
-100	-125	-200	-225	7.79	0.9	-1.9
-125	-150	-175	-200	23.1	0.6	3.4
-125	-150	-200	-225	7.88	0.6	-2
-150	-175	-200	-225	3.9	0.55	-4.3

LINE 13E

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-25	-50	84.9	0.35	3
25	0	-50	-75	16.3	0.35	4.5
25	0	-75	-100	11.4	0.35	8.9
25	0	-100	-125	7.16	0.35	13.8
25	0	-125	-150	2.98	0.35	13.9
25	0	-150	-175	1.74	0.35	18.3
0	-25	-50	-75	107	0.6	-1
0	-25	-75	-100	61.9	0.6	2.8
0	-25	-100	-125	35.6	0.6	7.9
0	-25	-125	-150	13.5	0.6	8.3
0	-25	-150	-175	7.68	0.6	12
0	-25	-175	-200	7.08	0.6	14.3
-25	-50	-75	-100	80.3	0.8	-2.4
-25	-50	-100	-125	38	0.8	0.17
-25	-50	-125	-150	12.9	0.8	-0.2
-25	-50	-150	-175	7.05	0.8	2.1
-25	-50	-175	-200	6.37	0.8	6
-25	-50	-200	-225	2.91	0.8	-2.5
-50	-75	-100	-125	64.2	1	-0.7
-50	-75	-125	-150	15.9	1	-1.6
-50	-75	-150	-175	8.6	1	2.1
-50	-75	-175	-200	7.61	1	4.8
-50	-75	-200	-225	3.31	1	-3.5
-75	-100	-125	-150	33.9	0.6	-1.2
-75	-100	-150	-175	10.2	0.6	-1.1
-75	-100	-175	-200	8.23	0.6	2.5
-75	-100	-200	-225	3.37	0.6	-3.1
-100	-125	-150	-175	18.5	0.4	0.1
-100	-125	-175	-200	11.8	0.4	2.1
-100	-125	-200	-225	4.26	0.4	-1.2
-125	-150	-175	-200	107	0.7	2.7
-125	-150	-200	-225	11	0.7	0.8
-150	-175	-200	-225	44.5	0.5	-0.3

LINE 14E

25	0	-25	-50	213	0.5	-1.7
25	0	-50	-75	67.8	0.5	1.8
25	0	-75	-100	22.4	0.5	5.7
25	0	-100	-125	4.2	0.5	11.1
25	0	-125	-150	2.44	0.5	5.1
25	0	-150	-175	2.62	0.5	14.7
0	-25	-50	-75	292	0.6	0.6
0	-25	-75	-100	85	0.6	2.97
0	-25	-100	-125	15.1	0.6	6.7

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-125	-150	7.78	0.6	4.6
0	-25	-150	-175	8.03	0.6	10.6
0	-25	-175	-200	5.78	0.6	11.4
-25	-50	-75	-100	163	0.7	1.6
-25	-50	-100	-125	25.2	0.7	3.6
-25	-50	-125	-150	10.7	0.7	2.3
-25	-50	-150	-175	17.7	0.7	8.8
-25	-50	-175	-200	10.8	0.7	8.67
-25	-50	-200	-225	4.73	0.7	12.1
-50	-75	-100	-125	46.2	0.5	0.5
-50	-75	-125	-150	11.6	0.5	2.3
-50	-75	-150	-175	10	0.5	2.1
-50	-75	-175	-200	6.56	0.5	3.4
-50	-75	-200	-225	4.32	0.5	7.8
-50	-75	-225	-250	3.22	0.5	9.37
-75	-100	-125	-150	5.5	0.4	-1.53
-75	-100	-150	-175	9.2	0.4	1.8
-75	-100	-175	-200	5.57	0.4	3.77
-75	-100	-200	-225	3.23	0.4	5.6
-75	-100	-225	-250	2.04	0.4	5.3
-100	-125	-150	-175	27.6	0.4	2.47
-100	-125	-175	-200	7.9	0.4	5.17
-100	-125	-200	-225	3.57	0.4	7.73
-100	-125	-225	-250	1.87	0.4	10.27
-125	-150	-175	-200	87.2	0.6	2.97
-125	-150	-200	-225	20.6	0.6	6.3
-125	-150	-225	-250	7.88	0.6	7.87
-150	-175	-200	-225	102	0.7	3.83
-150	-175	-225	-250	24.3	0.7	3.97
-175	-200	-225	-250	73.2	0.8	4.17

LINE 15E

25	0	-25	-50	107.8	0.3	-0.3
25	0	-50	-75	48.4	0.3	-2.03
25	0	-75	-100	19.2	0.3	-2.67
25	0	-100	-125	4.41	0.3	-3
25	0	-125	-150	1.79	0.3	-0.67
25	0	-150	-175	2.18	0.3	0.77
0	-25	-50	-75	133	0.4	-0.3
0	-25	-75	-100	45.3	0.4	-0.6
0	-25	-100	-125	8.71	0.4	-1.5
0	-25	-125	-150	3.29	0.4	1.2
0	-25	-150	-175	3.73	0.4	2.43
0	-25	-175	-200	3.13	0.4	7.17
-25	-50	-75	-100	155	0.5	0.83
-25	-50	-100	-125	24.6	0.5	0.27

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-25	-50	-125	-150	7.79	0.5	2
-25	-50	-150	-175	8.07	0.5	2.83
-25	-50	-175	-200	6.5	0.5	8.67
-25	-50	-200	-225	5.69	0.5	8.8
-50	-75	-100	-125	59.4	0.4	2.27
-50	-75	-125	-150	12.4	0.4	3.53
-50	-75	-150	-175	11.1	0.4	2.87
-50	-75	-175	-200	8.06	0.4	5.23
-50	-75	-200	-225	6.52	0.4	6.43
-50	-75	-225	-250	6.19	0.4	7.2
-75	-100	-125	-150	19.7	0.5	1.5
-75	-100	-150	-175	12.8	0.5	2.33
-75	-100	-175	-200	8.01	0.5	5.6
-75	-100	-200	-225	6.17	0.5	4.97
-75	-100	-225	-250	5.6	0.5	7.87
-100	-125	-150	-175	33.9	0.3	1.17
-100	-125	-175	-200	11.1	0.3	2.83
-100	-125	-200	-225	7.06	0.3	3.93
-100	-125	-225	-250	5.63	0.3	4.9
-125	-150	-175	-200	52	0.5	1.1
-125	-150	-200	-225	18.6	0.5	1.07
-125	-150	-225	-250	14.3	0.5	2.33
-150	-175	-200	-225	82.3	0.8	1.17
-150	-175	-225	-250	53.7	0.8	2.73
-175	-200	-225	-250	111	1	4.47

LINE 16E

25	0	-25	-50	66.5	0.4	-0.4
25	0	-50	-75	31.4	0.4	-0.93
25	0	-75	-100	8.13	0.4	-0.63
25	0	-100	-125	2.15	0.4	-1.23
25	0	-125	-150	1.67	0.4	-2.67
25	0	-150	-175	2.67	0.4	-2.67
0	-25	-50	-75	145	0.7	0.1
0	-25	-75	-100	33.2	0.7	0
0	-25	-100	-125	8.09	0.7	-0.23
0	-25	-125	-150	6	0.7	-1.3
0	-25	-150	-175	9.42	0.7	-1.57
0	-25	-175	-200	8.07	0.7	-0.53
-25	-50	-75	-100	138	0.7	1.33
-25	-50	-100	-125	19.4	0.7	0.4
-25	-50	-125	-150	11.3	0.7	-0.3
-25	-50	-150	-175	17.2	0.7	-0.77
-25	-50	-175	-200	14.1	0.7	0.57
-25	-50	-200	-225	9.99	0.7	1.93
-50	-75	-100	-125	51.3	0.7	2.13

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-50	-75	-125	-150	22	0.7	1.83
-50	-75	-150	-175	30.8	0.7	1.47
-50	-75	-175	-200	55.2	0.7	1.87
-50	-75	-200	-225	14.7	0.7	4.63
-50	-75	-225	-250	11.9	0.7	3.77
-75	-100	-125	-150	55.4	0.8	2.3
-75	-100	-150	-175	56	0.8	1.2
-75	-100	-175	-200	36.9	0.8	2.4
-75	-100	-200	-225	19.7	0.8	3.47
-75	-100	-225	-250	11.8	0.8	2.33
-75	-100	-250	-275	4.56	0.8	1.4
-100	-125	-150	-175	134	1.2	0.17
-100	-125	-175	-200	68.6	1.2	0.7
-100	-125	-200	-225	31.8	1.2	1.87
-100	-125	-225	-250	16.5	1.2	1.63
-100	-125	-250	-275	5.75	1.2	0.66
-125	-150	-175	-200	143	0.8	1.53
-125	-150	-200	-225	59.6	0.8	3
-125	-150	-225	-250	25.8	0.8	1.6
-125	-150	-250	-275	8.07	0.8	0.13
-150	-175	-200	-225	158	0.6	3.3
-150	-175	-225	-250	57.2	0.6	1.9
-150	-175	-250	-275	15.3	0.6	0.1
-175	-200	-225	-250	163	0.7	4.17
-175	-200	-250	-275	26	0.7	1.67
-200	-225	-250	-275	84.9	0.9	3.43

LINE 17E

25	0	-25	-50	334	1	0.23
25	0	-50	-75	56.3	1	-0.7
25	0	-75	-100	27	1	-1.23
25	0	-100	-125	11.5	1	-1.27
25	0	-125	-150	8.64	1	-2.57
25	0	-150	-175	8.84	1	-2.73
0	-25	-50	-75	55.7	0.6	0.2
0	-25	-75	-100	21.9	0.6	0.35
0	-25	-100	-125	8.49	0.6	0.93
0	-25	-125	-150	5.34	0.6	-1.37
0	-25	-150	-175	5.1	0.6	-1
0	-25	-175	-200	4.43	0.6	1.37
-25	-50	-75	-100	52.8	0.5	1
-25	-50	-100	-125	16.2	0.5	1.13
-25	-50	-125	-150	9.41	0.5	0.53
-25	-50	-150	-175	8.79	0.5	0.9
-25	-50	-175	-200	7.43	0.5	2.43
-25	-50	-200	-225	6.7	0.5	2.33
-50	-75	-100	-125	24.9	0.6	0.83

-50	-75	-125	-150	9.91	0.6	0.4
-50	-75	-150	-175	8.69	0.6	0.83
-50	-75	-175	-200	6.91	0.6	2.27
-50	-75	-200	-225	5.94	0.6	2.6
-50	-75	-225	-250	9.56	0.6	2.57
-75	-100	-125	-150	36.7	0.8	0.5
-75	-100	-150	-175	21.1	0.8	0.6
-75	-100	-175	-200	14.4	0.8	2.27
-75	-100	-200	-225	11.4	0.8	2.3
-75	-100	-225	-250	17.4	0.8	1.57
-75	-100	-250	-275	3.37	0.8	-0.06
-100	-125	-150	-175	206	1.8	0.57
-100	-125	-175	-200	92	1.8	2.67
-100	-125	-200	-225	62.6	1.8	2.6
-100	-125	-225	-250	80.1	1.8	1.7
-100	-125	-250	-275	13.6	1.8	-0.23
-125	-150	-175	-200	249	1.8	2.87
-125	-150	-200	-225	107	1.8	2.9
-125	-150	-225	-250	110	1.8	3
-125	-150	-250	-275	17.6	1.8	-0.13
-150	-175	-200	-225	169	1.2	2.77
-150	-175	-225	-250	125	1.2	3.47
-150	-175	-250	-275	18.4	1.2	-0.17
-175	-200	-225	-250	101.6	2	5.6
-175	-200	-250	-275	8.63	2	2.8
-200	-225	-250	-275	13.6	2	3.67

LINE 18E

25	0	-25	-50	132	1.1	0.3
25	0	-50	-75	42.3	1.1	-0.3
25	0	-75	-100	14.2	1.1	-1.87
25	0	-100	-125	7.05	1.1	-3.93
25	0	-125	-150	7.44	1.1	-3.37
25	0	-150	-175	4.28	1.1	-3.8
0	-25	-50	-75	155	1.1	0.6
0	-25	-75	-100	43.4	1.1	1.27
0	-25	-100	-125	17	1.1	-1.53
0	-25	-125	-150	15.8	1.1	-0.9
0	-25	-150	-175	10	1.1	-2
0	-25	-175	-200	6.83	1.1	-0.9
-25	-50	-75	-100	142	1.8	1.53
-25	-50	-100	-125	46.6	1.8	0.8
-25	-50	-125	-150	38.2	1.4	0.83
-25	-50	-150	-175	20.9	1.4	-0.3
-25	-50	-175	-200	13.8	1.4	-0.46
-25	-50	-200	-225	13.7	1.4	0.7
-50	-75	-100	-125	76.3	0.8	0.8
-50	-75	-125	-150	46.5	0.8	0.93

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-50	-75	-150	-175	16.4	0.8	0.13
-50	-75	-175	-200	10.3	0.8	-0.03
-50	-75	-200	-225	10.1	0.8	3.97
-50	-75	-225	-250	17.6	0.8	1.7
-75	-100	-125	-150	180	0.8	1.53
-75	-100	-150	-175	29.4	0.8	0.77
-75	-100	-175	-200	15.3	0.8	0.2
-75	-100	-200	-225	13.8	0.8	2
-75	-100	-225	-250	22.9	0.8	3.3
-75	-100	-250	-275	9.6	0.8	4.83
-100	-125	-150	-175	26.9	0.8	1.83
-100	-125	-175	-200	24.9	0.8	-0.03
-100	-125	-200	-225	19.6	0.8	1.63
-100	-125	-225	-250	30.7	0.8	1.37
-100	-125	-250	-275	12.5	0.5	2.53
-100	-125	-275	-300	4.74	0.8	3.87
-125	-150	-175	-200	79.2	0.8	3.9
-125	-150	-200	-225	50.7	0.8	4.3
-125	-150	-225	-250	74.2	0.8	4.33
-125	-150	-275	-300	10.95	0.8	5.87
-150	-175	-200	-225	135	1.5	4.1
-150	-175	-225	-250	134	1.5	4.37
-150	-175	-250	-275	51.4	1.5	5.43
-150	-175	-275	-300	18.3	1.5	6.43
-175	-200	-225	-250	436	2.4	2.8
-175	-200	-250	-275	108	2.4	2.8
-175	-200	-275	-300	33.6	2.4	3.7
-200	-225	-250	-275	110	0.8	3.4
-200	-225	-275	-300	10.6	0.8	4.03
-225	-250	-275	-300	103	1	2.23

LINE 19E

25	0	-25	-50	203	1.8	-0.2
25	0	-50	-75	62.6	1.8	-0.6
25	0	-75	-100	19.4	1.8	-2.47
25	0	-100	-125	12	1.8	-11.47
25	0	-125	-150	10.2	1.8	4.4
25	0	-150	-175	9.18	1.8	-6.5
0	-25	-50	-75	99.8	1	0.43
0	-25	-75	-100	22.5	1	-0.27
0	-25	-100	-125	11.4	1	-7.4
0	-25	-125	-150	8.97	1	5.33
0	-25	-150	-175	6.83	1	-5.07
0	-25	-175	-200	7.13	1	-4.73
-25	-50	-75	-100	85.1	0.8	0.83
-25	-50	-100	-125	32.8	0.8	-4.9
-25	-50	-125	-150	21.9	0.8	7.63

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
-25	-50	-150	-175	13.7	0.8	-1.1
-25	-50	-175	-200	13.1	0.8	-1.87
-25	-50	-200	-225	9.47	0.8	0.56
-50	-75	-100	-125	174	1	-2.73
-50	-75	-125	-150	77.6	1	7.47
-50	-75	-150	-175	36.7	1	-0.07
-50	-75	-175	-200	29.9	1	-1.5
-50	-75	-200	-225	18.2	1	2.23
-50	-75	-225	-250	11.9	1	20.23
-75	-100	-125	-150	195	1	6.8
-75	-100	-150	-175	65.6	1	0.83
-75	-100	-175	-200	45.6	1	1.87
-75	-100	-200	-225	22.8	1	3.97
-75	-100	-225	-250	13.1	1	16.07
-75	-100	-250	-275	9.96	1	5.2
-100	-125	-150	-175	171	1	5.63
-100	-125	-175	-200	90.8	1	7.43
-100	-125	-200	-225	34	1	16.6
-100	-125	-225	-250	15.7	1	30.37
-100	-125	-250	-275	16.8	1	0.23
-100	-125	-275	-300	8.76	1	-4.77
-125	-150	-175	-200	386	0.8	0.67
-125	-150	-200	-225	134	0.8	0.23
-125	-150	-225	-250	57.3	0.8	10.37
-125	-150	-250	-275	25.6	0.8	12.4
-125	-150	-275	-300	9.02	0.8	23.3
-150	-175	-200	-225	373	1.2	3.76
-150	-175	-225	-250	125.4	1.2	13.43
-150	-175	-250	-275	58.6	1.2	10.5
-150	-175	-275	-300	21.7	1.2	12.87
-175	-200	-225	-250	363	1.6	14.47
-175	-200	-250	-275	132	1.6	12.27
-175	-200	-275	-300	47.2	1.6	15.8
-200	-225	-250	-275	140	0.7	2.1
-200	-225	-275	-300	43.7	0.7	3.77
-225	-250	-275	-300	50.2	0.6	-0.36

LINE 21E

25	0	-25	-50	120	1	0.9
25	0	-50	-75	29.9	1	0.7
25	0	-75	-100	11.3	1	-0.03
25	0	-100	-125	6.28	1	2.87
25	0	-125	-150	6.84	1	-2
25	0	-150	-175	7.31	1	-3.87
0	-25	-50	-75	52.2	1.2	3.33
0	-25	-75	-100	14.1	1.2	-0.3
0	-25	-100	-125	3.64	1.2	0.07

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
0	-25	-125	-150	6.37	1.2	0.13
0	-25	-150	-175	5.96	1.2	-1.03
0	-25	-175	-200	8.81	1.2	-0.73
-25	-50	-75	-100	90	1.8	1.9
-25	-50	-100	-125	26.5	1.8	1.47
-25	-50	-125	-150	15.1	1.8	0.63
-25	-50	-150	-175	12.5	1.8	-0.4
-25	-50	-175	-200	14.5	1.8	2.9
-25	-50	-200	-225	21.1	1.8	2.7
-50	-75	-100	-125	113	1.4	2.13
-50	-75	-125	-150	36.2	1.4	1.87
-50	-75	-150	-175	26.3	1.4	1.03
-50	-75	-175	-200	22.4	1.4	1.77
-50	-75	-200	-225	25.7	1.4	3.03
-50	-75	-225	-250	15	1.4	3.4
-75	-100	-125	-150	87.3	1.1	1.5
-75	-100	-150	-175	41.5	1.1	2.43
-75	-100	-175	-200	24.9	1.1	1.33
-75	-100	-200	-225	20.6	1.1	2.6
-75	-100	-225	-250	11.6	1.1	1.23
-75	-100	-250	-275	5.86	1.1	-0.33
-100	-125	-150	-175	154	0.9	2.17
-100	-125	-175	-200	53.1	0.9	2.3
-100	-125	-200	-225	36.1	0.9	3.86
-100	-125	-225	-250	18.8	0.9	2.5
-100	-125	-250	-275	8.78	0.9	3.07
-100	-125	-275	-300	3.71	0.9	3.43
-125	-150	-175	-200	236	1	3.13
-125	-150	-200	-225	101	0.9	4.27
-125	-150	-225	-250	49.6	0.9	3.93
-125	-150	-250	-275	10.3	0.9	3.87
-125	-150	-275	-300	8.34	0.9	4.5
-150	-175	-200	-225	198	0.5	2.57
-150	-175	-225	-250	80.1	0.5	3.23
-150	-175	-250	-275	30.5	0.5	4.53
-150	-175	-275	-300	10.7	0.5	4.3
-175	-200	-250	-275	24.5	0.3	3.43
-175	-200	-275	-300	78.2	0.3	4.37
-175	-200	-300	-325	25.8	0.3	5.17
-200	-225	-250	-275	131	0.2	3.77
-200	-225	-275	-300	37.9	0.2	4.67
-225	-250	-275	-300	55.4	0.3	0.2

LINE 22E

25	0	-25	-50	86.5	1	1.9
25	0	-50	-75	25.9	1	2.13
25	0	-75	-100	9.5	1	0.8

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-100	-125	6.97	1	0.7
25	0	-125	-150	5	1	0.77
25	0	-150	-175	5.61	1	-1.43
0	-25	-50	-75	32.8	1	2.07
0	-25	-75	-100	8.82	1	0.83
0	-25	-100	-125	5.84	1	0.5
0	-25	-125	-150	3.69	1.1	0.83
0	-25	-150	-175	3.88	1.1	-0.37
0	-25	-175	-200	10.36	1	0.1
-25	-50	-75	-100	28.7	1.4	0.8
-25	-50	-100	-125	11.5	1.4	-0.07
-25	-50	-125	-150	5.84	1.4	-0.57
-25	-50	-150	-175	4.57	1	-2.27
-25	-50	-175	-200	10.82	1	1.33
-25	-50	-200	-225	11.7	1	3.8
-50	-75	-100	-125	36.1	1.3	1.27
-50	-75	-125	-150	11.9	1.3	0.47
-50	-75	-150	-175	7.72	1.3	0.77
-50	-75	-175	-200	15.1	1.3	2.93
-50	-75	-200	-225	15.1	1.3	3.8
-50	-75	-225	-250	8.19	1.3	3.538
-75	-100	-125	-150	44.2	1.2	1
-75	-100	-150	-175	13.4	1.2	0.03
-75	-100	-175	-200	18.8	1.2	0.57
-75	-100	-200	-225	18.6	1.2	0.73
-75	-100	-225	-250	18.7	1.2	2.83
-75	-100	-250	-275	5.85	1.2	0.3
-100	-125	-150	-175	69	1.3	0.8
-100	-125	-175	-200	52.4	1.3	0.67
-100	-125	-200	-225	46.3	1.3	3.26
-100	-125	-225	-250	20.4	1.3	1.03
-100	-125	-250	-275	13.4	1.3	0.96
-125	-150	-175	-200	109	1	1.3
-125	-150	-200	-225	69.5	1	3.33
-125	-150	-225	-250	26.4	1	3.6
-125	-150	-250	-275	16.1	1	1.43
-150	-175	-200	-225	193	0.5	1.87
-150	-175	-225	-250	51.1	0.5	2.37
-150	-175	-250	-275	27.1	0.5	2.73
-175	-200	-225	-250	239	0.4	4.13
-175	-200	-250	-275	103.8	0.4	4.9
-200	-225	-250	-275	263	0.5	3.67

LINE 23E

25	0	-25	-50	62.2	0.5	2.56
25	0	-50	-75	8.18	0.5	0.73
25	0	-75	-100	2.72	0.5	1.13

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-100	-125	1.5	0.5	-1.4
25	0	-125	-150	1.22	0.5	2.07
25	0	-150	-175	1.03	0.5	3.5
0	-25	-50	-75	37.2	0.8	1.03
0	-25	-75	-100	7.27	0.8	0.8
0	-25	-100	-125	3.74	0.8	0.57
0	-25	-125	-150	2.9	0.8	-4.53
0	-25	-150	-175	1.79	0.8	4.3
0	-25	-175	-200	10.16	0.8	3.7
-25	-50	-75	-100	45	1.1	2.37
-25	-50	-100	-125	14.9	1.1	1.33
-25	-50	-125	-150	9.98	1.1	-4.43
-25	-50	-150	-175	4.15	1.1	12.03
-25	-50	-175	-200	19.3	1.1	4.23
-25	-50	-200	-225	9.7	1.1	3.9
-50	-75	-100	-125	13.5	1.2	1.13
-50	-75	-125	-150	9.7	1.2	-2.37
-50	-75	-150	-175	3.63	1.2	5.37
-50	-75	-175	-200	4.7	1.2	5.27
-50	-75	-200	-225	4.1	1.2	3.63
-50	-75	-225	-250	4.77	1.2	2.77
-75	-100	-125	-150	57.2	1.6	0.3
-75	-100	-150	-175	13.2	1.6	4.83
-75	-100	-175	-200	35.8	1.6	3.53
-75	-100	-200	-225	15.7	1.6	3
-75	-100	-225	-250	10.4	1.6	-0.3
-75	-100	-250	-275	6.85	1.6	-1.13
-100	-125	-150	-175	32.2	1	2.86
-100	-125	-175	-200	41.5	1	3.07
-100	-125	-200	-225	17.8	1	3.1
-100	-125	-225	-250	11.4	1	1.13
-100	-125	-250	-275	7.14	1	-0.3
-125	-150	-175	-200	149	1	4.93
-125	-150	-200	-225	50.9	1	5.43
-125	-150	-225	-250	29	1	3.23
-125	-150	-250	-275	17.2	1	3.13
-150	-175	-200	-225	94.2	0.8	2.6
-150	-175	-225	-250	40	0.8	1.1
-150	-175	-250	-275	21.6	0.8	-0.07
-175	-200	-225	-250	315	0.4	4.73
-175	-200	-250	-275	148	0.4	4.03
-200	-225	-250	-275	129	0.4	2.23

LINE 24E

25	0	-25	-50	95.9	0.4	3.13
25	0	-50	-75	13.6	0.4	4.33
25	0	-75	-100	2.57	0.4	2.2

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-100	-125	1.77	0.4	-0.53
25	0	-125	-150	1.47	0.4	3.5
25	0	-150	-175	1.84	0.4	7.23
0	-25	-50	-75	37	0.4	3.97
0	-25	-75	-100	4.81	0.4	2.6
0	-25	-100	-125	2.96	0.4	1.63
0	-25	-125	-150	1.95	0.4	-2.87
0	-25	-150	-175	1.85	0.4	3.96
0	-25	-175	-200	5.45	0.4	4.6
-25	-50	-75	-100	37.8	1.2	1.63
-25	-50	-100	-125	15.3	1.2	1.5
-25	-50	-125	-150	8.11	1.2	0.76
-25	-50	-150	-175	5.85	1.2	1.83
-25	-50	-175	-200	14.1	1.2	5.23
-25	-50	-200	-225	13.6	1.2	6.06
-50	-75	-100	-125	65	1.2	1.5
-50	-75	-125	-150	16.4	1.2	0.4
-50	-75	-150	-175	9.27	1.2	3.43
-50	-75	-175	-200	16	1.2	5.13
-50	-75	-200	-225	14.7	1.2	5.7
-50	-75	-225	-250	4.38	1.2	4.9
-75	-100	-125	-150	47.6	1.4	0.97
-75	-100	-150	-175	9.9	1.4	2.83
-75	-100	-175	-200	21.9	1.4	3.73
-75	-100	-200	-225	18.3	1.4	1.27
-75	-100	-225	-250	5.24	1.4	3.53
-75	-100	-250	-275	2.64	1.4	6.26
-100	-125	-150	-175	65.9	1.4	2.6
-100	-125	-175	-200	46	1.4	2.2
-100	-125	-200	-225	34.4	1.4	3.03
-100	-125	-225	-250	8.87	1.4	-1.37
-100	-125	-250	-275	4.21	1.4	-1.33
-125	-150	-175	-200	186	1.4	1.8
-125	-150	-200	-225	92.1	1.4	2.27
-125	-150	-225	-250	19.2	1.4	-1.13
-125	-150	-250	-275	8.08	1.4	-1.1
-150	-175	-200	-225	595	1.5	6.43
-150	-175	-225	-250	95.6	1.5	2.23
-150	-175	-250	-275	32.4	1.5	2.9
-175	-200	-225	-250	442	0.5	4.77
-175	-200	-250	-275	127	0.5	5.07
-200	-225	-250	-275	126	0.5	2.01

LINE 25E

25	0	-25	-50	146	0.5	1.67
25	0	-50	-75	11.3	0.5	2.3
25	0	-75	-100	6.65	0.5	1.4

F1Y	F2Y	M1Y	M2Y	V_p (mV)	I (A)	IP (mV/V)
25	0	-100	-125	4.65	0.5	0.47
25	0	-125	-150	3.01	0.5	-1.53
25	0	-150	-175	3.06	0.5	-1
0	-25	-75	-100	16.5	0.8	1.77
0	-25	-100	-125	9.37	0.8	1.2
0	-25	-125	-150	5.13	0.8	1.87
0	-25	-150	-175	4.74	0.8	1.97
0	-25	-175	-200	24.9	0.8	4.93
-25	-50	-75	-100	39.7	0.8	2.63
-25	-50	-100	-125	14.7	0.8	2.43
-25	-50	-125	-150	6.55	0.8	2.27
-25	-50	-150	-175	4.74	0.8	3.07
-25	-50	-175	-200	22.5	0.8	6.9
-25	-50	-200	-225	9.3	1	4.63
-50	-75	-100	-125	45.8	1	0.2
-50	-75	-125	-150	13.2	1	0.53
-50	-75	-150	-175	7.12	1	2.76
-50	-75	-175	-200	30.5	1	3.97
-50	-75	-200	-225	10.91	1	2.87
-50	-75	-225	-250	3.73	1	2.53
-75	-100	-125	-150	40.4	1.2	0.5
-75	-100	-150	-175	13.8	1.2	0.87
-75	-100	-175	-200	51.3	1.2	4.13
-75	-100	-200	-225	17.3	1.2	2.77
-75	-100	-225	-250	12.81	1.2	0.63
-75	-100	-250	-275	1.98	1.2	2.83
-100	-125	-150	-175	42.2	1.2	1.4
-100	-125	-175	-200	103.8	1.2	3.37
-100	-125	-200	-225	34.4	1.2	2.47
-100	-125	-225	-250	11	1.2	3.07
-100	-125	-250	-275	3.69	1.2	1.93
-125	-150	-175	-200	167	1.2	3.73
-125	-150	-200	-225	49.8	1.2	2.83
-125	-150	-225	-250	15.3	1.2	2.03
-125	-150	-250	-275	4.87	1.2	0.2
-150	-175	-200	-225	100.6	1	2.47
-150	-175	-225	-250	26.9	1	2.4
-150	-175	-250	-275	8.03	1	0.67
-175	-200	-225	-250	219	0.9	4.03
-175	-200	-250	-275	55.6	0.9	2.97
-200	-225	-250	-275	56.1	0.9	0.87